

Mode Electronics Ltd. head office and warehouse is located in Burnaby, B.C., Canada. Our products are sold exclusively through Electronic Distributors across Canada and the USA. Please check our web site at www.mode-elec.com for the Distributor in your area. These Distributors stock many of the products in this catalog and will provide professional and friendly service.

This catalog contains information on the products that are stocked in quantity in our warehouse. The catalog is arranged in order by product type. Please use the "Quick Index" below for the major product categories. Full index is at the end of the catalog.



MODE ELECTRONICS LTD.

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MODE PART NUMBERING SYSTEM

Most items in this catalog are available in bulk as well as display packaged and the appropriate numbers are prominently shown throughout the catalog. Our display packages are designed for hanging on pegboard type store displays. The packaged product is slightly more costly than bulk product due to the extra packaging costs. Bulk product numbers always end in a -0. Packaged items usually indicate the the quantity per package, after the last dash.

**For example: 21-059-0 is bulk product
21-059-10 is a display package containing 10 pieces**

The packaged product is intended for small quantity sales and walk-in traffic. Please specify bulk product numbers for larger quantity orders.

Mode part numbers are organized by type of product. The part number prefixes specify the product type. For example: Part numbers starting with 13 (13-XXX-X) are Category 5 Modular Telephone products, part numbers that start with 24 are Audio plugs and jacks, etc.

This catalog is organized in ascending numerical order from 12 series up. This arrangement keeps all similar parts together in the catalog and makes it easier to find parts in the catalog.

Important information about RoHS compliance.

RoHS EU directive 2002/95/EC concerns the restriction of the use of certain hazardous substances in electrical and electronic equipment.

The RoHS (restriction of hazardous substances) of the 27th January 2003 bans the use of certain substances in new electrical and electronic equipment put on the market from 1st July 2006 (there are exceptions for certain applications). The banned substances are lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).

Mode Electronics Ltd. will make every effort to obtain compliance information on every component we carry. Many of our products have never contained any of these restricted substances so are therefore compliant by default.

As we determine the compliance or non-compliance of our products we will post this information on the Mode web site (www.mode-elec.com).

In cases where an item is not compliant at the present time we will attempt to source product that is compliant. In many cases we will continue to offer the non-compliant product, as cost may be an important factor. Where we offer both compliant and non-compliant products we will differentiate these items with a unique part number for the compliant part (we will add the letters EU to the part number).

Although we agree in principal with the intent of the EU directive we also feel that some clarification of the directive will be necessary to make it feasible. For this reason there are a number of proposed exemptions being considered at this time.

It must be understood that, in some areas, there will be a greater cost incurred to ensure that none of these restricted materials are present in a product. A typical example of this problem is where a manufacturer uses recycled plastics (considered environmentally responsible) to manufacture their products. It would be very difficult as well as prohibitively expensive to test each batch of recycled material for the presence of minute quantities of the restricted substances. In cases such as this the only reasonable solution would be to use virgin plastic at much higher costs.

We will continue our efforts to obtain and make available through the web site information regarding the compliance of Mode products.



MODULAR TELEPHONE CORDS

Modular Cables with 6P/4C plugs on both ends (Ivory)

12-183-0 6P/4C 7' Length
12-185-0 6P/4C 15' Length
Use -1 for Display Package



MODULAR JOINER

Jack to jack joiner for connecting two cables.

12-202-0 6P/4C
12-203-0 6P/6C
Use -1 for Display Package



DATA JOINERS

12-203D-0 6P/6C
12-204D-0 8P/8C
Use -1 for Display Package

Data joiners are connected from pin 1:1, 2:2, etc. Standard telephone joiners are cross connected - for example a 6P/6C is connected 1:6, 2:5, 3:4, 4:3, 5:2, 6:1.



MODULAR 'T' ADAPTER

Modular 'T' adapter joins two cables to one jack.

12-210-0 6P/4C
12-213-0 6P/6C
12-214-0 8P/8C
Use -1 for Display Package

SURFACE MOUNT WALL JACK (SINGLE)

Surface mount wall jack with adhesive back for easy mounting. Screw terminals for connections. Available in Ivory or White.



12-221-0 Ivory 6P/4C
12-221W-0 White 6P/4C
12-223-0 Ivory 6P/6C
12-225-0 Ivory 8P/8C
12-225W-0 White 8P/8C
Use -1 for Display Package

SINGLE OUTLET FLUSH MOUNT WALL PLATE



Telephone wall plates. Fits standard electrical box. Screw terminals.

12-231W-0 White 6P/4C
Use -1 for Display Package

MODULAR TELEPHONE DESIGNATIONS

The designation 6P/4C, 6P/6C, etc. refers to the number of contacts / number of wires used. The other common designations are:

4P/4C		for telephone handsets
6P/4C	RJ-11	Standard 4-conductor
6P/6C	RJ-12	Standard 6-conductor
8P/8C	RJ-45	Standard 8-conductor

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DOUBLE OUTLET FLUSH MOUNT WALL PLATE


Double wall plates. Fits standard electrical box.

12-236-0 Ivory 8P/8C
Use -1 for Display Package

MODULAR TELEPHONE PLUGS

Modular telephone plugs with 15μ" gold plated contacts.



12-253-0 4P/4C
12-254-0 6P/4C
12-256-0 6P/6C
12-258-0 8P/8C
Use -10 for Display Package
Use -50 for 50 Packs

MODULAR TELEPHONE PLUGS (for round cable)

Modular telephone plugs for round jacket cable with 15μ" gold plated contacts. **R** types are for stranded wire, **S** type is for solid wire and **U** type is for both stranded and solid wire.



12-254S-0 6P/4C
12-254U-0 6P/4C
12-256R-0 6P/6C
12-256S-0 6P/6C
12-256U-0 6P/6C
12-258R-0 8P/8C
12-258S-0 8P/8C
12-258U-0 8P/8C
Use -10 for Display Package
Use -50 for 50 Packs

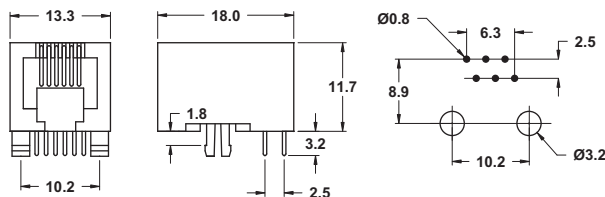
12-254R-0 6P/4C

PC MOUNT MODULAR JACKS

Printed circuit mount modular jacks. 6μ" gold plating.

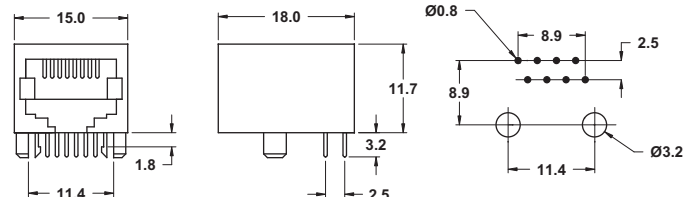


12-264-0 & 12-266-0



12-264-0 6P/4C
12-266-0 6P/6C
12-288-0 8P/8C

12-288-0


DELUXE MODULAR CRIMP TOOL


Deluxe crimp tool cuts, strips and crimps modular plugs.

12-306-1 6P/4C & 6P/6C **12-308-1** 8P/8C

DELUXE MODULAR CRIMP TOOL


- 8P/8C (RJ45) precision crimper.
- Cuts and strips both flat and round modular cable.
- Extremely comfortable cushioned handles.
- Ratchet action with easy release.

12-309-1

MODULAR CRIMP TOOL


This versatile tool will crimp 4, 6 and 8 pin modular plugs. It also has a wire cutter and stripper built-in. Simple to use, extremely durable.

12-310A-1

MODULAR TELEPHONE CABLE


28AWG stranded modular telephone cable.
Jacket color: silver

12-402-0 4-conductor 100'
12-403-0 SILVER 4-conductor 1000'
12-603-0 SILVER 6-conductor 1000'
12-805-0 SILVER 8-conductor 1000'

100' not on spools

The items shown in this catalog are normal stock items at Mode, but we can also source many additional products from reliable sources. If you have a requirement for a product not shown in this catalog, please contact us or your local distributor for price and delivery.

CATEGORY 5 PLUGS (8P/8C)

For round jacket/solid conductor cable.



13-101-0 * 30µ" Gold
13-102-0 * 50µ" Gold
Use -5 for Display Package
** Use -50 for 50 Packs*

DOUBLE SURFACE MOUNT BOX



Double outlet surface mount box for 13-111-0 or 13-112-0 series jacks.



13-122-0 White
Use -1 for Display Package

CATEGORY 5e KEYSTONE JACK



This jack requires no tooling. A color coded lift-up lid is used to place and insert the wires.



13-111E-0 5e white color
Use -1 for Display Package

FLUSH MOUNT WALL PLATES



White flush mount wall plates for 13-111-0 or 13-112-0 series jacks.

13-131-0 for 1 jack - White
13-132-0 for 2 jacks - White
13-134-0 for 4 jacks - White
Use -1 for Display Package



TV/PHONE PLATE

13-135WH-0 White
Use -1 for Display Package

INSERTS FOR SURFACE MOUNT PLATES



Blank Insert-White

13-140-0 Bulk
13-140-2 Pkg (2)



ST Insert-White

13-141-0 Bulk
13-141-2 Pkg (2)

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PATCH CORDS

Category 5e patch cord.

13-162BL-0

7' Long Blue

COLOR CODED CABLE BOOTS

13-190BK-0 Black
13-190BL-0 Blue
13-190GR-0 Green
13-190GY-0 Grey
13-190RD-0 Red
13-190YL-0 Yellow

Use -4 for Display Package

CATEGORY 5 TOOLING

13-180-0 Bulk **13-180-1** Pkg.
Adjustable impact punch tool - using one of the inserts (below) this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jacks.

13-186-1 Pkg.
Adjustable impact punch tool c/w 13-183-0 insert.
Attractive display Package.



13-181-0 Bulk **13-181-1** Pkg.
Non-impact punch tool - using one of the inserts (below) this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jacks.

13-187-1 Pkg.
Non-impact punch tool c/w 13-183-0 insert. Attractive display package.

INSERTS FOR 13-180-0 AND 13-181-0 PUNCH TOOL

13-182-0
For 66 type terminals- reversible punch or punch & cut



13-183-0
For 110 type terminals-reversible punch or punch & cut

Use -1 for Display Package

CABLE STRIP TOOL

13-185-0
Universal stripping tool for round or flat Cat 5 cable.
Use -1 for Display Package

ECONOMY PUNCH-DOWN TOOL AND CABLE STRIPPER

13-189-0
For stripping wire diameter 5-6.2mm. Top end for 110/88 type insertion use.
Use -1 for Display Package

Since modern twisted pair cabling must be expected to carry high signal rates, it is necessary to avoid stressing the wire. Tight 90-degree bends are not permissible, and any tie-wraps or other securing straps must not be cinched excessively tight. Care should be taken to avoid routing cables within 18 inches of electrical noise generating devices such as transformers and lighting ballasts. Please see our selection of hook and loop cable ties which are suitable for securing bundles of Cat 5 or Cat 5E cables.

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The Category 5 products shown on pages 5 and 6 are stocked items. We have access to many additional items such as patch panels, different styles of outlet boxes, etc. If you have a requirement for an item or items not shown on these pages, please contact us or your local Mode Distributor for price and delivery information.

MATCHING TRANSFORMER

Broadband (5-900Mhz) antenna matching transformer.
75-300Ω.



16-109-0 Bulk
16-109-1 Package

COAXIAL SPLITTERS

5-900 Mhz bandwidth 75Ω splitters. DC power passing, epoxy sealed back cover, anti-corrosion plating, zinc alloy diecast case with ground screw.



16-112-0 2-way Bulk
16-113-0 3-way Bulk
16-114-0 4-way Bulk
Use -1 for Display Package

CATV WALL PLATE



Wall plates with double female F connector. Fits standard electrical outlet box, complete with screws.

16-170W-0 Bulk White
16-170W-1 Pkg White

BLANK CATV WALL PLATE



Blank white wall plate. Fits standard electrical outlet box, complete with screws.

16-171W-0 Bulk
16-171W-1 Package

DUPLEX CATV WALL PLATE



Duplex white wall plate. Fits standard electrical outlet box, complete with screws.

16-172W-0 Bulk
16-172W-1 Package

RG6 COAX CABLES



16-203WH-0	3' Length	White
16-203BK-0	3' Length	Black
16-206WH-0	6' Length	White
16-206BK-0	6' Length	Black
16-212WH-0	12' Length	White
16-212BK-0	12' Length	Black
16-225WH-0	25' Length	White
16-225BK-0	25' Length	Black
16-250WH-0	50' Length	White

Use -1 for Display Package

RG6 GOLD PLATED COAX CABLES



16-204BK-0 3' Length Black
16-207BK-0 6' Length Black
Use -1 for Display Package

TV SELECTOR SWITCH



Two way switch for 75Ω coaxial cable.

16-902-0 Bulk
16-902-1 Package

BNC COAXIAL CABLES



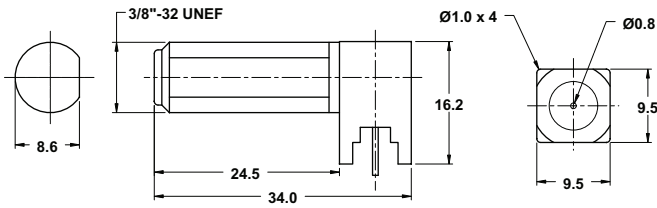
BNC-BNC RG58/u coaxial cables.

18-644-0 3' Length
18-744-0 6' Length
18-844-0 10' Length
Use -1 for Display Package

Visit our Web Site at
<http://www.mode-elec.com>

PC MOUNT 'F' JACK


Right Angle PC mount 'F' Jack.
21-066-0 Bulk
21-066-2 Pkg (2)
21-066N-0 Nut only


'F' CONNECTORS


Standard crimp
21-006-0 For RG6/u c/w ring
21-006-2 Package (2)



Integral crimp ring
21-007-0 For RG6/u
21-007-2 Package (2)



Weatherproof
21-008-0 For RG6/u
21-008-2 Package (2)
 'O' ring and silicone seal for weather resistance.



Premium waterproof
21-009-0 For RG6/u
21-009-2 Package (2)
 High quality positive clamp.



Premium waterproof
21-010-0 For RG59/u
21-010-2 Package (2)
 High quality positive clamp.



Screw-on style
21-056-0 For RG6/u
21-056-2 Package (2)



Screw-on style
21-057-0 For RG59/u
21-057-2 Package (2)



Integral crimp ring
21-058-0 For RG59/u
21-058-2 Package (2)



Standard crimp
21-059-0 For RG59/u
21-059-2 Package (2)
21-059-10 Package (10)



75Ω Terminator
21-060-0 Bulk
21-060-2 Package (2)



Chassis Jack
21-061-0 Bulk
21-061-2 Package (2)



Double 'F' chassis jack.
21-081-0 Bulk
21-081-2 Package (2)

COMPRESSION CRIMP TOOL


- For crimping F/BNC/RCA Rg-58/59/62/6(3C/4C/5C) type compression
- Suitable for: 21-009, 21-010, 21-355, 21-356, 24-105 and 24-106 connectors
- Compressed dist. for F connector: 15.8~25.8mm
- Compressed dist. for BNC connector: 28.2~38.2mm
- Compressed dist. for RCA connector: 28.2~38.2mm
- Size: 9.1" (231mm)

84-156-1 Pkg.

ECONOMY WATERPROOF 'F' TOOL
84-157-1

This inexpensive tool is designed for waterproof F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors


WATERPROOF 'F' CONNECTOR TOOL


- Works on F type RG-59(4C) & RG-6(5C) compression connectors
- This tool is designed for the 21-009 and 21-010 F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors
- Compressed distance: 20.30±0.15mm
- Size: 8.5" (216mm)

84-158-1 Pkg.

HEAVY DUTY CRIMP TOOL

84-159-1

This tool is suitable for all hexagonal crimp F59 connectors including integral ring types. Hex crimp size for RG59 (.255") and RG6 (.322"). Comfortable cushion grip handles.

F JACK		RCA PLUG		BNC PLUG
	21-115-0 21-115-1	Bulk Package		21-142-0 21-142-1
			Bulk Package	
RCA PLUG		F PLUG		BNC PLUG
	21-116-0 21-116-1	Bulk Package		21-145-0 21-145-1
			Bulk Package	
F JACK		RCA JACK		BNC PLUG
	21-125-0 21-125-1	Bulk Package		21-146-0 21-146-1
			Bulk Package	
RCA JACK		F PLUG		BNC PLUG
	21-126-0 21-126-1	Bulk Package		21-148-0 21-148-1
			Bulk Package	
BNC JACK		RCA PLUG		N JACK
	21-131-0 21-131-1	Bulk Package		21-149-0 21-149-1
			Bulk Package	
F JACK		BNC JACK		PUSH-ON F PLUG
	21-135-0 21-135-1	Bulk Package		21-152-0 21-152-1
			Bulk Package	
BNC JACK		F PLUG		
	21-136-0 21-136-1	Bulk Package		

Video and RF Adapter Quick-Pick Table

		F		RCA		BNC		UHF		N		TNC		Mini UHF		SMA	
		J	P	J	P	J	P	J	P	J	P	J	P	J	P	J	P
F	Jack	21-081	21-155	21-125	21-115	21-135	21-145										
	Plug			21-126		21-136	21-146										
RCA	Jack		21-126				21-142										
	Plug	21-115	21-116			21-131											
BNC	Jack		21-136		21-131	21-368	21-369		21-173		21-193		21-194			21-191	21-190
	Plug	21-145	21-146	21-142		21-369	21-366	21-148		21-149							21-192
UHF	Jack						21-148	21-268			21-198		21-199		21-188		
	Plug						21-173			21-266	21-179						
N	Jack						21-149		21-179	21-468	21-469				21-189		
	Plug						21-193		21-198		21-469						
TNC	Jack										21-868	21-768	21-769		21-180		
	Plug						21-194		21-199			21-769					
Mini UHF	Jack								21-187						21-569		
	Plug							21-188		21-189		21-180		21-569			
SMA	Jack						21-191									21-868	
	Plug						21-190	21-192									

F JACK



**PUSH-ON
F PLUG**

21-155-0
21-155-1

Bulk
Package

BNC JACK



SMA PLUG

21-190-0
21-190-1

Bulk
Package

F JACK



F PLUG

21-156-0
21-156-1

Bulk
Package

SMA JACK



BNC JACK

21-191-0
21-191-1

Bulk
Package

BNC JACK



UHF PLUG

21-173-0
21-173-1

Bulk
Package

SMA PLUG



BNC PLUG



21-192-0

Bulk

N JACK



UHF PLUG

21-179-0
21-179-1

Bulk
Package

BNC JACK



N PLUG

21-193-0
21-193-1

Bulk
Package

TNC JACK



**MINI UHF
PLUG**

21-180-0
21-180-1

Bulk
Package

BNC JACK



TNC PLUG

21-194-0
21-194-1

Bulk
Package

UHF JACK



**MINI UHF
PLUG**

21-188-0
21-188-1

Bulk
Package

UHF JACK



N PLUG

21-198-0
21-198-1

Bulk
Package

N JACK



**MINI UHF
PLUG**

21-189-0
21-189-1

Bulk
Package

UHF JACK



TNC PLUG

21-199-0
21-199-1

Bulk
Package

**See the quick-selector table
on page 9 for availability of
between series adapters.**

UHF CONNECTORS

UHF SPECIFICATIONS

MATERIALS:

Body : Brass
Contacts: Nickel plated brass
Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: Non constant
Frequency Range: 0-500MHz
Voltage Rating: 500VAC
Withstanding Voltage: 1000V RMS
Insulation Resistance: 5000M Ω min.



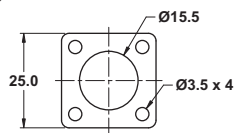
UHF CHASSIS JACK

21-238-0 Bulk Package
21-238-1 Bulk Package



UHF CHASSIS JACK

21-239-0 Bulk Package
21-239-1 Bulk Package



UHF STANDARD PLUG



For RG8/u - use reducing adapters below for RG58 or 59

21-259-0 Bulk Package
21-259-1 Bulk Package

UHF REDUCING ADAPTER



21-260-0 RG58/u
21-261-0 RG59/u
Use -2 for Display Package



MALE UHF JOINER

21-266-0 Bulk Package
21-266-1 Bulk Package



UHF BULKHEAD MOUNT

50mm long with mtg. nuts
21-267-0 Bulk Package
21-267-1 Bulk Package



FEMALE UHF JOINER

21-268-0 Bulk Package
21-268-1 Bulk Package



UHF RIGHT ANGLE

21-269-0 Bulk Package
21-269-1 Bulk Package

BNC CONNECTORS

BNC SPECIFICATIONS

MATERIALS:

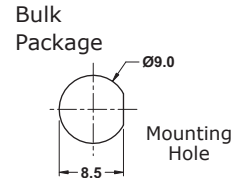
Body: Nickel plated brass
Contacts: Gold plated brass or phosphor bronze
Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: 50 Ω (75 Ω)
Frequency range: 0-4 GHz
Voltage rating: 500VAC
Withstanding voltage: 1500V RMS
Insulation resistance: 5000M Ω min.

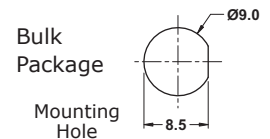
ISOLATED CHASSIS JACK

21-337-0 Bulk Package
21-337-1 Bulk Package



CHASSIS JACK

21-338-0 Bulk Package
21-338-1 Bulk Package



CRIMP PLUG



21-344-0 RG174/u 50 Ω
21-346-0 RG6/u 50 Ω
21-348-0 RG58/u 50 Ω
21-349-0 RG59/u 75 Ω
Use -1 for Display Package



CRIMP JACK

21-350-0 Bulk Package
21-350-1 Bulk Package
for RG58/u

BNC TERMINATORS



21-351-0 50 Ω
21-352-0 75 Ω
Use -1 for Display Package



TWIST-ON PLUG

21-353-0 RG58/u
21-354-0 RG59/u
Use -1 for Display Package

COMPRESSION CONNECTORS



Use 84-156-1 tool for installation

21-355-0 RG59/u
21-356-0 RG6/u
Use -1 for Display Package

BNC Connectors continued on next page

STANDARD PLUG (Clamp Type)


21-358-0 RG58/u
21-359-0 RG59/u
 Use -1 for Display Package

TRIPLE JACK


21-364-0 Bulk
21-364-1 Package

'T' CONNECTOR


21-365-0 Bulk
21-365-1 Package

FEMALE JOINER


21-368-0 Bulk
21-368-1 Package

MALE JOINER

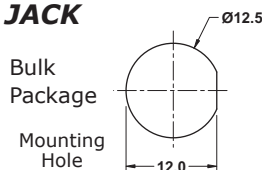

21-366-0 Bulk
21-366-1 Package

RIGHT ANGLE ELBOW


21-369-0 Bulk
21-369-1 Package

PANEL MOUNT JACK


21-367-0 Bulk
21-367-1 Package


RUBBER CABLE BOOTS

These rubber boots for BNC crimp connectors provide a professional molded look to coaxial cables.



21-398-0 RG58/u
21-399-0 RG59/u
 Use -6 for Display Package

N CONNECTORS
SPECIFICATIONS
MATERIALS:

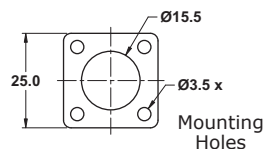
Body: Nickel plated brass
 Contacts: Gold plated brass or phosphor bronze
 Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: 50Ω
 Frequency range: 0-4 GHz
 Voltage rating: 500VAC
 Withstanding voltage: 1500V RMS
 Insulation resistance: 5000MΩ min.

CHASSIS JACK


21-439-0 Bulk
21-439-1 Package


STANDARD PLUG (RG58/u)


21-458-0 Bulk
21-458-1 Package

FEMALE JOINER


21-468-0 Bulk
21-468-1 Package

CRIMP/SOLDER PLUG (RG58/u)


21-450-0 Bulk
21-450-1 Package

Centre-pin soldered

RIGHT ANGLE ELBOW


21-469-0 Bulk
21-469-1 Package

STANDARD PLUG (RG8/u)


21-457-0 Bulk
21-457-1 Package

MINI UHF CONNECTORS

MINI UHF SPECIFICATIONS

MATERIALS:

Body : Brass
Contacts: Nickel plated brass
Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: Non constant
Frequency Range: 0-2GHz
Voltage Rating: 500VAC
Withstanding Voltage: 1000V RMS
Insulation Resistance: 5000M Ω min.

TNC CONNECTORS

TNC SPECIFICATIONS

MATERIALS:

Body: Nickel plated brass
Contacts: Gold plated brass or phosphor bronze
Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: 50 Ω
Frequency range: 0-4 GHz
Voltage rating: 500VAC
Withstanding voltage: 1500V RMS
Insulation resistance: 5000M Ω min.

CRIMP PLUG RG58/u



21-548-0 Bulk
21-548-1 Package

RIGHT ANGLE ELBOW



21-569-0 Bulk
21-569-1 Package

CRIMP PLUG (RG58/u)



21-748-0 Bulk
21-748-1 Package

FEMALE JOINER



21-768-0 Bulk
21-768-1 Package

RIGHT ANGLE ELBOW



21-769-0 Bulk
21-769-1 Package

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Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

Visit our Web Site at
<http://www.mode-elec.com>

SMA CONNECTORS

SMA SPECIFICATIONS

MATERIALS:

Body: Nickel plated brass
Contacts: Gold plated brass or phosphor bronze
Dielectric: Delrin

ELECTRICAL:

Nominal Impedance: 50 Ω
Frequency range: 0-12.4 GHz
Voltage rating: 500VAC
Withstanding voltage: 1500V RMS
Insulation resistance: 5000M Ω min.

CRIMP PLUG FOR RG174/U



21-847-0 Bulk
21-847-1 Package

CRIMP PLUG FOR RG58/U



21-848-0 Bulk
21-848-1 Package

FEMALE JOINER



21-868-0 Bulk
21-868-1 Package



24-100-0 Bulk
24-100-2 Pkg (2)

Metal body RCA plug. Maximum cable dia. 7.5mm



24-104-0 Bulk
24-104-2 Pkg (2)

Metal plug with strain relief. Maximum cable dia. 4.5mm



24-105-0 RG59/u
24-105-1 Pkg
24-106-0 RG6/u
24-106-1 Pkg

Use 84-156-1 tool for installation



24-101-0 Black
24-102-0 Red
24-109-4 Pkg (4)

Colored plastic body RCA plugs. Max. cable dia. 4.5mm.



24-111-0 Black
24-112-0 Red
24-113-4 Pkg (4)

Colored plastic with strain relief. Max. cable dia. 4.5mm



24-114-0 Bulk
24-114-2 Pkg (2)

Black plastic right angle RCA plug. Max. cable dia. 5.1mm



24-120-0 Bulk
24-120-1 Pkg

Gold plated plug with spring strain relief. Cable dia 5.5mm



24-121-0 Black
24-122-0 Red
24-123-2 Pkg (2)

Color coded gold plated plugs. Max. cable dia. 5.0mm



24-124-0 Black
24-125-0 Red
24-126-2 Pkg (2)

Color coded gold plated plugs. Max cable dia. 6.0mm



24-150-0 Bulk
24-150-2 Pkg (2)

Metal body RCA jack. Max. cable dia. 7.5mm



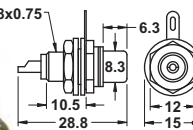
24-180-0 Bulk
24-180-2 Pkg (2)

Chassis mount RCA jack.
6.4mm mounting hole.



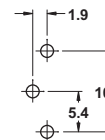
24-181-0 Bulk
24-181-2 Pkg (2)

Gold plated chassis RCA jack.
6.4mm mounting hole.



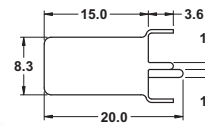
24-183B-0 Black Bulk
24-183R-0 Red Bulk
24-183-2 Pkg (2)

Gold Plated Color coded isolated chassis RCA jack. 8mm mtg hole.



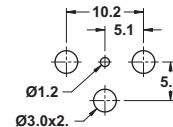
24-191-0 Bulk
24-191-2 Pkg (2)

PC mount RCA jack



24-192-0 Bulk
24-192-2 Pkg (2)

PC mount RCA jack



24-195-0 Bulk
24-195-2 Pkg (2)

Right angle PC
mount RCA jack

Special Order Products
If you have a requirement for items not shown in this Catalog, please contact Mode or your local Distributor and we would be pleased to find an economical source.

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Web Site: www.mode-elec.com

Dimensions shown for plugs and jacks are lengths and diameters of the plug body (without S/R). Cable diameter dimension is maximum cable size.

2.5mm PLUGS



24-200-0 Bulk
24-200-2 Pkg (2)

Mono plug 25mm long x 9mm dia. Cable dia. 6mm



24-211-0 Bulk
24-211-2 Pkg (2)

Mono plug 19 x 8mm dia. Cable diameter 4mm



24-221-0 Bulk
24-221-1 Pkg

Stereo plug 23mm x 8mm dia. Cable diameter 4mm



24-223-0 Bulk
24-223-1 Pkg

Stereo plug 24mm x 10mm dia. Cable diameter 4mm

2.5mm JACKS



24-271-0 Bulk
24-271-1 Pkg

Inline **stereo** jack Black color. 26mm L x 11mm dia. Cable dia. 5mm



24-287-0 Bulk
24-287-2 Pkg (2)

Mono chassis jack. 8mm W x 9.6mm H x 8mm D. 4mm mtg. hole



24-288-0 Bulk
24-288-2 Pkg (2)

Stereo chassis jack. 8mm W x 9.6mm H x 8mm D. 4mm mtg. hole

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3.5mm PLUGS



24-300-0 Bulk
24-300-2 Pkg (2)

Metal **mono** plug 25 x 9mm dia. Cable dia. 4.5mm



24-301-0 Bulk
24-301-2 Pkg (2)

Mono plug 25 x 10mm diameter. Cable dia. 5mm



24-303-0 Bulk
24-303-2 Pkg (2)

Mono plug 24 x 10mm dia. Cable dia. 4mm



24-304-0 Bulk
24-304-2 Pkg (2)

Metal **mono** plug 26 x 9mm dia. Cable dia. 4.5mm



24-310-0 Bulk
24-310-2 Pkg (2)

3.5mm **mono** right angle plug. Cable diameter 6.75mm



24-319-0 Bulk
24-319-2 Pkg (2)

3.5mm **stereo** right angle plug. Cable diameter 6.75mm



24-320-0 Bulk
24-320-2 Pkg (2)

Metal **stereo** plug. 25mm x 9mm dia. Cable dia. 6.5mm



24-321-0 Bulk
24-321-2 Pkg (2)

Black plastic **stereo** plug. 25 x 10mm dia. Cable 6mm dia.



24-322-0 Bulk
24-322-2 Pkg (2)

Metal **stereo** plug. 25 x 9mm dia. Cable dia. 4.5mm



24-323-0 Bulk
24-323-2 Pkg (2)

Black plastic **stereo** plug. 52 x 10mm dia. Cable dia. 4mm

Visit our Web Site at
<http://www.mode-elec.com>

3.5mm JACKS



24-351-0 Bulk
24-351-2 Pkg (2)

Black mono jack. 35 x 9mm dia. Cable dia. 6mm



24-353-0 Bulk
24-353-2 Pkg (2)

Metal mono jack. 34 x 10mm dia. Cable dia. 4.5mm



24-354-0 Bulk
24-354-2 Pkg (2)

Black plastic mono jack. 34 x 11mm dia. Cable dia. 4.0mm



24-371-0 Bulk
24-371-1 Pkg

Black plastic stereo jack. 34 x 11mm dia. Cable dia. 4.5mm



24-372-0 Bulk
24-372-2 Pkg (2)

Metal stereo jack. 34 x 10mm dia. Cable dia. 6mm



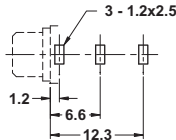
24-373-0 Bulk
24-373-2 Pkg (2)

Metal stereo jack. 34 x 10mm dia. Cable dia. 4.5mm



Closed circuit
mono chassis
jack. Mtg. hole
6mm dia.

24-381-0 Bulk
24-381-4 Pkg (4)



24-383-0 Bulk
24-383-2 Pkg (2)

Mono chassis jack (PC
mount also) Mounting
hole 6mm diameter.



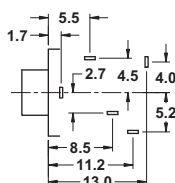
Mono closed circuit
chassis jack. 6mm
mtg. hole

24-387-0 Bulk
24-387-2 Pkg (2)



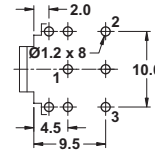
Stereo closed
circuit chassis
jack. 6mm mtg.
hole

24-388-0 Bulk
24-388-1 Pkg



24-391-0 Bulk
24-391-1 Pkg

Stereo PC mount jack
with 2 normally closed
switches. 6mm mtg.



24-392-0 Bulk
24-392-1 Pkg

Stereo PC mount jack.

1/4" PLUGS



24-600-0 Bulk
24-600-1 Pkg

Metal mono plug. 33 x 12mm dia. Cable dia. 8mm



24-601-0 Bulk
24-601-1 Pkg

Black plastic mono plug. 40 x 13mm dia. Cable dia. 8mm



24-603-0 Bulk
24-603-1 Pkg

Mono plug with strain relief. 38 x 13mm dia. Cable dia. 6mm



24-604-0 Bulk
24-604-1 Pkg

Metal mono plug with spring strain relief.
32 x 12mm dia. Cable dia. 6mm



24-610-0 Bulk
24-610-1 Pkg

Metal right angle mono plug



24-618-0 Bulk
24-618-1 Pkg

Metal right angle stereo plug



24-620-0 Bulk
24-620-1 Pkg

Metal stereo plug. 33 x 12mm dia. Cable dia. 8mm



24-621-0 Bulk
24-621-1 Pkg

Plastic stereo plug. 40 x 13mm dia. Cable dia. 7.5mm



24-622-0 Bulk
24-622-1 Pkg

Metal stereo plug with spring strain relief.
32 x 12mm dia. Cable dia. 6mm



24-623-0 Bulk
24-623-1 Pkg

Stereo plug with strain relief. 37 x 13mm dia.
Cable dia. 6mm

1/4" JACKS



24-650-0 Bulk
24-650-1 Pkg

Mono inline jack. 56 x 14mm dia. Cable dia. 6mm



24-653-0 Bulk
24-653-1 Pkg

Metal mono inline jack. 56 x 13mm dia. Cable dia. 6mm



24-670-0 Bulk
24-670-1 Pkg

Stereo inline jack. 56 x 14mm dia. Cable dia. 6.0mm



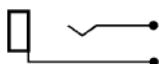
24-673-0 Bulk
24-673-1 Pkg

Metal stereo inline jack. 57 x 13mm dia. Cable dia. 6mm

1/4" CHASSIS JACKS



Mono chassis jack. 9mm mounting hole



24-680-0 Bulk
24-680-1 Pkg



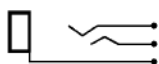
Mono chassis jack with switch.
9mm mounting hole



24-681-0 Bulk
24-681-1 Pkg



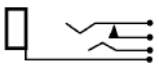
Stereo chassis jack. 9mm mounting hole



24-690-0 Bulk
24-690-1 Pkg



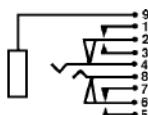
Stereo chassis jack with switch.
9mm mounting hole



24-691-0 Bulk
24-691-1 Pkg



Stereo chassis jack with 2 SPDT
switches. 9mm mounting hole



24-697-0 Bulk
24-697-1 Pkg

DIN CONNECTORS

INLINE DIN JACKS



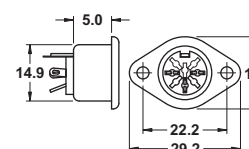
25-130-0 3-position
25-150-0 5-position
25-160-0 6-position
25-180-0 8-position
Use -1 for Display Package

INLINE DIN PLUGS



25-230-0 3-position
25-240-0 4-position
25-250-0 5-position
25-260-0 6-position
25-280-0 8-position
Use -1 for Display Package

CHASSIS MOUNT DIN JACKS



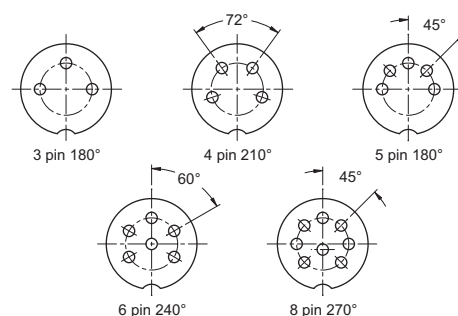
25-350-0 5-position
25-360-0 6-position
Use -1 for Display Package

METAL INLINE DIN PLUG



25-450-0 5-pos.
25-450-1 Pkg

STANDARD 'DIN' PIN LAYOUTS



Mini DIN Connectors on next page

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MINI DIN CONNECTORS
INLINE JACKS


26-140-0 4-position
26-160-0 6-position
26-180-0 8-position
Use -1 for Display Pkg.

INLINE PLUGS


26-240-0 4-position
26-250-0 5-position
26-260-0 6-position
26-280-0 8-position
Use -1 for Display Pkg.

MICROPHONE CONNECTORS


25-513-0 3-pos jack
25-513-1 Pkg
25-515-0 5-pos jack
25-515-1 Pkg



25-523-0 3-pos plug
25-523-1 Pkg
25-525-0 5-pos plug
25-525-1 Pkg



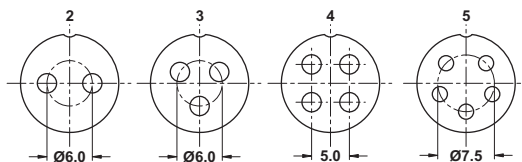
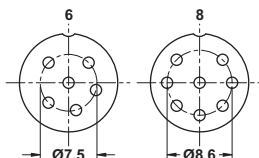
25-533-0 3-pos. jack
25-533-1 Pkg

INLINE PLUGS


25-722-0 2-position
25-723-0 3-position
25-724-0 4-position
25-725-0 5-position
25-726-0 6-position
25-728-0 8-position
Use -1 for Display Package

CHASSIS JACKS


25-732-0 2-position
25-733-0 3-position
25-734-0 4-position
25-735-0 5-position
25-736-0 6-position
25-738-0 8-position
Use -1 for Display Package


Pin Layout

MINIATURE CONNECTORS

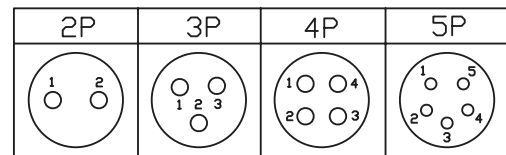
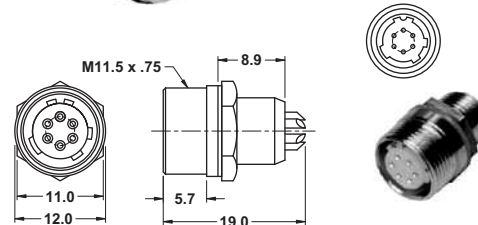
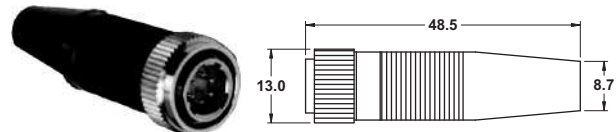
These are miniature versions of our 25-72X and 25-73X series (approx. 30% smaller).

INLINE PLUGS


25-722M-0 2-position
25-723M-0 3-position
25-724M-0 4-position
25-725M-0 5-position
Use -1 for Display Pkg.

CHASSIS JACKS


25-732M-0 2-position
25-733M-0 3-position
25-734M-0 4-position
25-735M-0 5-position
Use -1 for Display Pkg.

Pin Layout

PRECISION MINIATURE CONNECTOR


This miniature precision six contact connector features gold plated contacts, threaded locking ring and precision fit and finish.

25-746-0 6-position plug
25-746-1 Display Package
25-756-0 6-position jack
25-756-1 Display Package

M12 WATERPROOF (IP67) CONNECTORS
INLINE PLUGS


25-814-0 4-position
25-815-0 5-position
25-818-0 8-position
Use -1 for Display Pkg.

CHASSIS JACKS


25-834-0 4-position
25-835-0 5-position
25-838-0 8-position
Use -1 for Display Pkg.



Right angle RCA jack to RCA plug adapter.

27-112-0 Bulk
27-112-1 Pkg



RCA jack to RCA jack adapter.

27-116-0 Bulk
27-116-1 Pkg



Gold plated RCA jack to RCA jack adapter.

27-117-0 Bulk
27-117-1 Pkg



RCA jack to 3.5mm plug.

27-132-0 Bulk
27-132-1 Pkg



RCA jack to 1/4" (6.35mm) phone plug.

27-162-0 Bulk
27-162-1 Pkg



2.5mm Stereo Jack to 3.5mm Stereo Plug

27-242-0 Bulk
27-242-1 Pkg



3.5mm jack to RCA plug.

27-312-0 Bulk
27-312-1 Pkg



3.5mm jack to 2.5mm plug.

27-322-0 Bulk
27-322-1 Pkg



3.5mm jack to 1/4" (6.35mm) stereo phone plug.

27-353-0 Bulk
27-353-1 Pkg



3.5mm jack to 1/4" (6.35mm) mono phone plug.

27-362-0 Bulk
27-362-1 Pkg



3.5mm stereo jack to 3.5mm stereo jack.

27-366-0 Bulk
27-366-1 Pkg



3.5mm stereo jack to 2.5mm stereo plug.

27-422-0 Bulk
27-422-1 Pkg



3.5mm stereo jack to 3.5mm mono plug.

27-434-0 Bulk
27-434-1 Pkg



3.5mm stereo jack to 1/4" (6.35mm) stereo phone plug.

27-455-0 Bulk
27-455-1 Pkg



3.5mm stereo jack to 1/4" (6.35mm) mono phone plug.

27-464-0 Bulk
27-464-1 Pkg



1/4" (6.35mm) stereo jack to 3.5mm stereo plug.

27-533-0 Bulk
27-533-1 Pkg



1/4" (6.35mm) stereo jack to 3.5mm mono plug.

27-534-0 Bulk
27-534-1 Pkg



1/4" (6.35mm) mono jack to RCA plug.

27-612-0 Bulk
27-612-1 Pkg



1/4" (6.35mm) mono jack to 3.5mm mono plug.

27-632-0 Bulk
27-632-1 Pkg



1/4" (6.35mm) mono jack to 1/4" (6.35mm) mono jack.

27-666-0 Bulk
27-666-1 Pkg



RCA 'Y' adapter.

27-913-0 Bulk
27-913-1 Pkg



3.5mm stereo plug to
2 3.5mm stereo jacks

27-933-0 Bulk
27-933-1 Pkg.



RCA 'Y' CABLES

6" long

27-912-0
27-921-0

2 RCA Jacks to RCA Plug
2 RCA Plugs to RCA Jack

Use -1 for Display Package



PREMIUM RCA 'Y' CABLES

6" long

- Home theater Y-Cable audio interconnects unparalleled quality and top line performance for home theater audio equipment
- Ultra-Flexible rubberized PVC jacket, 6.0mm OD
- Fully molded construction

27-912P-0
27-921P-0

2 RCA Jacks to RCA Plug
2 RCA Plugs to RCA Jack

MISC. 'Y' CABLES



3.5mm Stereo - 2 RCA Plugs. 6"

27-971-0 Bulk
27-971-1 Pkg.



3.5mm stereo - 2 RCA Jacks. 6"

27-972-0 Bulk
27-972-1 Pkg.



3.5mm stereo plug - 2 RCA
plugs. 6' long.

27-974-0 Bulk
27-974-1 Pkg.



Premium 3.5mm stereo
plug - 2 RCA plugs.
6' long

27-975-0 Bulk



3.5mm stereo plug - 2
3.5mm stereo jacks. 6" long

27-978P-0 Bulk
27-978P-1 Pkg.



RCA COAXIAL CABLES

RCA plug to RCA plug
with RG59/u cable.

28-106G-0 6' Gold
28-112-0 12' long
28-125-0 25' long

28-106G-1 Pkg
28-112-1 Pkg
28-125-1 Pkg

3.5mm R/A STEREO CORD 1m



28-232-0 Bulk
28-232-1 Pkg



3.5mm plug to
3.5mm plug.

28-233-0 6' Mono
28-234-0 6' Stereo
28-235-0 12' Stereo
28-236-0 10' Mono

28-233-1 Pkg
28-234-1 Pkg
28-235-1 Pkg
28-236-1 Pkg



3.5mm stereo plug to 3.5mm
stereo jack.

28-244-0 6' long
28-245-0 12' long
28-246-0 25' long

28-244-1 Pkg
28-245-1 Pkg
28-246-1 Pkg



GOLD PLATED S-VHS JOINER

28-366-0 Bulk
28-366-1 Pkg.



S-VHS CABLES

Gold plated

28-306-0 6' long
28-312-0 12' long
28-325-0 25' long
28-350-0 50' long

28-306-1 Pkg
28-312-1 Pkg
28-325-1 Pkg
28-350-1 Pkg



S-VHS PATCH CABLES

S-VHS + Stereo Audio
extension cables -
gold plated.

28-321-0 12' long

28-321-1 Pkg



PREMIUM STEREO RCA CABLE

28-511P-0 3' long
28-611P-0 6' long
28-711P-0 12' long
28-811P-0 25' long

- High-Definition home theater RCA interconnects unparalleled quality and top line performance for home theater audio equipment
- Ultra-Flexible rubberized PVC jacket, 6.0mm OD
- High-Retention RCA plugs
- Fully molded construction



STEREO AUDIO CABLES

Dual RCA plugs on both ends.

28-511-0	3' long	28-511-1	Pkg
28-611-0	6' long	28-611-1	Pkg
28-711-0	12' long	28-711-1	Pkg
28-811-0	20' long	28-811-1	Pkg



GOLD PLATED STEREO AUDIO CABLES

Dual gold plated RCA plugs on both ends.

28-512-0	3' long	28-512-1	Pkg
28-612-0	6' long	28-612-1	Pkg
28-712-0	12' long	28-712-1	Pkg
28-812-0	25' long	28-812-1	Pkg



GOLD PLATED VIDEO CABLES

Gold plated video cables - two audio lines plus shielded video line.

28-411-0	3' long	28-411-1	Pkg
28-413-0	12' long	28-413-1	Pkg
28-414-0	18' long	28-414-1	Pkg
28-415-0	25' long	28-415-1	Pkg

PREMIUM STEREO PATCH CORD



RCA Premium Patch Cord

28-613-0	6' long	28-613-1	Pkg
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COMPONENT VIDEO CABLE

3-RCA Component-Video Cable. Color is Ivory.

28-523-0	3' long	28-523-1	Pkg
28-623-0	6' long	28-623-1	Pkg
28-723-0	12' long	28-723-1	Pkg



HDMI CABLE

28-801-0	6' long
28-802-0	10' long
28-803-0	15' long

Use -1 for Display Package

- Ideal for HDTV sets, DVD players/recorders and set-top boxes
- Compatible with all HDMI devices
- Carries high-definition digital video and multi-channel audio in one cable
- Supports video resolutions up to 1920x1080 and data rates to 5Gbps
- Fully molded construction
- Super-flexible satin black PVC jacket
- HDMI and HDCP compliant
- 24K gold-plated contacts



SINGLE LINK DVI-D CABLE

28-614-0	6' long
28-616-0	12' long

Use -1 for Display Package

- Installs easily on any DVI-D socket. Superior TMDS Signal Resolution
- Single Link cable supports video resolutions up to 1920 x 1080 and data rates to 4.95Gbps
- Dual Link cable supports video resolutions up to 2048 x 1536 and data rates to 9.9Gbps
- Fully molded construction Super-flexible satin black PVC jacket
- AWG28 tinned copper conductors
- 24K gold-plated contacts

DUAL LINK DVI-D CABLE

28-806-0	6' long	28-806-1	Pkg
28-807-0	10' long	28-807-1	Pkg
28-808-0	12' long	28-808-1	Pkg

STEREO HEADPHONE EXTENSION



Coiled 1/4" phone plug extension cord. Extends to 25'.

28-975-0	Bulk	28-975-1	Pkg
-----------------	------	-----------------	-----

D-SUB SPECIFICATIONS
MATERIALS

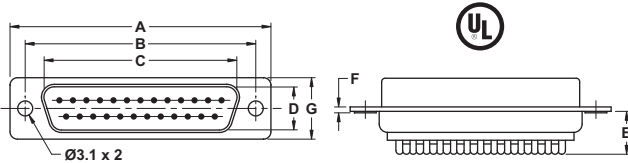
Shell: Tin or zinc over copper plated steel
 Contacts: Male - Brass (gold plated over nickel)
 Female - Gold plated phosphor bronze
 Insulator: PBT & glass-fibre reinforced UL94V-0

ELECTRICAL

Current rating: 3 amps
 Working voltage: 125V RMS
 Dielectric strength: 1000 volts for 1 minute
 Insulation resistance: 1000MΩ @ 500VDC
 Temperature range: -55 to +105 degrees C

SOLDER D-SUB CONNECTORS
MALE

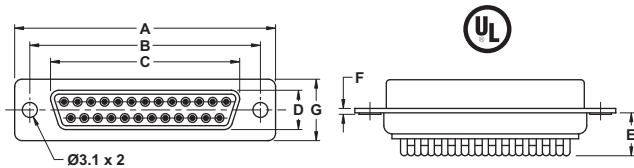

30-110-0 9-position
30-111-0 15-position
30-112-0 25-position
30-113-0 37-position
30-114-0 50-position
Use -1 for Display Package



Size	A	B	C	D	E	F	G
9-pin	30.80	25.00	16.92	8.30	8.0	1.2	12.5
15-pin	39.20	33.30	25.25	8.30	8.0	1.2	12.5
25-pin	53.10	47.10	38.96	8.30	8.0	1.2	12.5
37-pin	69.40	63.50	55.42	8.30	8.0	1.2	12.5
50-pin	67.00	61.00	52.81	11.30	8.0	1.2	15.3

FEMALE

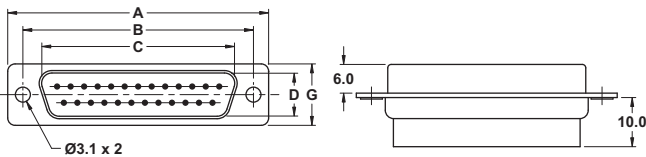

30-120-0 9-position
30-121-0 15-position
30-122-0 25-position
30-123-0 37-position
Use -1 for Display Package



Size	A	B	C	D	E	F	G
9-pin	30.80	25.00	16.30	7.90	8.0	1.2	12.5
15-pin	39.20	33.30	24.60	7.90	8.0	1.2	12.5
25-pin	53.10	47.10	38.30	7.90	8.0	1.2	12.5
37-pin	69.40	63.50	54.80	7.90	8.0	1.2	12.5

CRIMP D-SUB CONNECTORS
MALE

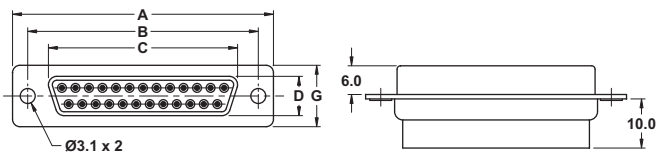

30-210-0 9-position
30-211-0 15-position
30-212-0 25-position
Display package (-1) contains connector body plus contacts



Size	A	B	C	D	G
9-pin	30.80	25.00	16.92	8.30	12.5
15-pin	39.20	33.30	25.25	8.30	12.5
25-pin	53.10	47.10	38.96	8.30	12.5
37-pin	69.40	63.50	55.42	8.30	12.5

FEMALE


30-220-0 9-position
30-221-0 15-position
30-222-0 25-position
Display package (-1) contains connector body plus contacts



Size	A	B	C	D	G
9-pin	30.80	25.00	16.30	7.90	12.5
15-pin	39.20	33.30	24.60	7.90	12.5
25-pin	53.10	47.10	38.30	7.90	12.5

D-SUB CRIMP CONTACTS

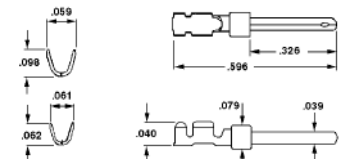
Contacts for 30-21X and 30-22X series D-sub connectors.

Gold plated D-sub contacts. Suitable for 26-28 AWG wire size.



30-226-0 Male contacts (loose)
30-226-100 Display Package (100)

30-228-0 Female contacts (loose)
30-228-100 Display Package (100)



D-SUB ACCESSORIES

FEMALE LOCK POSTS



Locking hardware c/w nuts
& washers (set of two)

30-023-0 Bulk only

MALE LOCK SCREWS



Locking screws c/w clip-
on captivators (set of two)

30-028-0 Bulk only

MALE LOCK POSTS



Knurled lock posts -
use with hoods (set 2)

30-030-0 Bulk only

D-SUB HOODS

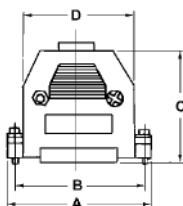
Grey plastic D-sub hoods
complete with all hardware

30-130-0 9-position
30-131-0 15-position
30-132-0 25-position
30-133-0 37-position
30-134-0 50-position
Use -1 for Display Package



Chrome plated plastic D-sub
hoods for EMI/RFI shielding

30-230-0 9-position
30-231-0 15-position
30-232-0 25-position
30-233-0 37-position
30-234-0 50-position
Use -1 for Display Package



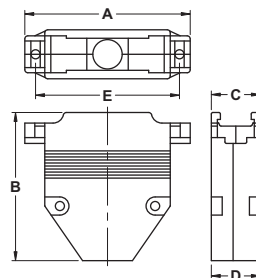
Size	A	B	C	D	E	F
9-pin	31.00	24.99	39.50	20.50	16.5	16.5
15-pin	39.00	33.52	35.50	28.00	16.5	17.5
25-pin	55.50	47.04	41.00	37.00	16.5	16.5
37-pin	69.50	63.50	51.00	51.00	24.0	19.0
50-pin	69.10	61.11	44.00	54.50	20.0	19.0



Die Cast Metal D-sub hoods
complete with all hardware

30-230M-0 9-position
30-231M-0 15-position
30-232M-0 25-position
Use -1 for Display Package

Size	A	B	C	D	E
9-pin	31.00	47.00	15.60	15.80	24.99
15-pin	40.00	48.00	15.80	15.80	33.32
25-pin	53.50	48.00	16.00	16.00	47.04

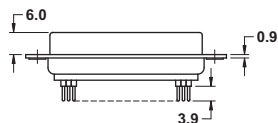
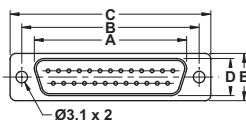


PRINTED CIRCUIT MOUNT D-SUBS

MALE



30-310-0 9-position
30-311-0 15-position
30-313-0 37-position
30-314-0 50-position
Use -1 for Display Package

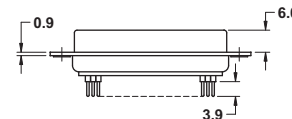
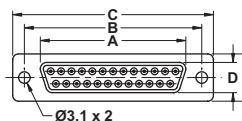


Size	A	B	C	D	E
9-pin	16.92	25.00	30.80	8.30	12.5
15-pin	25.25	33.30	39.20	8.30	12.5
25-pin	39.96	47.10	53.10	8.30	12.5
37-pin	55.42	63.50	69.40	8.30	12.5
50-pin	52.81	61.00	67.00	11.30	15.3

FEMALE



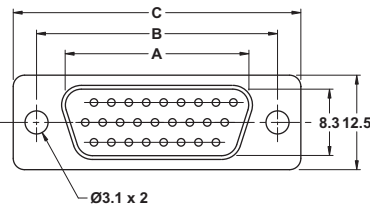
30-320-0 9-position
30-322-0 25-position
30-323-0 37-position
30-324-0 50-position
Use -1 for Display Package



Size	A	B	C	D	E
9-pin	16.30	25.00	30.80	7.90	12.5
25-pin	38.30	47.10	53.10	7.90	12.5
37-pin	54.80	63.50	69.40	7.90	12.5
50-pin	52.20	61.00	67.00	10.9	15.3

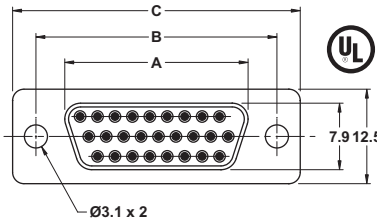
MALE
HIGH DENSITY SOLDER D-SUBS


30-810-0 15-position
30-811-0 26-position
30-812-0 44-position
 Use -1 for Display Package



Size	A	B	C
15-pin	16.92	25.00	30.80
26-pin	25.25	33.30	39.20
44-pin	38.96	47.10	53.10

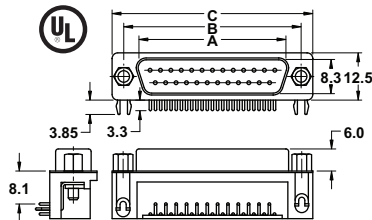
30-820-0 15-position
30-821-0 26-position
 Use -1 for Display Package



Size	A	B	C
15-pin	16.30	25.00	30.80
26-pin	24.60	33.30	39.20

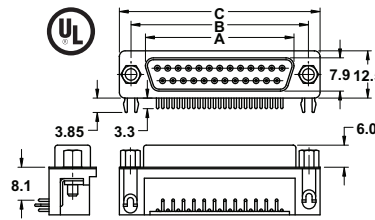
RIGHT ANGLE P.C. MOUNT D-SUB
.318"/8.1mm footprint
MALE


30-410-0 9-position
30-411-0 15-position
30-412-0 25-position
 Use -1 for Display Package



Size	A	B	C
9-pin	16.92	25.00	30.80
15-pin	25.25	33.30	39.20
25-pin	38.60	47.10	53.10

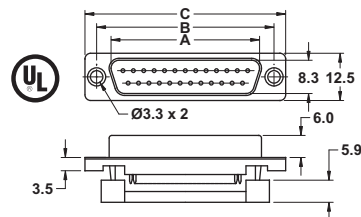
30-420-0 9-position
30-421-0 15-position
30-422-0 25-position
30-423-0 37-position
 Use -1 for Display Package


FEMALE


Size	A	B	C
9-pin	16.30	25.00	30.80
15-pin	24.60	33.30	39.20
25-pin	38.30	47.10	53.10
37-pin	54.80	63.50	69.4

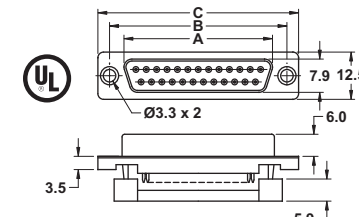
RIBBON CABLE D-SUBS
MALE


30-710-0 9-position
30-711-0 15-position
30-712-0 25-position
30-713-0 37-position
 Use -1 for Display Package



Size	A	B	C
9-pin	16.92	25.00	30.80
15-pin	25.25	33.30	39.20
25-pin	38.60	47.10	53.10
37-pin	55.42	63.50	69.4

30-720-0 9-position
30-721-0 15-position
30-722-0 25-position
 Use -1 for Display Package

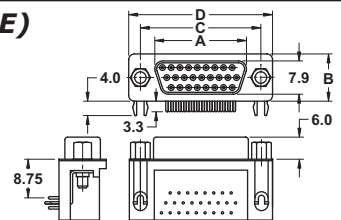

FEMALE


Size	A	B	C
9-pin	16.30	25.00	30.80
15-pin	24.60	33.30	39.20
25-pin	38.30	47.10	53.10

HIGH DENSITY R/A P.C. MOUNT D-SUBS (FEMALE)


30-860-0 15-position
 Use -1 for Display Package

Size	A	B	C	D
15-pin	16.30	12.5	25.00	30.80



MODE ELECTRONICS LTD.
 211 - 2999 UNDERHILL AVE.,
 BURNABY, B.C., CANADA, V5A 3C2
 Phone: 604-435-6633
 Fax: 604-435-8890
 Toll Free: 1-800-663-4992
 Web Site: www.mode-elec.com

2/18 LINE CORDS (6' LONG)



2-wire line cord
- 18/2 SPT-1

31-021-0 Bulk

3/18 SVT LINE CORD (6' LONG)



Black jacket 3/18 SVT
6' long with stripped
and tinned leads. 75
degree C cable.

31-031-0 Bulk

EQUIPMENT POWER CORD (6' LONG)



Black jacket 3/18
equipment cord with
plug & socket (socket
mates with 31-045-0)

31-035-0 Bulk

LINE CORDS (R/A PLUG)



Black jacket, 105
degree C cable with
R/A plug and stripped
and tinned leads.

31-031RA-0	SVT	18/3	6'	Bulk
31-032RA-0	SJT	16/3	6'	Bulk
31-033RA-0	SJT	16/3	10'	Bulk
31-034RA-0	SJT	14/3	10'	Bulk

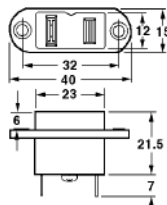
EQUIPMENT POWER CORDS (R/A PLUG)



Black jacket, 105
degree C cable with
R/A plug and socket
(socket mates with
31-045-0).

31-035RA-0	SVT	18/3	6'	Bulk
31-036RA-0	SVT	18/3	10'	Bulk
31-037RA-0	SJT	16/3	6'	Bulk
31-038RA-0	SJT	16/3	10'	Bulk

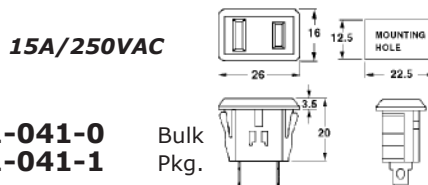
2-WIRE CHASSIS RECEPTACLE



15A/125VAC

31-040-0 Bulk
31-040-1 Pkg.

2-WIRE SNAP-IN RECEPTACLE



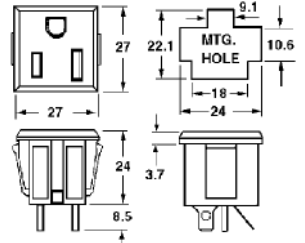
15A/250VAC

31-041-0 Bulk
31-041-1 Pkg.

3-WIRE CHASSIS RECEPTACLE



15A/250VAC

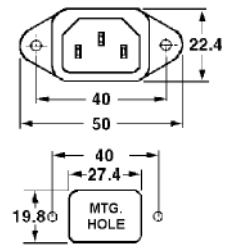


31-043-0 Bulk
31-043-1 Pkg.

3-WIRE CHASSIS RECEPTACLE



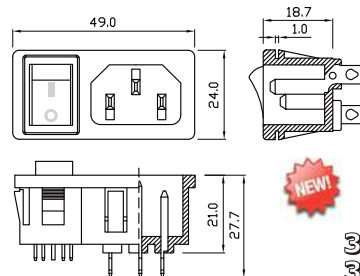
15A/250VAC
50/60Hz



31-045-0 Bulk
31-045-1 Pkg.

AC CHASSIS JACK WITH SWITCH

Current Rating: 250V AC 10Amp



31-047-0 Bulk
31-047-1 Pkg.

AC OUTLET STRIP

Electrical Rating: 125VAC 15Amp



6 outlet power distribution strip with lighted power switch/
breaker and surge suppression. Durable metal case with 6'
cord. Outlets turned 90 degrees for AC adapters.
Attractive Mode display box.

31-062-1 Display Box

AC OUTLET STRIP


Elect. Rating:
125VAC 15Amp
Max. Surge
Suppression:
450 Joules

6 outlet power distribution strip with lighted power switch/breaker and surge suppression. LED Power indicator. Durable Plastic case with 6' cord. Outlets turned 90 degrees for AC adapters. Attractive Mode display box.

31-063A-1 Display Box

8 OUTLETS POWER STRIP


- Heavy Duty Metal Construction
- Heavy Duty 6' Power Cord (14AWG x 3C)
- Illuminated On-Off Power Switch with built-in 15 amp Circuit Breaker
- Built-in Cord Organizer
- Surge Indicator LED
- 8 Surge Protected Outlets (3 Wide Spaced)

31-066-1 Display Box

HOME OR OFFICE SURGE ARRESTER WITH PHONE AND COAX PROTECTION


- Heavy Duty 6' Power Cord (14AWG x 3C)
- Telephone and Coax Line Protection
- Illuminated On-Off Power Switch/Circuit Breaker
- Surge Indicator LED
- 8 Surge Protected Outlets (3 Wide Spaced)

31-067-1 Display Box

DC POWER PRODUCTS
FEMALE AUTO POWER JACK


Female inline jack. Accepts 31-085, 31-088, 31-097, 31-089, 31-099, 31-085E.

31-080-0 Bulk
31-080-1 Pkg.

AUTO POWER PLUG c/w LED


Fuseable auto power plug with green LED indicator. Comes with 3A fuse.

31-085-0 10A/12VDC **31-085-1** Pkg.
31-085E-0 10A/12VDC Bulk

AUTO POWER PLUG, FUSEABLE


31-088-0 Bulk
31-088-1 Pkg.

Auto cigarette lighter plug with fuse holder.

STANDARD AUTO PLUG


31-089-0 Bulk
31-089-1 Pkg.

Standard auto cigarette lighter plug.


AUTO PLUG/CORD

2.1mm Plug 8' cord.
Has F1A (1Amp - 5x20mm) fuse.
Rating: 3 Amps @ 12VDC

31-099-0 Bulk
31-099-1 Pkg.

DC POWER PLUGS


9.5mm barrel length
4 mm cable diameter

31-101-0 1.3mm I.D.
31-121-0 2.1mm I.D.
31-141-0 2.5mm I.D.
Use -2 for Display Pkg.



14mm barrel length
4 mm cable diameter

2.1mm I.D.
31-122-0 Bulk
31-122-1 Pkg.



9.5mm barrel length
4.3mm cable diameter

31-123-0 2.1mm I.D.
31-143-0 2.5mm I.D.
31-161-0 3.0mm I.D.
Use -2 for Display Pkg.



14mm barrel length
4.3mm cable diameter

31-124-0 2.1mm I.D.
31-144-0 2.5mm I.D.
Use -2 for Display Pkg.

DC POWER JACKS


31-132-0 2.1mm
31-152-0 2.5mm
Use -1 for Display Pkg.



Max. 2A @ 16VDC

31-133-0 2.1mm
31-153-0 2.5mm
Use -2 for Display Pkg.



Max. 2A @ 16VDC

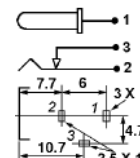
31-134-0 2.1mm
31-154-0 2.5mm
Use -2 for Display Pkg.

13mm chassis mtg. hole.



Compact isolated chassis mount DC power jack. 8mm mounting hole. Max. 2A @ 16VDC.

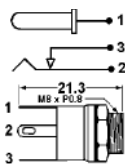
31-134M-0 2.1mm
31-154M-0 2.5mm
Use -2 for Display Pkg.



Max. 2.5A @ 16VDC

31-155-0 2.1mm
31-156-0 2.5mm
Use -2 for Display Pkg.

PBT Material 220 deg. C

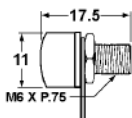


Max. 2A @ 16VDC

31-157-0 2.1mm
31-158-0 2.5mm
Use -1 for Display Pkg.

TEST JACKS & PLUGS

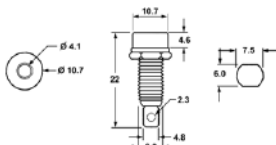
CHASSIS BANANA JACKS



31-401-0 Black
31-400-2 Red and Black Pkg (2)

31-402-0 Red
31-400-2 Pkg (2)

CHASSIS BANANA JACKS

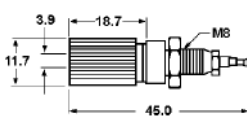


Multi-colored chassis mounting Banana jacks.

31-411-0 Black
31-414-0 Yellow
31-416-0 Blue
31-410-2 Red/Black

31-412-0 Red
31-415-0 Green
31-419-0 White
31-410-6 Asst. (6)

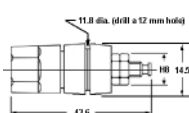
BINDING POSTS



31-421-0 Black
31-420-2 Pkg (red & blk)

31-422-0 Red
31-425-0 Green

LARGE BINDING POSTS

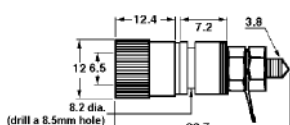


Gold plated. 15A @ 125V AC

31-441-0 Black
31-443-2 Pkg (red & blk)

31-442-0 Red
31-443-2 Pkg (red & blk)

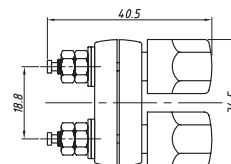
LOW PROFILE BINDING POSTS



31-431-0 Black
31-430-2 Pkg 1 red 1 black

31-432-0 Red
31-430-2 Pkg 1 red 1 black

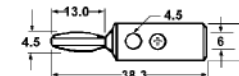
DUAL BINDING POSTS



Gold plated, 30A

31-440-0 Bulk
31-440-1 Pkg

BANANA PLUGS



31-461-0 Black
31-460-2 Pkg 1 red 1 black

31-462-0 Red
31-460-2 Pkg 1 red 1 black

COMPUTER ACCESSORIES

RS232 GENDER CHANGERS



Low profile gender changers with appropriate mounting hardware.

Use -1 for Display Package (except 32-025-0)

Positions	male-male	male-female	fem-fem
9-pos.	32-021-0	32-022-0	32-023-0
15-pos.			32-026-0
25-pos.	32-027-0	32-028-0	32-029-0

32-021HD-0 15-pos., high density, male-male
32-023HD-0 15-pos., high density, fem-fem.

MODULAR PHONE JACK TO RS232 ADAPTERS



Note: RJ45(8C) types will accept RJ12(6C) plugs.
RJ12 = 6P/6C
RJ45 = 8P/8C

32-321-0 RJ45(8C) - 9-position male
32-322-0 RJ45(8C) - 9-position female
32-323-0 RJ45(8C) - 15-position male
32-325-0 RJ45(8C) - 25-position male

Use -1 for Display Package



A-A USB2.0 CABLE

32-406-0 6' long
32-410-0 10' long

32-406-1 Pkg
32-410-1 Pkg


60MHz SCOPE PROBE

1.5 meter length
Attenuation: 1x and 10x
Input Resistance: 1 M and 10 M ohms
Bandwidth: 60MHz(400V Peak to peak max.)
60MHz(600V peak to peak max.)
Compensation adjustment in BNC connector

33-010-0 Bulk
33-010-1 Display Package


100MHz SCOPE PROBE

1.5 meter length
Attenuation: 1x and 10x
Input Resistance: 1 M and 10 M ohms
Bandwidth: 10MHz (300V peak to peak max.)
100MHz (600V peak to peak max.)
Compensation adjustment in BNC connector
Includes multi-accessory kit

33-015-0 Bulk
33-015-1 Display Package

METER REPLACEMENT LEAD


Set of red & black test leads with banana plugs. Plugs & probes are molded.

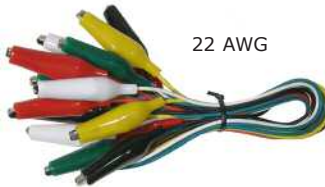
33-140-0 Set(bulk)
33-140-2 Package

CLIP LEAD SETS


24 AWG

Set of 10 18" clip leads with 31mm insulated clips. 24 AWG stranded wires. Colors: 2 red, 2 black, 2 green, 2 yellow, 2 white

33-210-0 Bulk set 10
33-210-10 Display Pkg



22 AWG

Set of 10 heavy duty 24" clip leads with 50mm clips. 5 different colors.

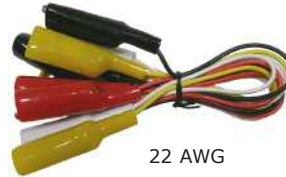
33-220-0 Bulk set 10
33-220-10 Display Pkg

NATURAL NYLON CABLE TIES


High quality nylon cable ties available in bags of 1000 or smaller quantity display packages. Made of UL approved Nylon 66, 94V-2

	Length	Width	Load
34-121-100	3.5" (90mm)	2.4mm	8 Kg
34-121-1000			
34-122-100	4" (100mm)	2.5mm	8 Kg
34-122-1000			
34-123-100	5.5" (140mm)	3.6mm	18Kg
34-123-1000			
34-124-100	7.5" (188mm)	4.8mm	22Kg
34-124-1000			
34-125-100	8" (200mm)	4.8mm	22Kg
34-125-1000			
34-126-50	11" (300mm)	4.8mm	22kg
34-126-1000			

Note: -1000 are bulk packages of 1,000.
Others are Display Packages.



22 AWG

Set of 4 heavy duty 30" clip leads with 50mm clips. Colors: black, red, yellow, white.

33-230-0 Bulk set 4
33-230-4 Display Pkg

SEIZER PROBES (55mm)


33-361-0 Black
33-362-0 Red
33-360-2 Pkg
1 red 1 black

32mm ALLIGATOR CLIPS


33-400-0 Bulk
33-400-10 Pkg (10)

32mm INSULATED ALLIGATOR CLIPS


Note: The 33-409-0 contains 10 clips in 5 colors, the -10 is a display package of 10.

33-409-0 Bulk set 10
33-409-10 Pkg (10)

40mm INSULATED ALLIGATOR CLIPS


33-411-0 Bulk black
33-412-0 Bulk red
33-419-10 Pkg 5 red/black

51mm ALLIGATOR CLIPS (with screw)


33-430-0 Bulk
33-430-10 Pkg (10)

51mm INSULATED ALLIGATOR CLIPS


33-431-0 Bulk black
33-432-0 Bulk red
33-439-10 Pkg 5 red/black

NATURAL COLOR CABLE TIES


Colored, high quality nylon cable ties made of UL approved Nylon 66, 94V-2. Load: 8Kg

	Length	Width	Color
34-122BL-100	4" (100mm)	2.5mm	Blue
34-122BL-1000	4" (100mm)	2.5mm	Blue
34-122GN-100	4" (100mm)	2.5mm	Green
34-122GN-1000	4" (100mm)	2.5mm	Green
34-122RD-100	4" (100mm)	2.5mm	Red
34-122RD-1000	4" (100mm)	2.5mm	Red
34-122YL-100	4" (100mm)	2.5mm	Yellow
34-122YL-1000	4" (100mm)	2.5mm	Yellow

SCREW MOUNT CABLE TIES



Made of UL approved Nylon 66, 94V-2

	Length	Width	Load
34-143-50	6" (150mm)	3.6mm	22kg
34-143-1000			
34-144-50	8" (200mm)	4.8mm	22kg
34-144-1000			
34-146-25	11" (300mm)	4.8mm	22kg
34-146-1000			

Note: -1000 are bulk packages of 1,000.
Others are Display Packages.

WEATHER RESISTANT CABLE TIES

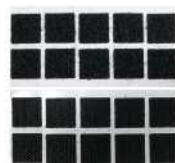


High quality black nylon cable ties suitable for outdoor use. Available in bags of 1000 or smaller quantity display packages. Made of UL approved Nylon 66, 94V-2. Temperature range: -10 deg. C to 85 deg. C

	Length	Width	Load
34-131-100	3.5" (90mm)	2.4mm	8 Kg
34-131-1000			
34-132-100	4" (100mm)	2.5mm	8 Kg
34-132-1000			
34-133-100	5.5" (140mm)	3.6mm	18Kg
34-133-1000			
34-134-50	7.5" (188mm)	4.8mm	22Kg
34-134-1000			
34-135-50	8" (200mm)	4.8mm	22Kg
34-135-1000			
34-136-25	11" (300mm)	4.8mm	22kg
34-136-1000			

Note: -1000 are bulk packages of 1,000.
Others are Display Packages.

HOOK & LOOP CABLE TIES



Adhesive Pads



34-150-10	6" Blk	Pkg. 10
34-150-100	6" Blk	Pkg. 100
34-151-10	6" Red	Pkg. 10
34-151-100	6" Red	Pkg. 100
34-152-10	6" Green	Pkg. 10
34-152-100	6" Green	Pkg. 100
34-153-10	6" Yellow	Pkg. 10
34-153-100	6" Yellow	Pkg. 100
34-154-10	6" Blue	Pkg. 10
34-154-100	6" Blue	Pkg. 100
34-155-10	8" Blk	Pkg. 10
34-155-100	8" Blk	Pkg. 100
34-156-10	8" Red	Pkg. 10
34-156-100	8" Red	Pkg. 100
34-157-10	8" Green	Pkg. 10
34-157-100	8" Green	Pkg. 100
34-158-10	8" Yellow	Pkg. 10
34-158-100	8" Yellow	Pkg. 100
34-159-10	8" Blue	Pkg. 10
34-159-100	8" Blue	Pkg. 100
34-160-10	Adhesive Pads	Pkg. 10
34-160-50	Adhesive Pads	Pkg. 50

All are Display Packages.

IMPORTANT NOTE ABOUT NYLON CABLE TIES:

Nylon cable ties are affected by relative humidity. If the humidity is low the cable ties dry out, lose strength and could become brittle. If you experience this problem, adding a small amount of water (a few drops) to the bag will restore the flexibility and strength to the cable tie.



CABLE TIE TOOL

Handy cable tie tensioner and cut-off tool. Made of very durable polymer material.

34-900-0	Bulk	34-900-1	Pkg.
-----------------	------	-----------------	------

CABLE TIE MOUNTS (SCREW TYPE)



Made of UL approved Nylon 66, 94V-2

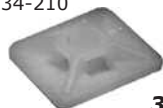
34-200 #6 screw **34-201 .188" mtg. hole**



34-200-25	Pkg (25)	34-200-100	Bulk
34-201-25	Pkg (25)	34-201-100	Bulk

ADHESIVE CABLE TIE MOUNTS

34-210



3/4" Sq.

1" Sq. adhesive #8 screw mount.



34-212

34-210-25	Pkg (25)	34-210-100	Bulk
34-212-25	Pkg (25)	34-212-100	Bulk

NYLON CABLE CLAMPS

Made of UL approved Nylon 66, 94V-2



34-300-100	1/8" diameter	Disp. Pkg
34-300-1000	1/8" diameter	Bulk
34-302-100	1/4" diameter	Disp. Pkg
34-302-1000	1/4" diameter	Bulk
34-304-100	3/8" diameter	Disp. Pkg
34-304-1000	3/8" diameter	Bulk
34-306-100	1/2" diameter	Disp. Pkg.
34-306-1000	1/2" diameter	Bulk
34-310-100	3/4" diameter	Disp. Pkg.

SPIRAL WRAP

Natural color polyethylene spiral wrap. 10 Meter rolls.



34-410-10M	1/8" - 1/2" dia.	10 meters
34-420-10M	1/4" - 2" dia.	10 meters
34-440-10M	3/8" - 3" dia.	10 meters
34-450-10M	1/2" - 4" dia.	10 meters

FLEXIBLE GROMMET


Natural color polyethylene flexible grommet.
10 M rolls.

34-511-10M	1/32" chassis thickness	10 meters
34-512-10M	1/16" chassis thickness	10 meters
34-514-10M	3/32" chassis thickness	10 meters
34-515-10M	1/8" chassis thickness	10 meters

FLEXIBLE CONDUIT


Black polypropylene flexible conduit. Split for easy wire insertion. **Note:** Lengths vary as shown below.

Dimensions shown below are inside diameters.

34-521-300M	1/4"	300 meters	Bulk
34-521-30M	1/4"	30 meters	Bulk
34-521-10M	1/4"	10 meters	Bulk
34-522-200M	3/8"	200 meters	Bulk
34-522-30M	3/8"	30 meters	Bulk
34-522-10M	3/8"	10 meters	Bulk
34-523-200M	1/2"	200 meters	Bulk
34-523-30M	1/2"	30 meters	Bulk
34-523-10M	1/2"	10 meters	Bulk
34-524-100M	3/4"	100 meters	Bulk
34-524-30M	3/4"	30 meters	Bulk
34-524-10M	3/4"	10 meters	Bulk
34-525-100M	7/8"	100 meters	Bulk
34-525-30M	7/8"	30 meters	Bulk
34-525-10M	7/8"	10 meters	Bulk
34-526-50M	1"	50 meters	Bulk
34-526-10M	1"	10 meters	Bulk


HOLE PLUGS

94V-2 black nylon hole plugs

34-612-0	for 3/8" hole	Bulk
34-612-50	for 3/8" hole	Pkg. 50
34-613-0	for 1/2" hole	Bulk
34-613-50	for 1/2" hole	Pkg. 50
34-614-0	for 5/8" hole	Bulk
34-614-50	for 5/8" hole	Pkg. 50
34-615-0	for 3/4" hole	Bulk
34-615-25	for 3/4" hole	Pkg. 25
34-616-0	for 7/8" hole	Bulk
34-616-25	for 7/8" hole	Pkg. 25
34-617-0	for 1" hole	Bulk
34-617-25	for 1" hole	Pkg. 25


SNAP-IN BUSHINGS

94V-2 black nylon snap-in bushings

34-622-0	for 3/8" hole	1/4" I.D.	Bulk
34-622-50	for 3/8" hole	1/4" I.D.	Pkg. 50
34-623-0	for 1/2" hole	5/16" I.D.	Bulk
34-623-50	for 1/2" hole	5/16" I.D.	Pkg. 50
34-624-0	for 5/8" hole	1/2" I.D.	Bulk
34-624-50	for 5/8" hole	1/2" I.D.	Pkg. 50
34-625-0	for 3/4" hole	9/16" I.D.	Bulk
34-625-25	for 3/4" hole	9/16" I.D.	Pkg. 25
34-626-0	for 7/8" hole	11/16" I.D.	Bulk
34-626-25	for 7/8" hole	11/16" I.D.	Pkg. 25
34-627-0	for 1" hole	3/4" I.D.	Bulk
34-627-25	for 1" hole	3/4" I.D.	Pkg. 25

STRAIN RELIEF BUSHINGS


94V-2 black nylon strain relief bushings

34-630-0	SPT-1 18/2 R/Angle .1" chassis	Bulk
34-632-0	SPT-1 18/2 .100" chassis	Bulk
34-632-50	SPT-1 18/2 .100" chassis	Pkg. 50
34-634-0	SVT 18/3 .100" chassis	Bulk
34-634-50	SVT 18/3 .100" chassis	Pkg. 50
34-635-0	SJT 18/3 .062" chassis	Bulk
34-635-25	SJT 18/3 .062" chassis	Pkg. 25

STRAIN RELIEF INSTALLATION TOOL


34-901-1 Pkg.

HEAT SHRINK TUBING ASSORTMENTS


120 Pieces Black Heat Shrink in a reusable plastic box. Contains: 60x1.5mm, 35x2mm, 25x3mm, 15x5mm, 10x6mm, 10x10mm - 100mm long. Shrink ratio 2:1

34-649-1 Pkg



110 6" pieces - 4 pieces of each color and size of 3/32", 1/8", 3/16", 1/4" and 3/8" + 2 piece of each color of 1/2". Packed in a durable plastic case.

34-650-1 Pkg



120 Pieces Colored Heat Shrink in a reusable plastic box. Contains: 30x2mm, 25x3mm, 25x4mm, 20x5mm, 10x6mm, 10x10mm - 100mm long. Shrink ratio 2:1

34-651-1 Pkg

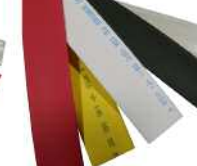


UL/CSA approved polyolefin tubing with 50% shrinkage. Available in five colors: Red, Black, White, Yellow and Clear. Attractive display package as well as assortments. 1 foot lengths.

34-652-10

34-653-10

34-654-10



34-655-10

34-656-10

34-657-10

34-652-10	3/32"	Assortment (2 pces each color)
34-653-10	1/8"	Assortment (2 pces each color)
34-654-10	3/16"	Assortment (2 pces each color)
34-655-10	1/4"	Assortment (2 pces each color)
34-656-10	3/8"	Assortment (2 pces each color)
34-657-10	1/2"	Assortment (2 pces each color)

Material:

Contact: Gold flash over nickel
Housing: PBT & glass-fiber UL94V-0

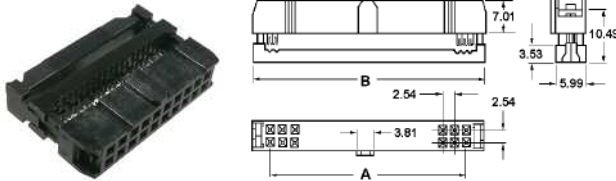
CONNECTOR SPECIFICATIONS

Electrical:

Contact res.: 15mΩ max.@1 Amp DC
Insulation res.: 1000MΩ min.@500VDC
Contact rating: 1 Amp

.100" RIBBON CONNECTOR

Suitable for .050" standard ribbon cable. Complete with cable strain reliefs. Standard with polarizing rib.



- 35-010-0 10-position *
- 35-014-0 14-position *
- 35-016-0 16-position *
- 35-020-0 20-position *
- 35-026-0 26-position *
- 35-034-0 34-position *
- 35-040-0 40-position *
- 35-050-0 50-position *

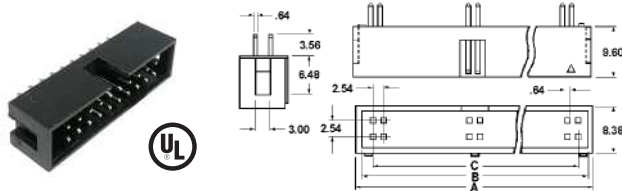
* Use -2 for Display Package



Pos	A	B
10	10.16	17.20
14	15.24	22.50
16	17.78	24.94
20	22.86	30.08
26	30.48	37.58
34	40.64	47.80
40	48.26	50.42
50	60.96	68.28

PC BOX CONNECTOR

Vertical PC mount connectors mate with connectors above.

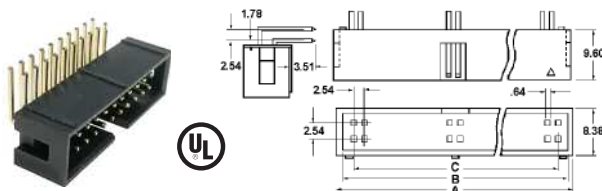


- 35-510-0 10-position
- 35-514-0 14-position
- 35-516-0 16-position
- 35-520-0 20-position
- 35-524-0 24-position
- 35-526-0 26-position
- 35-534-0 34-position
- 35-540-0 40-position
- 35-550-0 50-position

Pos	A	B	C
10	20.29	18.11	10.16
14	25.37	23.19	15.24
16	27.91	25.73	17.78
20	32.99	30.81	22.86
24	38.07	35.89	27.94
26	40.61	38.43	30.48
34	50.77	48.59	40.64
40	58.39	56.21	48.26
50	71.09	68.91	60.96

RIGHT ANGLE PC BOX CONNECTOR

Right angle PC connectors mate with connectors type 35-0xx

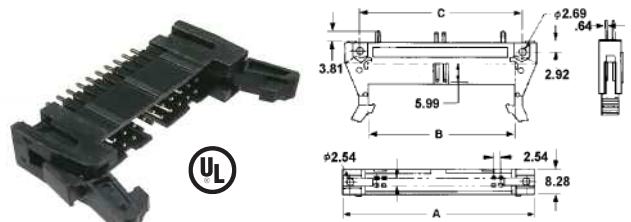


- 35-610-0 10-position
- 35-614-0 14-position
- 35-616-0 16-position
- 35-620-0 20-position
- 35-640-0 40-position

Pos	A	B	C
10	20.29	18.11	10.16
14	25.37	23.19	15.24
16	27.91	25.73	17.78
20	32.99	30.81	22.86
40	58.39	56.21	48.26

PC BOX CONNECTORS (with ejectors)

Vertical PC mount connectors with ejector latch. Suitable for .050" standard ribbon cable.



35-710-0 10-position

Pos	A	B	C
10	32.00	17.96	21.59



SHUNTS



Short Shunt
(open type)



Long
Handle
Shunt

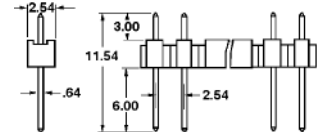
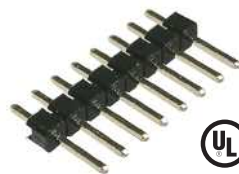
36-100-0 Bulk
36-100-50 Pkg (50)

36-101-0 Black
36-102-0 Red

.100" PC HEADERS

Breakaway headers. 40 and 80 position standard. Available in other sizes as special order. Gold plated.

SINGLE ROW HEADERS

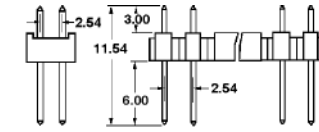


40-position single row.
Gold Plated

36-140G-0 Bulk

36-140G-2 Pkg (2)

DOUBLE ROW HEADERS

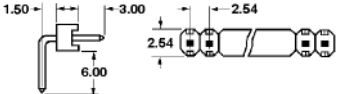


Double row (2 x 40 position)
Gold plated.

36-280G-0 Bulk

36-280G-1 Pkg

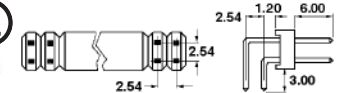
R/A SINGLE ROW HEADERS



Available in other sizes.
Gold plated.
40-position right angle

36-340G-0 Bulk

R/A DOUBLE ROW HEADERS



Available in other sizes.
Gold plated.
Double right angle (2 x 40-position)

36-480G-0 Bulk

36-480G-1 Pkg



RIBBON CABLE

08-1410-100	10-conductor
08-1414-100	14-conductor
08-1416-100	16-conductor
08-1420-100	20-conductor
08-1425-100	25-conductor
08-1426-100	26-conductor
08-1434-100	34-conductor
08-1440-100	40-conductor
08-1450-100	50-conductor

Grey jacket 28 AWG stranded .050" ribbon cable. Available in 100' spools only. Rated 300V 105 degrees C. UL and CSA listed.

RIBBON CABLE CUTTER



Precision ground.

84-404-1 Pkg.

.062" CONTACT CONNECTORS



Plug

5A @ 250V



Receptacle

Plug	Receptacle	Package	Contacts
37-002-0	37-102-0	37-202-2	2
37-003-0	37-103-0	37-203-2	3
37-004-0	37-104-0	37-204-1	4
37-005-0	37-105-0	37-205-1	5
37-006-0	37-106-0	37-206-1	6
37-009-0			9
37-012-0	37-112-0	37-212-1	12

Package contains 1 or 2 plugs, receptacles and contacts

.093" CONTACT CONNECTORS



Plug

Receptacle

250V



Plug	Receptacle	Package	Cont.
37-302-0	37-402-0	37-502-2	2 12A
37-303-0	37-403-0	37-503-1	3 12A
37-304-0	37-404-0	37-504-1	4 9A
37-306-0	37-406-0	37-506-1	6 9A
37-309-0	37-409-0	37-509-1	9 9A
37-312-0	37-412-0	37-512-1	12 7.5A

Package contains 1 or 2 plugs, receptacles and contacts

.062" CONTACTS



37-910-0
Female contacts 20-24 AWG

37-900-0
Male contacts 20-24 AWG

.093" CONTACTS



37-940-0
Female contacts 18-22 AWG

37-930-0
Male contacts 18-22 AWG



EXTRACTION TOOLS

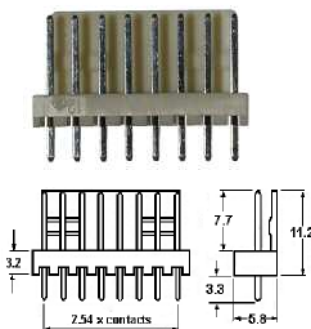
37-950-1 Pkg.
Extraction tool for .093" terminals. (37-930-0, 37-940-0)

37-951-1 Pkg.
Extraction tool for .062" terminals. (37-900-0, 37-910-0)

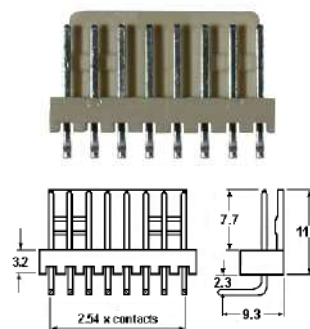
.100" PC HEADERS

Straight PC headers for 37-60X series. .64mm PC posts.

Right angle PC headers for 37-60X series. .64mm PC posts.

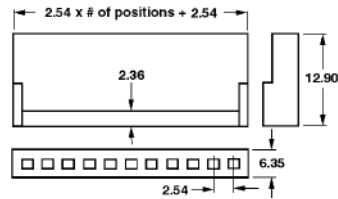


Pos	Bulk	Pkg.
2	37-6202-0	-6
3	37-6203-0	-5
4	37-6204-0	-5
5	37-6205-0	-4
6	37-6206-0	-3
8	37-6208-0	-2



Pos	Bulk	Pkg.
2	37-6302-0	-5
3	37-6303-0	-4
4	37-6304-0	-3
5	37-6305-0	-2
6	37-6306-0	-2
8	37-6308-0	-2

.100" WIRE CONNECTORS



Pos	Bulk	Pkg.
2	37-602-0	-5
3	37-603-0	-5
4	37-604-0	-4
5	37-605-0	-3
6	37-606-0	-3
8	37-608-0	-2
9	37-609-0	-2

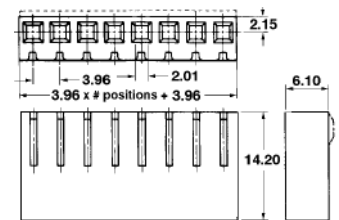
Each package includes contacts.
-5 is 5 connectors + contacts.

.100" WIRE CONTACTS



37-960-0
Bulk 22-28
AWG contacts

.156" WIRE CONNECTORS



Package contains connectors
and contacts.

Pos	Bulk	Pkg.
2	37-702-0	-5
4	37-704-0	-5
6	37-706-0	-3
8	37-708-0	-2

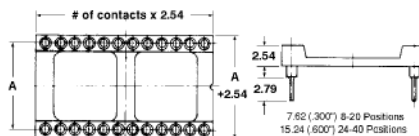
.156" WIRE CONTACTS



37-970-0 Bulk
18-22AWG wire

MACHINED CONTACT I.C. SOCKETS

94V-0 PBT insulator 15 micro inch gold plated contact area.



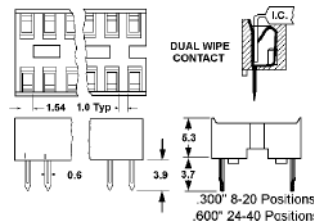
Pos.	Bulk	Pkg.
8-pos.	39-108-0	-3
14-pos.	39-114-0	-2
16-pos.	39-116-0	-2
40-pos.	39-140-0	-1



DUAL WIPE STANDARD I.C. SOCKETS



30% glass filled polyester
UL94V-0 insulator. Contacts:
phosphor bronze with 50
microinches hot tin dip.

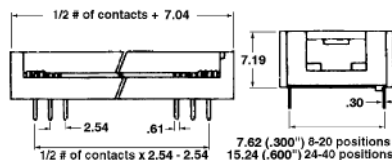


Pos.	Bulk	Pkg.
8-pos.	39-008-0	-10
14-pos.	39-014-0	-6
16-pos.	39-016-0	-5
18-pos.	39-018-0	-4
20-pos.	39-020-0	-4
28-pos.	39-028-0	-3
40-pos.	39-040-0	-2



DIP RIBBON CONNECTORS

UL94V-0 40% glass fibre PBT, 10 micro inches gold plating.

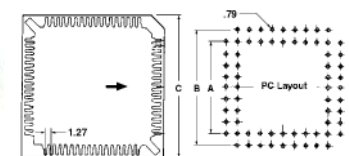


Pos.	Bulk
14-pos.	39-214-0
20-pos.	39-220-0



PLCC SOCKETS

94V-0 glass filled thermoplastic, tin plated contacts.



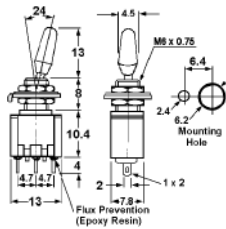
Pos	A	B	C
68	.800	1.000	1.26

Pos.	Bulk	Pkg.
68-pos.	39-368-0	-1

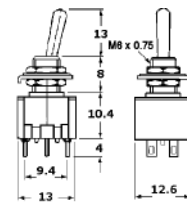
See the tool section starting on Page 85 for crimp tools and insertion/extraction tools for the crimp contacts shown on this page.

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<http://www.mode-elec.com>

HIGH CURRENT TOGGLE SWITCHES 10 Amps @ 125VAC



41-210-0 SPST on-off
41-213-0 SPDT on-on
41-223-0 DPDT on-on
Use -1 for Display Package



ECONOMY SUB-MINIATURE TOGGLE SWITCHES

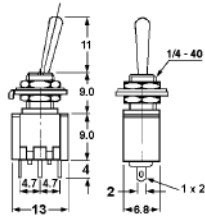
41-230A-0 SPST on-off
41-233A-0 SPDT on-on
41-234-0 SPDT on-(on)
41-235-0 SPDT on-off-on
41-236-0 SPDT on-off-(on)
41-237-0 SPDT (on)-off-(on)

5 A @ 125VAC

41-243A-0 DPDT on-on
41-247-0 DPDT (on)-off-(on)
Use -1 for Display Package

() Denotes momentary contact

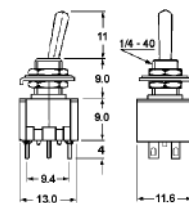
Use -1 for Display Package



1 Pole



2 Pole



UL/CSA APPROVED ECONOMY SUB-MINIATURE TOGGLE SWITCHES

41-233T-0 SPDT on-on
41-234T-0 SPDT on-(on)
41-235T-0 SPDT on-off-on
41-236T-0 SPDT on-off-(on)
41-237T-0 SPDT (on)-off-(on)

5A @ 125VAC or 28VDC

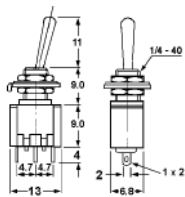
41-243T-0 DPDT on-on
41-245T-0 DPDT on-off-on
41-247T-0 DPDT (on)-off-(on)

Use -1 for Display Package



() Denotes momentary contact

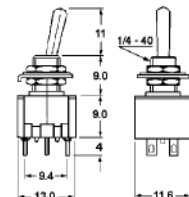
Use -1 for Display Package



1 Pole



2 Pole



P.C. MOUNT SUB-MINIATURE TOGGLE SWITCHES

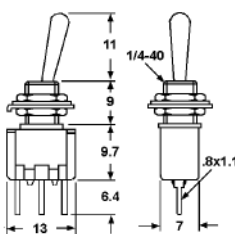
41-263-0 * SPDT on-on
41-265-0 SPDT on-off-on
Use -1 for Display Package

ECONOMY P.C. MOUNT

41-273-0 DPDT on-on
Use -1 for Display Package

5A @ 125VAC

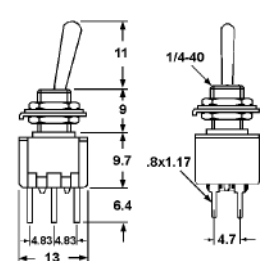
6A @ 125VAC *



1 Pole



2-Pole





UL/CSA P.C. MOUNT
5A @ 125VAC or 28VDC

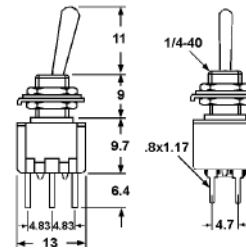


41-275T-0 DPDT on-off-on

Use -1 for Display Package



2-Pole



STANDARD SUB-MINIATURE SWITCHES 6 Amps @ 125VAC

41-230-0 SPST on-off
41-233-0 SPDT on-on
41-235B-0 SPDT on-off-on
41-237B-0 SPDT (on)-off-(on)
41-243-0 DPDT on-on

CSA
UL/CSA
CSA
UL/CSA



41-245-0 DPDT on-off-on
41-251-0 3PDT on-on
41-252-0 3PDT on-off-on
41-253-0 4PDT on-on
41-255-0 4PDT on-off-on

CSA

Use -1 for Display Package

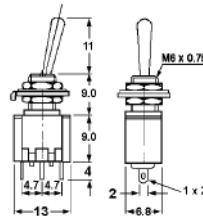
Use -1 for Display Package

() Denotes momentary contact

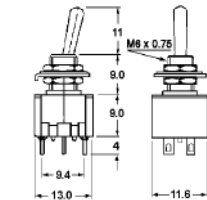
As noted



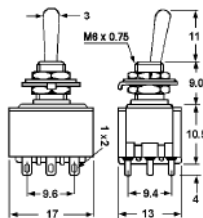
1 Pole



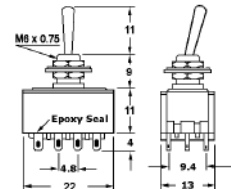
2 pole



3 pole

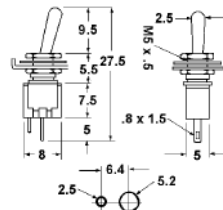


4 pole



ULTRA MINIATURE TOGGLE SWITCHES

3A @ 125VAC



Single Pole

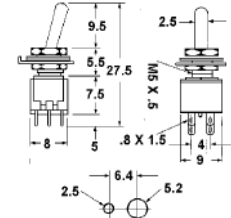


41-310-0 SPST on-off
41-313-0 SPDT on-on
41-323-0 DPDT on-on

Use -1 for Display Package



Double Pole



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<http://www.mode-elec.com>

COLORED VINYL CAPS

For Sub-Miniature Toggle Switches



41-901-0 Black
41-902-0 Red
41-909-0 White

WATERPROOF BOOTS

M6.3 (1/4-40) size for UNC thread switches -M6 for metric switches.



41-899-0 M6.3 x .635 thread
41-899-3 Package (3)
41-900-0 M6 x 0.75 thread
41-900-3 Package (3)

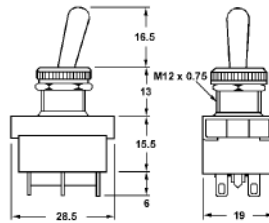
WATERPROOF BOOTS

Premium 1/4-40 waterproof boot.



41-900T-0 1/4-40 thread
41-900T-3 Package (3)

STANDARD TOGGLE SWITCHES

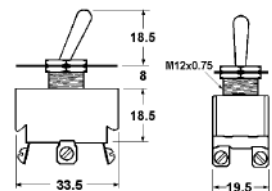


10 amp @ 125VAC (6 amp @ 250VAC)
Solder terminals and dress panel nut.

42-115-0 SPDT on-off-on
Use -1 for Display Package



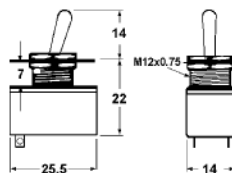
6A @ 125V



42-225-0 DPDT on-off-on
42-225-1 Display Package



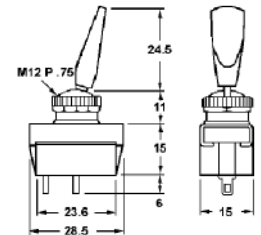
MAX
4A @ 125V
2A @ 250V



42-210-0 SPST on-off
42-210-1 Display Package



10A @ 125V
6A @ 250V

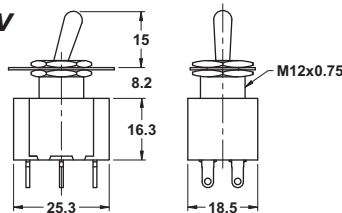


Black plastic bat handle. Solder terminals.

42-310-0 SPST on-off
42-310-1 Display Package



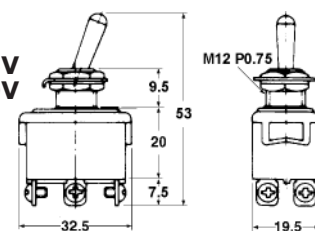
6A @ 125V



42-223-0 DPDT on-on
42-223-1 Display Package



15A @ 125V
10A @ 250V



Screw terminals

42-413-0 SPDT on-on
42-415-0 SPDT on-off-on
42-423-0 DPDT on-on
42-425-0 DPDT on-off-on
Use -1 for Display Package

SWITCH ACCESSORIES

WATERPROOF BOOTS



42-900T-0 Bulk
42-900T-1 Pkg.

For M12
P0.75
thread

SWITCH PLATE



On-off switchplate
for M12 barrel

42-901-0 Bulk

RED TOGGLE GUARD



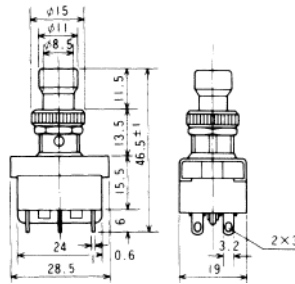
Safety Cover for
toggle switch.
12mm mounting size.

42-903-0 Bulk
42-903-1 Pkg.

**MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com**

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<http://www.mode-elec.com>***

PUSHBUTTON SWITCHES

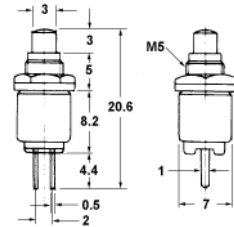
Alternate Action

6 Amp @ 250VAC (10 Amp @ 125VAC) with chrome button.

44-123-0 DPDT on-on
Use -1 for Display Package

Bulk



Ultra-miniature push button switch


.5A @ 125VAC


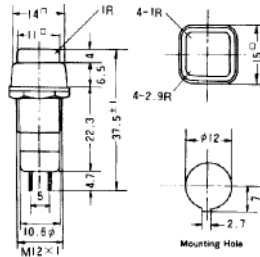
() Denotes momentary contact

44-541-0 SPST off-(on) N/O
44-542-0 SPST off-(on) N/O
 Use -1 for Display Package

 black button
red button

3A @ 125VAC

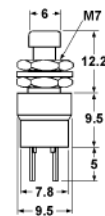
() Denotes momentary contact


44-480-0 SPST off-(on) N/O red button
44-481-0 SPST off-(on) N/O black button
44-482-0 SPST off-on red button
44-483-0 SPST on-(off) N/C red button

Use -1 for Display Package


1 A @ 125VAC

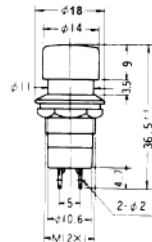
() Denotes momentary contact


44-551-0 SPST off-(on) N/O black button
44-552-0 SPST off-(on) N/O red button
44-553-0 SPST on-(off) N/C black button
44-554-0 SPST on-(off) N/C red button

Use -1 for Display Package


3A @ 125VAC 12mm mounting hole

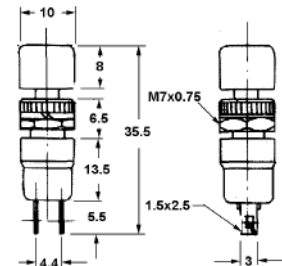
() Denotes momentary contact


44-490-0 SPST off-on black button
44-491-0 SPST off-(on) N/O red button
44-492-0 SPST off-(on) N/O black button
44-493-0 SPST off-on red button

Use -1 for Display Package


1 A @ 125VAC

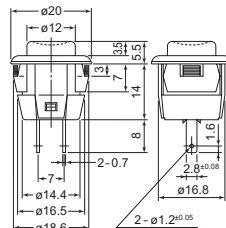

() Denotes momentary contact


44-571-0 SPST on-(off) N/C black button
44-572-0 SPST off-(on) N/O red button
44-573-0 SPST off-(on) N/O black button

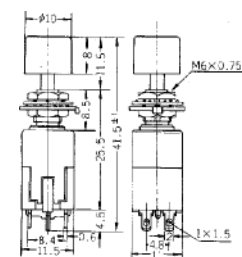
Use -1 for Display Package


3A @ 125VAC
 17.8±0.1mm mounting hole snap-in mounting.
 Replacements for 44-530-0, 44-531-0 and 44-532-0.


() Denotes momentary contact


44-530N-0 SPST off-(on) N/O white button
44-531N-0 SPST off-(on) N/O black button
44-532N-0 SPST off-(on) N/O red button

Use -1 for Display Package


6A @ 125VAC

44-611-0 DPDT on-on black button
44-622-0 SPDT on-on red button

Use -1 for Display Package

Visit our Web Site at
<http://www.mode-elec.com>



COUPLER

This coupler locks onto the actuator and is used for mounting the switch modules and the lamp module.

44-700-0 Bulk



N/O SWITCH

Normally open switch module has the following CSA/UL ratings:
6.0A/120VAC 2.2A/120VDC 1.2A/600VDC
3.0A/240VAC 1.1A/240VDC
1.5A/480VAC 0.4A/480VDC

44-701-0 Bulk



N/C SWITCH

Normally closed switch module has the following CSA/UL ratings:
6.0A/120VAC 2.2A/120VDC 1.2A/600VDC
3.0A/240VAC 1.1A/240VDC
1.5A/480VAC 0.4A/480VDC

44-702-0 Bulk



LAMP MODULE

This module is used with any lit style actuator and will accommodate a T 3 1/4 bayonet base incandescent or LED lamp.

44-703-0 Bulk

ACTUATORS (NO LIGHT)



Unlit momentary contact flush button (22mm dia.) actuator available in red and green.

44-705R-0 Red
44-705G-0 Green



Unlit momentary contact raised button actuator with separate red, green and yellow caps (22mm dia.). Waterproof.

44-706-0 Actuator only
44-706R-0 Red cap
44-706G-0 Green cap
44-706Y-0 Yellow cap



Unlit momentary contact actuator with a 40mm diameter red button.

44-708R-0 Bulk



Unlit panic stop actuator - 36mm locking button - must twist the black ring behind the red button to release.

44-710R-0 Bulk



Red lever actuator: 3-position lever actuator. Left or right position can activate either a normally open or normally closed switch. Center position off.

44-730-0 3-position lever
44-729-0 2-position lever



Key actuator: 3-position key actuator. Left or right position can activate either a normally open or normally closed switch. Center position off.

44-740-0 Bulk

ACTUATORS (LIGHTED by 44-703-0)



Lighted momentary contact flush button (22mm dia.) available in red and green.

44-720R-0 Red
44-720G-0 Green



Lighted momentary contact raised button actuator with separate red, green and yellow caps (22mm dia.). Waterproof.

44-706-0 Actuator only
44-721R-0 Red cap
44-721G-0 Green cap
44-721Y-0 Yellow cap



Lighted momentary contact raised button actuator with separate red, green and yellow caps (40mm dia.). Waterproof.

44-706-0 Actuator only
44-714R-0 Red cap
44-714G-0 Green cap
44-714Y-0 Yellow cap



Lighted alternate action flush button (22mm dia.) actuator (available in red with white circle only).

44-725R-0 Bulk

All switch actuators conform to IP65 rating (Ingress Protection Rating) - they are dust tight and water tight.



Lighted alternate action 36mm large button actuator available with separate red and green caps.

44-727-0 Actuator only
44-727R-0 Red cap
44-727G-0 Green cap

All these items when used as an assembly are UL, CSA, TUV and CE approved.

PILOT LAMPS

Pilot lamps that go with the 44-700-0 Coupler and 44-703-0 Lamp Module.



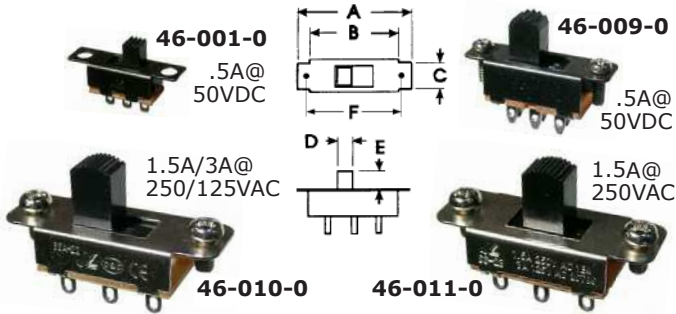
44-740G-0 Green Flat Lens (29mm dia.)
44-740R-0 Red Flat Lens (29mm dia.)
44-740Y-0 Yellow Flat Lens (29mm dia.)



44-741G-0 Green Tapered Lens (22.5mm dia.)
44-741R-0 Red Tapered Lens (22.5mm dia.)
44-741Y-0 Yellow Tapered Lens (22.5mm dia.)



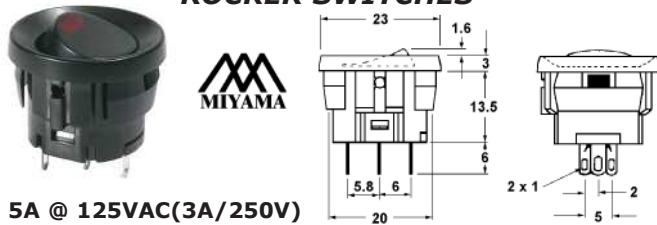
44-742G-0 Green Lens (29.6mm dia.)
44-742R-0 Red Lens (29.6mm dia.)
44-742Y-0 Yellow Lens (29.6mm dia.)

SLIDE SWITCHES


Dimensions are in mm.

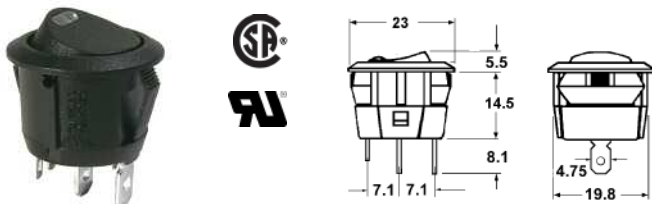
Bulk Part #	Poles	Switch	A	B	C	D	E	F
46-001-0	SPDT	on-on	19.5	11.5	4.8	2.9	4	15
46-009-0	DPDT	on-on	23.3	15.6	6.3	4.9	7	19
46-010-0	DPDT	on-on	35	22.3	11	6.6	10	28.5
46-011-0	DPDT	on-off-on	35	22.3	11	6.6	10	28.5

Use -2 for Display Package

ROCKER SWITCHES


Single hole snap-in mount with LED indicator.
LED requires 20mA DC external limit resistor.
See Page 50 to determine suitable resistor value.

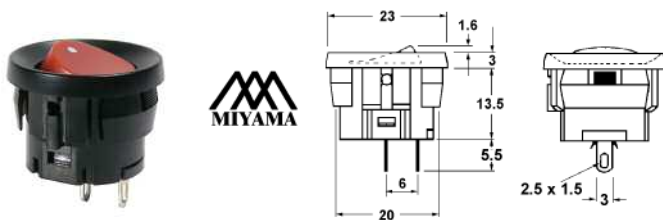
- 46-102-0** SPST on-off black button red LED
46-103-0 SPST on-off black button green LED
46-104-0 SPST on-off black button yellow LED
 Use -1 for Display Package



16A @ 125VAC(10A/250V)

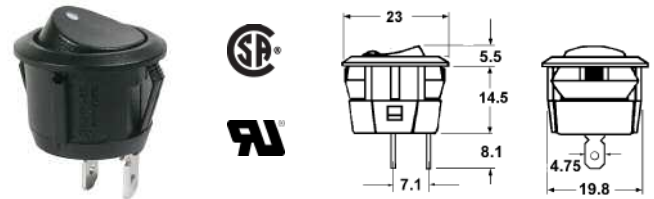
Single hole snap-in mount with LED indicator.
LED requires 20mA DC external limit resistor.
See Page 50 to determine suitable resistor value.

- 46-102J-0** SPST on-off black button red LED
 Use -1 for Display Package



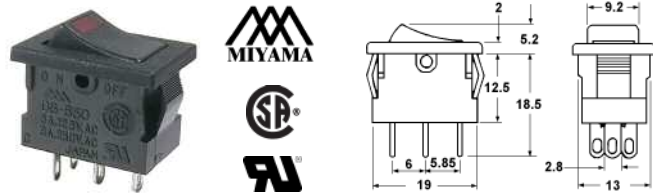
Single hole snap-in mount. **5A @ 125VAC (3A @ 250VAC)**

- 46-100-0** SPST on-off black button white dot
46-101-0 SPST on-off red button white dot
 Use -1 for Display Package



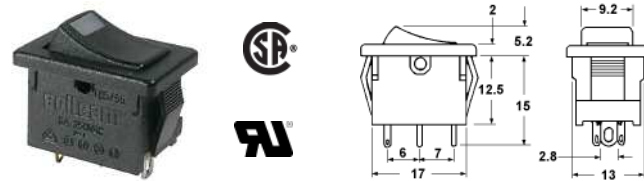
Single hole snap-in mount. **16A @ 125VAC (10A @ 250VAC)**

- 46-100J-0** SPST on-off black button white dot
 Use -1 for Display Package



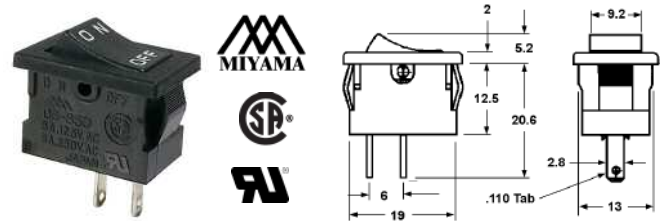
Snap-in mounting **5A @ 125VAC(3A/250V).**
LED requires 20mA DC external limit resistor.

- 46-140-0** SPST on-off red LED indicator
 Use -1 for Display Package



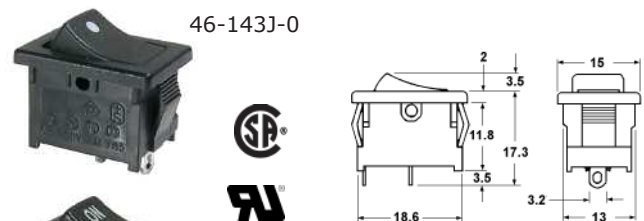
Snap-in mounting **10A @ 125VAC(6A/250V).**
LED requires 20mA DC external limit resistor.

- 46-140J-0** SPST on-off red LED indicator
 Use -1 for Display Package



Snap-in mounting **5A @ 125VAC (3A/250V).**
Available with white dot or ON-OFF markings.

- 46-143-0** SPST on-off black button white dot
46-144-0 SPST on-off black button ON-OFF
 Use -1 for Display Package



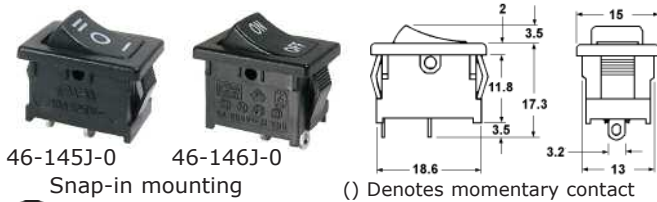
Snap-in mounting

10A @ 125VAC/ (6A/250V)



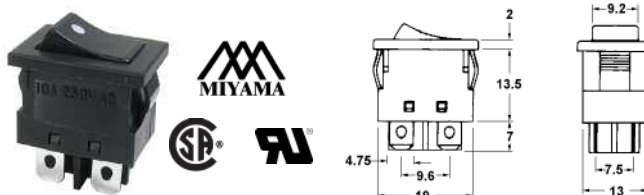
- 46-143J-0** SPST on-off black button white dot
46-144J-0 SPST on-off black button ON-OFF
 Use -1 for Display Package

ROCKER & MISC. SWITCHES



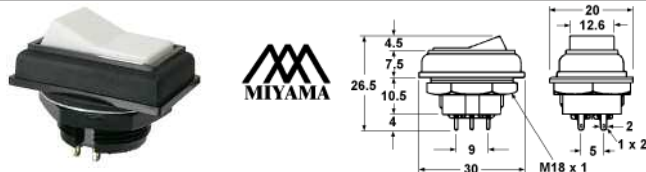
46-145J-0 46-146J-0
Snap-in mounting () Denotes momentary contact

46-145J-0 SPDT on-off-on black Int. Symbol
46-146J-0 SPST (on)-off black button ON-OFF
Use -1 for Display Package



Snap-in mounting **10A @ 250VAC**

46-150-0 DPST on-off black button white dot
46-151-0 DPST on-off black button ON-OFF
Use -1 for Display Package



Round 18mm diameter mounting hole **6A @ 125VAC**

46-170-0 SPST on-off white button
46-183-0 DPDT on-on white button
Use -1 for Display Package



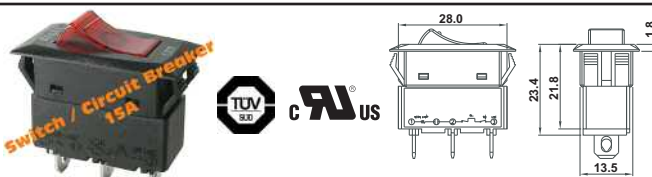
Snap-in mounting with neon indicator. **15A @ 125VAC.**
Mtg. hole: 30.2 x 14.2mm

46-190-0 SPST on-off amber rocker
46-192-0 SPST on-off red rocker
Use -1 for Display Package



Snap-in mounting with neon indicator. **15A @ 125VAC.**
Mtg. hole: 29 x 13mm

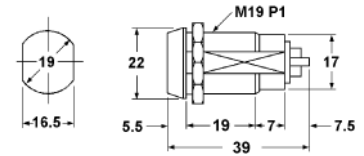
46-192J-0 SPST on-off red rocker
Use -1 for Display Package



Snap-in mounting circuit breaker/switch (SPST) with neon indicator. **7-16A @ 125/250VAC.**
Mtg. hole: 30.2 x 14.2mm

46-195-0 Bulk **46-195-1** Pkg

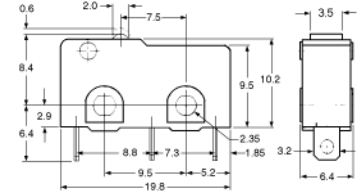
KEY SWITCHES



SPST Key removable in either position.
4 A @ 125VAC

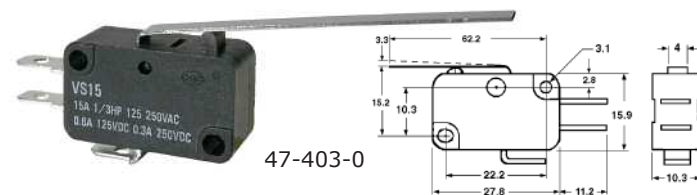
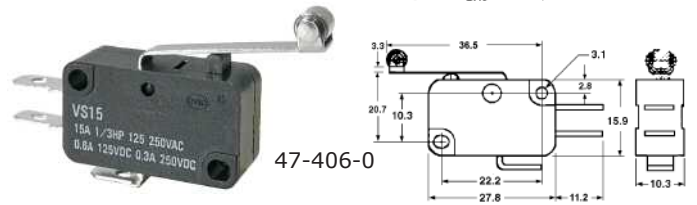
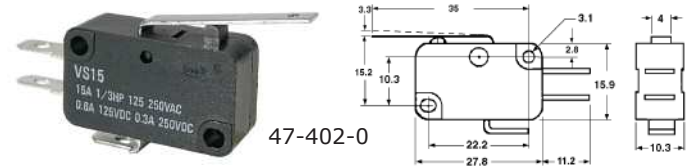
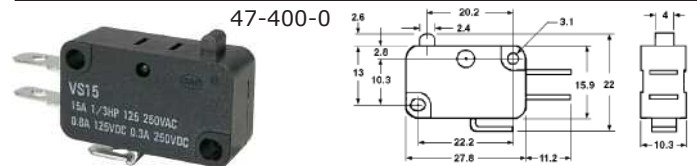
47-282-0 Bulk **assorted keys**
47-282-1 Pkg **assorted keys**
47-282K-0 Bulk **same key**
47-282-KEY Blank Key

MICRO SWITCHES



5A @ 125VAC (3A/250V) N/O and N/C contacts.
Life: 200,000 operations (full load)
Contact resistance: 30mΩ maximum
Insulation resistance: 100MΩ min. (500VDC)
Dielectric strength: 1000VAC for 1 minute

47-300-0 Bulk **47-300-1** Package



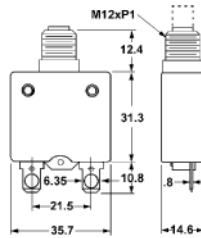
15A @ 125VAC or 250VAC

Contact resistance: 15mΩ maximum (initial)
Insulation resistance: 100MΩ min. (@ 500VDC)
Dielectric strength: 1,000VAC for 1 minute
Service life mechanical: 10,000,000 operations
Service life electrical: 100,000 operations (full load)
Operating temperature: -20°C to 75°C

All have .187" faston terminals and N/O and N/C terminals.

47-400-0 No actuator
47-402-0 27.5mm actuator
47-403-0 54.1mm actuator
47-406-0 25.9mm roller actuator
Use -1 for Display Package

CIRCUIT BREAKERS

**125VAC
50VDC**

47-503-0
47-505-0
47-515-0

 3A
5A
15A

47-520-0
47-530-0

 20A
30A

Use -1 for Display Package

MAGNETIC SWITCHES


Magnetic reed switch for security alarms. Has normally open and normally closed switch contacts. Screw terminals. 30VDC@250ma

47-600-0
47-600-1

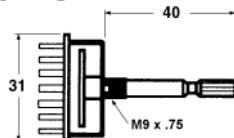
 Bulk
Pkg.

FOOT SWITCHES


- Cast alum. base and guard
- 15Amps @250VAC
- 1 N/C and 1 N/O
- Cable gland included

47-620-0

Bulk

ROTARY SWITCHES


.3 A @ 30VDC non-shorting. Knurled shaft with split.

48-514-0

4 pole 3 position

Use -1 for Display Package

RELAYS
AUTOMOTIVE RELAYS

 Coil Resistance: 90 Ω $\pm$ 8%
Rated Current: 40A@12VDC

50-835H-0 SPST 12VDC

 Coil Resistance: 90 Ω $\pm$ 8%
Rated Current: 30A@12VDC

50-836H-0 SPDT 12VDC

Use -1 for Display Package

 Coil Resistance: 360 Ω $\pm$ 8%
Rated Current: 20A@24VDC

50-837H-0 SPST 24VDC


Socket Housing for Auto Relays

c/w 5 terminals

50-920-0

 Auto Relay Socket
Use -1 for Display Package


Socket for 50-06x and 50-09x relays shown below. Comes with relay hold down spring cup.

50-901-0

 DPDT PC Mount
Use -1 for Display Package

Socket for 50-06x and 50-09x relays shown below.



50-911-0

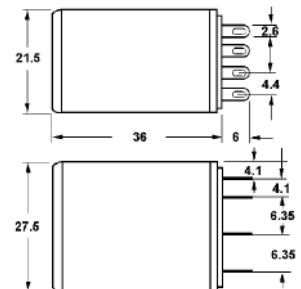


50-912-0

50-911-0
50-912-0

 DPDT Screw Term.
4PDT Screw Term.

Use -1 for Display Package

DPDT & 4PDT 5 AMP RELAYS


Contact Resistance:	50m Ω max.
Operate Time:	25ms max.
Release Time:	25ms max.
Insulation Resistance:	100M Ω min.
Mechanical Life:	10M cycles
Electrical Life:	100K cycles
Resistive Load:	5A@28VDC or 250VAC

Part Number	Circuitry	Oper. Volt.	Coil Res.
50-063-0	DPDT	12VDC	160 Ω
50-064-0	DPDT	24VDC	650 Ω
50-093-0	4PDT	12VDC	160 Ω
50-094-0	4PDT	24VDC	650 Ω

Use -1 for Display Package

Visit our Web Site at
<http://www.mode-elec.com>



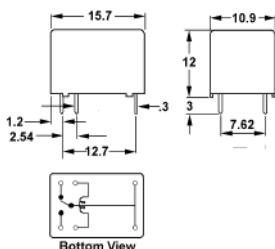
Octal Socket for 50-13x and 50-16x shown above.

50-910-0 Octal Socket
Use -1 for Display Package

3 AMP PC RELAYS



CU US



Contact Resistance: 100mΩ max.
Operate Time: 10ms max.
Release Time: 5ms max.
Insulation Resistance: 100MΩ min.
Mechanical Life: 10M cycles
Electrical Life: 500K cycles
Resistive Load: 3A@28VDC or 120VAC

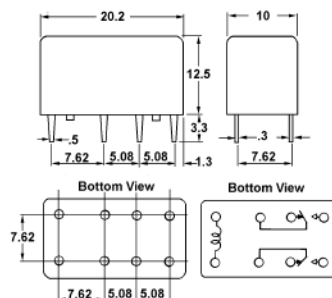
Part Number	Circuitry	Oper. Volt.	Coil Res.
50-333-0	SPDT	12VDC	700 Ω

Use -1 for Display Package

1 AMP PC RELAYS (16-PIN DIP)



CU US



Contact Resistance: 50mΩ max.
Operate Time: 10ms max.
Release Time: 4ms max.
Insulation Resistance: 100MΩ min.
Mechanical Life: 100M cycles
Electrical Life: 100K cycles
Resistive Load: 1A@30VDC or .3A@125VAC

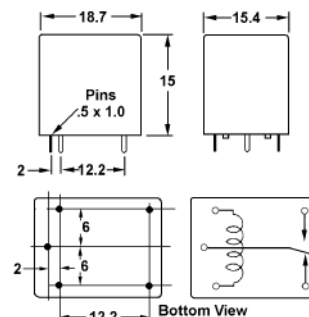
Part Number	Circuitry	Oper. Volt.	Coil Res.
50-430-0	2C	5VDC	125 Ω
50-433-0	2C	12VDC	720 Ω

Use -1 for Display Package

10 AMP PC RELAYS



CU US



Contact Resistance: 100mΩ max.
Operate Time: 8ms max.
Release Time: 5ms max.
Insulation Resistance: 100MΩ min.
Mechanical Life: 10M cycles
Electrical Life: 100K cycles
Resistive Load: 10A@28VDC or 10A@125VAC
Inductive Load: 3A@28VDC or 3A@125VAC

Part Number	Circuitry	Oper. Volt.	Coil Res.
50-530-0	SPDT	5VDC	70 Ω
50-533-0	SPDT	12VDC	400 Ω

Use -1 for Display Package

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

Visit our Web Site at
<http://www.mode-elec.com>

PLASTIC PROJECT BOXES



Black plastic project boxes.

Outside dimensions shown



Inside dimensions shown

53-520-0 82L x 54W x 31H (plastic cover)
53-522-0 83L x 54W x 30H (alum. cover)
Use -1 for Display Package

53-541-0 99L x 49W x 40H grey ABS plastic
53-551-0 125L x 60W x 40H grey ABS plastic
53-571-0 145L x 85W x 50H grey ABS plastic
53-581-0 180L x 110W x 60H grey ABS plastic
Use -1 for Display Package

Light grey ABS (UL94HB) project boxes. Self tapping screws included



53-530H-0 100L x 50W x 25H grey ABS plastic
53-535H-0 112L x 62W x 31H grey ABS plastic
53-551H-0 120L x 65W x 40H grey ABS plastic
53-571H-0 150L x 80W x 50H grey ABS plastic
53-581H-0 191L x 110W x 61H grey ABS plastic
Use -1 for Display Package

POLYPROPYLENE BOXES



6 comp.
Dimensions [mm]:
275 x 182 x 40

53-916-0 Bulk



18 comp.
Dimensions [mm]:
275 x 182 x 40

53-918-0 Bulk

KNOBS



54-122-0



54-218-0



54-217-0



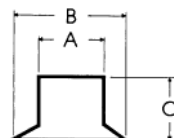
54-228-0



54-227-0

Part Number	A	B	C	Shaft
54-122-0	15mm	15mm	12mm	6.35mm
54-217-0	18mm	23mm	15mm	6.35mm
54-218-0	27mm	33mm	17mm	6.35mm
54-227-0	19mm	25mm	15mm	6.35mm
54-228-0	26mm	32mm	15mm	6.35mm
54-232-0	16mm	20mm	12mm	6.35mm
54-234-0	24mm	27mm	16mm	6.35mm
54-278-0	23mm	37mm	15mm	6.35mm
54-279-0	23mm	37mm	15mm	6.35mm
54-374-0	30mm	Pointer Knob		6.35mm

Use -2 for Display Package 6.35mm = 1/4"



Dimension Drawing



54-232-0



54-234-0



54-278-0



54-279-0



54-374-0

METRIC HARDWARE



The attractive clear plastic re-usable display packs. Packs contain 100 pieces are designated with -100 after the part number. For example 54-400-100 specifies a display package of 100. Bulk hardware is only available in 1000 pieces or more.



Nickel plated round phillips head bolts

2mm	2.6mm	3mm	4mm	Length
54-400-0 54-400-100	54-410-0 54-410-100	54-420-0 54-420-100	54-430-0 54-430-100	6mm
54-401-0 54-401-100	54-411-0 54-411-100	54-421-0 54-421-100	54-431-0 54-431-100	8mm
54-402-0 54-402-100	54-412-0 54-412-100	54-422-0 54-422-100	54-432-0 54-432-100	10mm
54-403-0 54-403-100	54-413-0 54-413-100	54-423-0 54-423-100	54-433-0 54-433-100	12mm
	54-414-0 54-414-100	54-424-0 54-424-100	54-434-0 54-434-100	14mm
54-405-0 54-405-100	54-415-0 54-415-100	54-425-0 54-425-100	54-435-0 54-435-100	16mm



Nickel plated nuts

2mm	2.6mm	3mm	4mm
54-406-0 54-406-100	54-416-0 54-416-100	54-426-0 54-426-100	54-436-0 54-436-100



Nickel plated flat washers

2mm	2.6mm	3mm	4mm
54-407-0 54-407-100	54-417-0 54-417-100	54-427-0 54-427-100	54-437-0 54-437-100



Nickel plated split and internal star lockwashers

2mm	2.6mm	3mm	4mm	Type
54-408-0 54-408-100	54-418-0 54-418-100	54-428-0 54-428-100	54-438-0 54-438-100	Int. Star
54-409-0 54-409-100	54-419-0 54-419-100	54-429-0 54-429-100	54-439-0 54-439-100	Split



54-444-1

METRIC HARDWARE KITS

54-440-1 2mm Hardware Kit

Contains: 180 pieces of assorted 2mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-441-1 2.6mm Hardware Kit

Contains: 180 pieces of assorted 2.6mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-442-1 3mm Hardware Kit

Contains: 180 pieces of assorted 3mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-443-1 4mm Hardware Kit

Contains: 140 pieces of assorted 4mm bolts, nuts, flat washers and lockwashers. Bolts provided are 6, 8, 10 and 12mm lengths. In a clear polystyrene compartmented box. (not shown).

54-444-1. Comprehensive hardware assortment.

Contains: 1200 assorted pieces of 2, 2.6 and 3mm hardware in a durable 18 compartment polypropylene box (53-918-0).

ENGLISH/METRIC CONVERSIONS

LENGTH

Inch	X	25.40	=	Millimeters
Millimeters	X	0.03937	=	Inches
Feet	X	0.3048	=	Meters
Meters	X	3.281	=	Feet
Miles	X	1.609	=	Kilometers
Kilometers	X	0.6214	=	Miles

UNC Hardware on next page.


UNC HARDWARE

The attractive clear plastic re-usable display packs. Packs contain 100 pieces are designated with **-100** after the part number. For example 54-400-100 specifies a display package of 100. Bulk hardware is only available in 1000 pieces or more.



Nickel plated
round phillips
head bolts

2-56	4-40	6-32	8-32	10-32	Length
54-510-0 54-510-100	54-520-0 54-520-100	54-530-0 54-530-100	54-540-0 54-540-100		1/4"
		54-531-0 54-531-100	54-541-0 54-541-100		3/8"
54-512-0 54-512-100	54-522-0 54-522-100	54-532-0 54-532-100	54-542-0 54-542-100	54-552-0 54-552-100	1/2"
		54-533-0 54-533-100			5/8"
	54-524-0 54-524-100	54-534-0 54-534-100	54-544-0 54-544-100	54-554-0 54-554-100	3/4"



Nickel plated
nuts

#2	#4	#6	#8	#10
54-516-0 54-516-100	54-526-0 54-526-100	54-536-0 54-536-100	54-546-0 54-546-100	54-556-0 54-556-100



Nickel plated
flat washers

#2	#4	#6	#8	#10
54-517-0 54-517-100	54-527-0 54-527-100	54-537-0 54-537-100	54-547-0 54-547-100	54-557-0 54-557-100



Nickel plated internal
star and split washers

#2	#4	#6	#8	#10	Type
54-518-0 54-518-100	54-528-0 54-528-100	54-538-0 54-538-100	54-548-0 54-548-100	54-558-0 54-558-100	Int. Star
54-519-0 54-519-100	54-529-0 54-529-100	54-539-0 54-539-100	54-549-0 54-549-100	54-559-0 54-559-100	Split

UNC HARDWARE KITS


54-565-1

54-561-1

2-56 Hardware assort.
Contains: 260 pieces of
assorted 2-56 bolts, nuts,

flat washers and lock washers. Bolt lengths provided are 1/4" and 1/2". In clear polystyrene box with 6 separate compartments. (not shown).

54-562-1 4-40 Hardware assortment

Contains: 220 pieces of assorted 4-40 bolts, nuts, flat washers and lock washers. Bolt lengths provided are 1/4", 1/2" and 3/4". In clear polystyrene box with 6 separate compartments. (not shown).

54-563-1 6-32 Hardware assortment

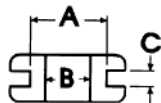
Contains: 220 pieces of assorted 6-32 bolts, nuts, flat washers and lock washers. Bolt lengths provided are 1/4", 3/8", 1/2", 5/8" and 3/4". In a clear polystyrene box with 6 separate compartments. (not shown).

54-564-1 8-32 Hardware assortment

Contains: 220 pieces of assorted 8-32 bolts, nuts, flat washers and lock washers. Bolt lengths provided are 1/4", 3/8", 1/2" and 3/4". In a clear polystyrene box with 6 separate compartments. (not shown).

54-565-1 Comprehensive hardware assortment.

Contains: 1175 pieces of assorted 2-56, 4-40, 6-32, and 8-32 hardware. In a durable 18 compartment polypropylene box (53-918-0).

RUBBER GROMMETS


Bulk	A	B	C
54-811-0	5/16"	3/16"	1/16"
54-814-0	3/8"	1/4"	1/16"
54-817-0	1/2"	3/8"	1/16"

Use -10 for Display Package

ADHESIVE RUBBER FEET


54-880-0

54-885-0



54-880-0
54-880-24
54-885-0
54-885-24

Bulk 1/2" round .232" thick
Display Package (24)
Bulk 1/2" square .232" thick
Display Package (24)

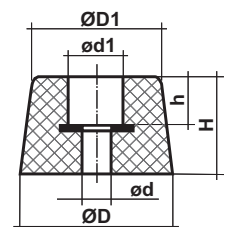
RUBBER FEET


54-865-0 54-870-0 54-875-0

Units: mm

Bulk	Pkg.	H	h	D	D1	d	d1
54-865-0	-8	8.0	4.0	20.0	16.0	3.0	6.0
54-870-0	-8	11.0	6.0	20.0	16.0	4.0	8.0
54-875-0	-4	16.0	8.0	25.0	18.0	4.0	8.0

Mounting hardware included.



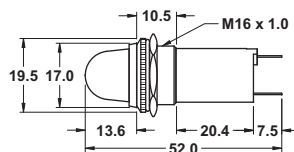


55-056-0 Bulk 12V/140mA lead wire lamp
55-056-2 Display Package (2)



55-120-0 Bulk NE-2 Neon bulb
55-120-2 Display Package (2)

For a complete selection of bulbs, see the 56 series starting on page 57

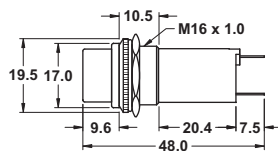


T 3-1/4 (10mm) bayonet base

**G3 1/2
Lamps
Only**

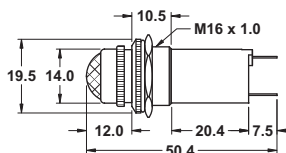
55-322-0 Red Bulk
55-325-0 Green Bulk
Use -1 for Display Package

**G3 1/2
Lamps
Only**



T 3-1/4 (10mm) bayonet base

55-332-0 Red Bulk
55-335-0 Green Bulk
55-339-0 Clear Bulk
Use -1 for Display Package



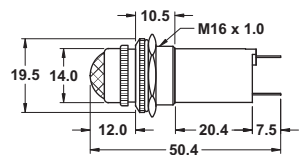
T 3-1/4 (10mm) bayonet base

55-342-0 Red Bulk
55-343-0 Amber Bulk
55-345-0 Green Bulk
55-349-0 Clear Bulk
Use -1 for Display Package

IMPORTANT NOTE:

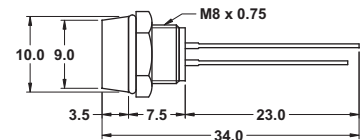
The 55-32X series is suitable for G3 1/2 lamps only. (see page 57 for these lamps). T3 1/4 lamps will not fit into the lens of these holders. The 55-34X and 55-365 are suitable for T3 1/4 lamps and LED replacement lamps.

55-11XX series LED replacement lamps will not fit into any 55-32X, 55-33X, 55-34X and 55-365-0 holder.



T 3-1/4 (10mm) screw base

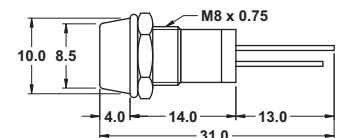
55-365-0 Green Bulk
Use -1 for Display Package



Black plastic bezel LED indicator

These indicators require a resistor to limit current. See note on page 50 for details.

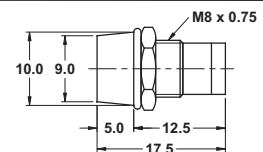
55-431-0 Green LED Bulk
Use -1 for Display Package



Chrome plated LED indicator

These indicators require a resistor to limit current. See note on page 50 for details.

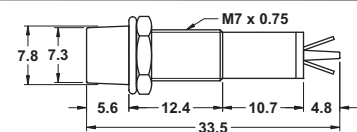
55-432-0 Red LED Bulk
55-433-0 Green LED Bulk
55-434-0 Orange LED Bulk
Use -1 for Display Package



Chrome plated LED holder

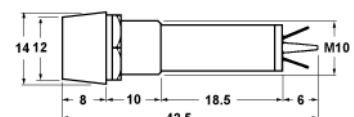
Chrome plated holder for 5mm LEDs. LED is not included.

55-439-0 Bulk **55-439-1** Pkg.



Neon indicators (internal resistor) 120VAC

55-442-0 Red lens 120VAC
55-443-0 Amber lens 120VAC
55-445-0 Green lens 120VAC
Use -1 for Display Package



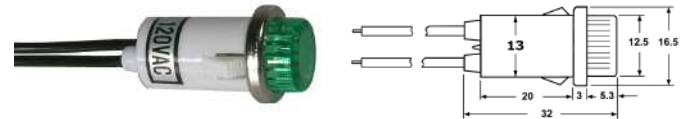
Neon indicators (internal resistor) 120VAC

55-462-0 Red lens 120VAC
55-463-0 Amber lens 120VAC
55-465-0 Green lens 120VAC
Use -1 for Display Package


Neon indicators (internal resistor) 120VAC

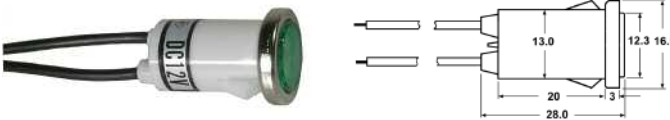
55-452-0	Red lens	120VAC
55-453-0	Amber lens	120VAC
55-455-0	Green lens	120VAC

Use -1 for Display Package


Neon indicators (internal resistor) 120VAC

55-482-0	Red lens	120VAC
55-483-0	Amber lens	120VAC
55-485-0	Green lens	120VAC

Use -1 for Display Package


Incandescent indicators 12VDC

55-472-0	Red lens	12VDC @ 58mA
55-473-0	Amber lens	12VDC @ 58mA
55-475-0	Green lens	12VDC @ 58mA

Use -1 for Display Package


Incandescent indicators 12VDC and 24VDC

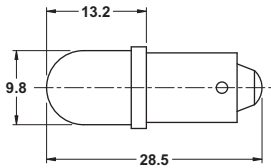
55-492-0	Red lens	12VDC @ 58mA
55-493-0	Amber lens	12VDC @ 58mA
55-495-0	Green lens	12VDC @ 58mA
55-496-0	Red lens	24VDC
55-497-0	Amber lens	24VDC
55-498-0	Green lens	24VDC

Use -1 for Display Package

LED REPLACEMENT LAMPS

T3 1/4 (10mm) Bayonet Base

Energy efficient, long lasting led replacement bulbs are suitable replacements for T3 1/4 (10mm) Bayonet Base Lamps. They are not affected with high vibration or harsh conditions like incandescent bulbs. These replacement bulbs will operate on either AC or DC voltage.



If = 20mA

Part No.	Color	Volts	MCD
55-110B-0	Blue	6V AC/DC	2800
55-110G-0	Green	6V AC/DC	1300
55-110R-0	Red	6V AC/DC	2000
55-110Y-0	Yellow	6V AC/DC	2000
55-110W-0	White	6V AC/DC	2000
55-111B-0	Blue	12V AC/DC	2800
55-111G-0	Green	12V AC/DC	1300
55-111R-0	Red	12V AC/DC	2000
55-111Y-0	Yellow	12V AC/DC	2000
55-111W-0	White	12V AC/DC	2000
55-112B-0	Blue	24V AC/DC	2800
55-112G-0	Green	24V AC/DC	1300
55-112R-0	Red	24V AC/DC	2000
55-112Y-0	Yellow	24V AC/DC	2000
55-112W-0	White	24V AC/DC	2000

7V Max

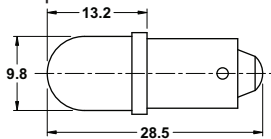
15V Max

32V Max

Use -1 for Display Package

T3 1/4 (10mm) Bayonet Base

Energy efficient, long lasting led replacement bulbs are suitable replacements for T3 1/4 (10mm) Bayonet Base Lamps. They are not affected with high vibration or harsh conditions like incandescent bulbs. These replacement bulbs will operate on either AC or DC voltage.



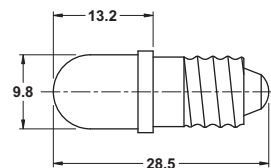
If = 20mA
130V Max

Part No.	Color	Volts	MCD
55-113B-0	Blue	120V AC/DC	2800
55-113G-0	Green	120V AC/DC	1300
55-113R-0	Red	120V AC/DC	2000
55-113W-0	White	120V AC/DC	2000
55-113Y-0	Yellow	120V AC/DC	2000

Use -1 for Display Package

T3 1/4 (10mm) Screw Base

These LED lamps are suitable long life replacements for T3 1/4 screw base lamps. The bottom contact is the anode (+) and the screw sleeve is the cathode. With internal resistor for the specified voltage



If = 20mA

Part No.	Color	Volts	MCD
55-120G-0	Green	6VDC	1300
55-120R-0	Red	6VDC	2000
55-120Y-0	Yellow	6VDC	2000
55-120W-0	White	6VDC	2000
55-121R-0	Red	12VDC	2000
55-122B-0	Blue	24VDC	2800
55-122G-0	Green	24VDC	1300
55-122Y-0	Yellow	24VDC	2000
55-122W-0	White	24VDC	2000

7V Max

15V Max

32V Max

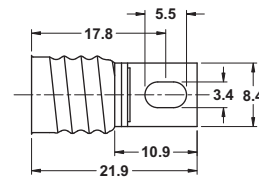
Use -1 for Display Package

E10 (T3 1/4) SCREW BASE SOCKET



55-200-0
55-200-4

Bulk
Pkg (4)



E10 (T3 1/4) BAYONET BASE SOCKETS

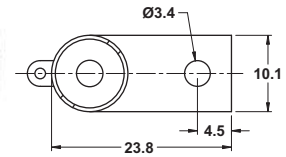


55-202-0
55-202-3

Bulk
Pkg (3)

55-203-0
55-203-3

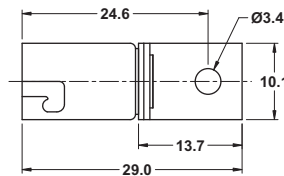
Bulk
Pkg (3)



With straight mounting tab.

55-204-0
55-204-3

Bulk
Pkg (3)

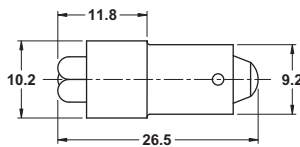


With right angle mounting tab.

SUPER BRIGHT LED REPLACEMENT LAMPS

T3 1/4 (10mm) Bayonet Base

These LED lamps are suitable long life replacements for T3 1/4 bayonet base lamps. With internal resistor for the specified voltage



***Important Note:** This series of LED bulbs are suitable for AC or DC voltage.

Part No.	Color	Volts	MCD	If
55-211B-0	Blue	12V*	4500	32mA
55-211G-0	Green	12V*	17000	32mA
55-211R-0	Red	12V*	21000	32mA
55-211Y-0	Yellow	12V*	21000	32mA
55-211W-0	White	12V*	10000	32mA
55-212G-0	Green	24V*	17000	20mA
55-212R-0	Red	24V*	21000	20mA
55-212Y-0	Yellow	24V*	21000	20mA
55-212W-0	White	24V*	10000	20mA

15V Max

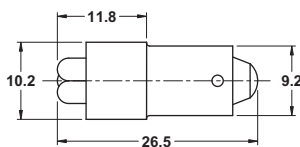
32V Max

Use -1 for Display Package

SUPER BRIGHT 120VAC/DC LED REPLACEMENT LAMPS

T3 1/4 (10mm) Bayonet Base

These LED lamps are suitable long life replacements for T3 1/4 bayonet base lamps. With internal resistor for the specified voltage



If = 4.8mA

Part No.	Color	Volts	MCD
55-214B-0	Blue	120V*	800
55-214G-0	Green	120V*	3000
55-214R-0	Red	120V*	3500
55-214Y-0	Yellow	120V*	3500
55-214W-0	White	120V*	1800

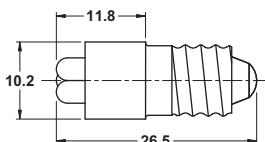
120V Max

Use -1 for Display Package

***Important Note:** This series of LED bulbs are suitable for AC or DC voltage.

T3 1/4 (10mm) Screw Base

These LED lamps are suitable long life replacements for T3 1/4 screw base lamps. With internal resistor for the specified voltage



If = 4.8mA

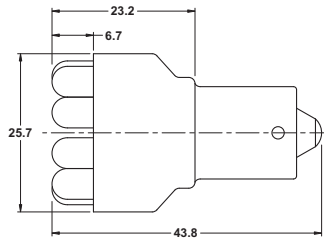
Part No.	Color	Volts	MCD
55-224W-0	White	120V*	1800

120V Max

Use -1 for Display Package

***Important Note:** This series of LED bulbs are suitable for AC or DC voltage.

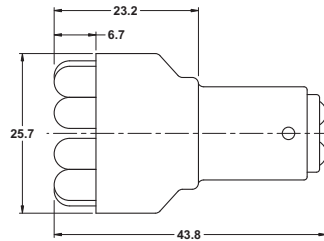
SUPER BRIGHT LED CLUSTER, SINGLE AND DUAL CONTACT, REPLACEMENT LAMPS
Replaces 1156 bulb

Consists of 12 LED's


These LED lamps are suitable long life replacements for 15mm bayonet base lamps. The bottom contact is the anode (+) and the bayonet sleeve is the cathode. With internal resistor for 12VDC.

Part No.	Color	Volts	LM	MCD	If
55-256R-0	Super Red	12V	9.5	7500	80mA
55-256G-0	Ultra Green	12V	20.0	21500	80mA
55-256W-0	Super White	12V	15.0	10800	80mA

Use -1 for Display Package
14V Max
Replaces 1157 bulb

Consists of 12 LED's


These LED lamps are suitable long life replacements for 15mm bayonet base, dual contact lamps. With internal resistor for 12VDC

Part No.	Color	Volts	LM	MCD	If
55-257R-0	Super Red	12V	8.0/1.8	7500	80/25mA
55-257Y-0	Super Yellow	12V	9.5/2.2	8800	80/25mA

Use -1 for Display Package
14V Max

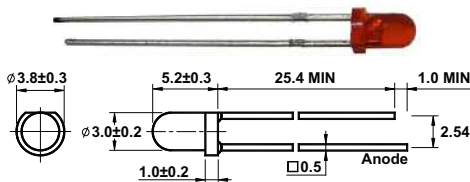
All LED's (excluding the LED indicator lamps with internal resistor) require a resistor in series to limit the current to the required specification (usually 20mA). Use Ohm's law to calculate the value of the resistor required. Most LED's have a voltage drop of 2 volts. Blue & white LED's are 3.5 - 4 volts.

$$V=IR \text{ (volts = current(amps) } \times \text{ resistance)}$$

For a 12VDC supply voltage @ 20mA the required resistor would be:

$$10 \text{ (volts)} / .02 \text{ (amps)} = 500 \text{ ohms}$$

LED'S ARE SUITABLE FOR DC ONLY

3mm LED'S

STANDARD 3mm LED'S

Brightness rating @ 10mA

55-532-0	Red	4MCD
55-533-0	Red	35MCD
55-534-0	Yellow	6MCD
55-535-0	Green	15MCD

Use -5 for Display Package
HIGH BRIGHTNESS 3mm LED'S

Brightness rating @ 20mA

55-532HB-0	Red	150MCD
55-534HB-0	Yellow	1200MCD
55-535HB-0	Green	3000MCD
55-536HB-0	White	1200MCD

Use -3 for Display Package
SUPER BRIGHT 3mm LED'S

Brightness rating @ 20mA

55-532SB-0	Red	1800MCD
55-534SB-0	Yellow	2000MCD
55-535SB-0	Green	4000MCD
55-536SB-0	White	1800MCD
55-537SB-0	Blue	2000MCD
55-540SB-0	Pink	1800MCD

Use -1 for Display Package
EXTRA BRIGHT 3mm LED'S

Brightness rating @ 20mA

55-532XB-0	Red	5000MCD
55-534XB-0	Yellow	4000MCD
55-535XB-0	Green	5000MCD
55-536XB-0	White	2400MCD
55-537XB-0	Blue	3500MCD

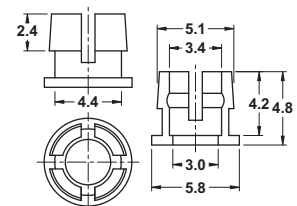
Use -1 for Display Package
ULTRA BRIGHT 3mm LED'S

Brightness rating @ 20mA

55-532UB-0	Red	7000MCD
55-535UB-0	Green	8000MCD
55-536UB-0	White	6000MCD
55-537UB-0	Blue	4500MCD

Use -1 for Display Package
3mm MOUNTING BEZEL


3mm plastic mounting bezel (1 piece)



55-530-0 Bulk
55-530-10 Disp. Pkg. (10)

LED's continued on next page.

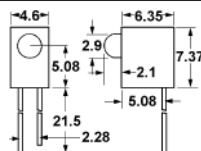
We have many different types of LED's available on special order. If you have a requirement, please contact Mode or your local Distributor for details and order quantities.

3mm BI-COLOR LED'S

Color: Red/Green
Brightness: 15-25/5-10 mcd

55-539-0
55-539-5

Bulk
Display Package (5)

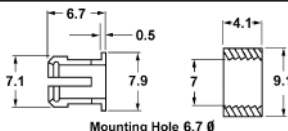
3mm R/A LED'S

Brightness level @ 10mA

55-542-0
55-545-0

Red
Green
3.2MCD
15MCD

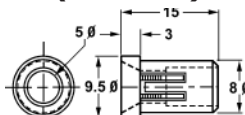
Use -5 for Display Package

5mm LED HOLDER

Plastic 2 piece panel mount holder for 5mm LED's.

55-550-0
55-550-10

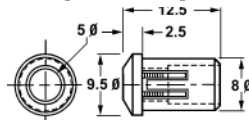
Bulk
Display Package (10)

5mm LED HOLDER (concave)

Plastic 1 piece panel mount holder for 5mm LED's.

55-550A-0
55-550A-4

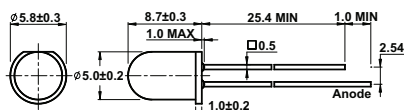
Bulk
Display Package (4)

5mm LED HOLDER (convex)

Plastic 1 piece panel mount holder for 5mm LED's.

55-550B-0
55-550B-4

Bulk
Display Package (4)

5mm LED'S**STANDARD 5mm LED's**

Brightness rating @ 10mA

55-552-0
55-553-0
55-554-0
55-555-0
55-558-0
55-558-1

Red
Orange
Yellow
Green
Blue

5-10MCD
200-400MCD
300-500MCD
100-120MCD
1000-1500MCD

Display Package

Use -5 for Display Package-except 55-558

HIGH BRIGHTNESS 5mm LED'S

Brightness rating @ 20mA

55-556-0
55-556-5
55-555HB-0
55-558HB-0
55-559HB-0

Red
Display Package (5)
Green
Blue
White

2500-3500MCD
1000-2000MCD
1500-2500MCD
1500-3000MCD

Use -1 for Display Package-except 55-556

SUPER BRIGHT 5mm LED'S

Brightness rating @ 20mA

55-557-0
55-557-2
55-554SB-0
55-554SB-2
55-555SB-0
55-555SB-1
55-558SB-0
55-558SB-1
55-559SB-0
55-559SB-1

Red
Display Package (2)
Yellow
Display Package (2)
Green
Display Package
Blue
Display Package
White
Display Package

2500MCD
1000-1500MCD
7000-9000MCD
2500-3000MCD
3000-5000MCD

EXTRA BRIGHT 5mm LED'S

Brightness rating @ 20mA

55-552XB-0
55-554XB-0
55-555XB-0
55-558XB-0
55-559XB-0
55-559XB-2

Red
Yellow
Green
Blue
White

4000-6000MCD
3500MCD
8K-11KMCD
3000-4000MCD
4000-6000MCD

Display Package (2)

Use -3 for Display Package-except 55-559XB

ULTRA BRIGHT 5mm LED'S

Brightness rating @ 20mA

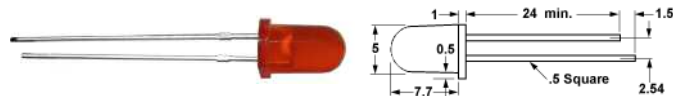
55-552UB-0
55-554UB-0
55-555UB-0
55-558UB-0
55-559UB-0
55-559UB-2

Red
Yellow
Green
Blue
White

10K-12KMCD
10K-12KMCD
15K-20KMCD
8K-10KMCD
20K-22KMCD

Display Package (2)

Use -3 for Display Package-except 55-559UB

5mm FLASHING LED

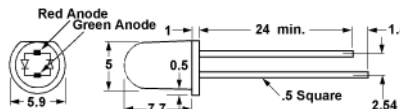
Requires no external circuitry.

55-572-0
55-572-2
55-573-0
55-573-2

Red
Display Package (2)
Red
Display Package (2)

1000MCD (3 - 5VDC)

18MCD (3.5 - 14VDC)

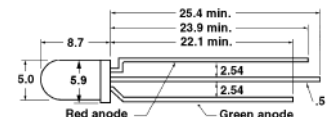
5mm BI-COLOR LED'S

2-lead dual color LED

55-582-0
55-582-5

Red/Green
Display Package (5)

2.2/3.5MCD

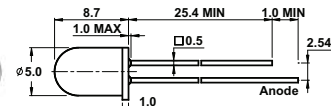


3-lead dual color LED

55-592-0
55-592-5

Red/Green
Display Package (5)

2.2/2.5MCD

5mm INFRARED LED

55-610-0
55-611-0

Emitter
Detector

Use -5 for Display Package

55-612-2

Display Package (2)

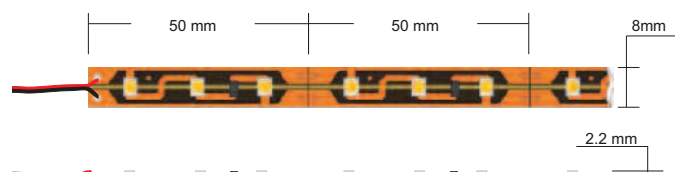
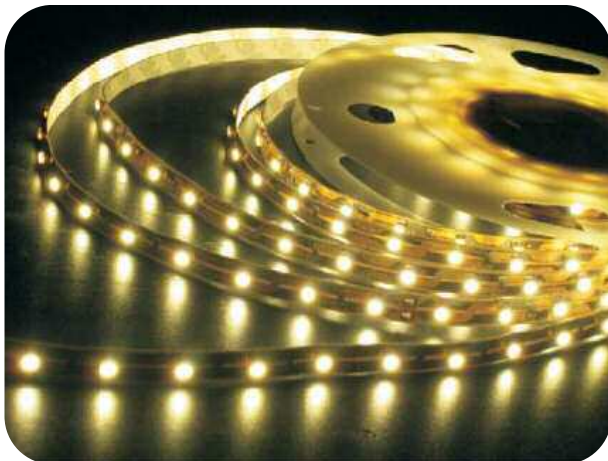
Package content: 55-610-0 and 55-611-0

INDOOR SERIES - BARE PCB LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Non-Waterproof IP20: 2 - Protected against solid objects up to 12mm³, 0 - No protection
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption.
 Long life span LED lights, more than 50,000 hours.
 Adhesive back, peel & stick. Ideal for sign letters and channel letters, concealed lights, room lighting

Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7030B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7030G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7030R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7030Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7030W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7030WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7060B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7060G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7060R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7060Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7060W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7060WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-70300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-70300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-70300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-70300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-70300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-70300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120



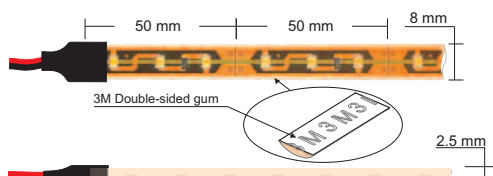
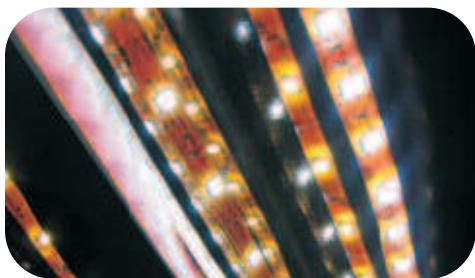
SILICONE COATED SERIES LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Waterproof IP65: 6 - Totally protected against dust, 5 - Protected against low pressure jets of water from all directions - limited ingress permitted
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption. Long life span LED lights, more than 50,000 hours. Adhesive back, peel & stick.

Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7130B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7130G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7130R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7130Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7130W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7130WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7160B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7160G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7160R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7160Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7160W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7160WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-71300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-71300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-71300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-71300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-71300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-71300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120
55-7130RGB-0 *	5 / 150	n/a	RGB (Multi)	R: 60 G: 120 B: 75	n/a	n/a	120
55-7160RGB-0 *	5 / 300	n/a	RGB (Multi)	R: 120 G: 240 B: 150	n/a	n/a	120

* RGB Multi Color. DMX compatible. RGB Controller is required (55-725-0)



RGB CONTROLLER



- 9 pattern adjustable controller
- Rated current: 8A
- Rated load current: 8A x 3CHANNEL
- Working Voltage: 12VDC
- Working temperature: -20°C ~ 60°C
- Size: 107x65x24mm
- 3 AAA Batteries Included

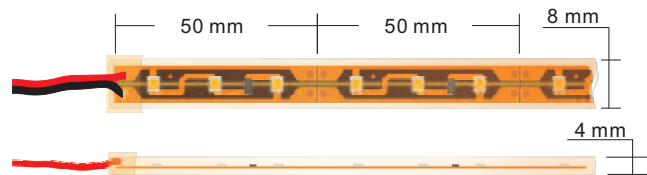
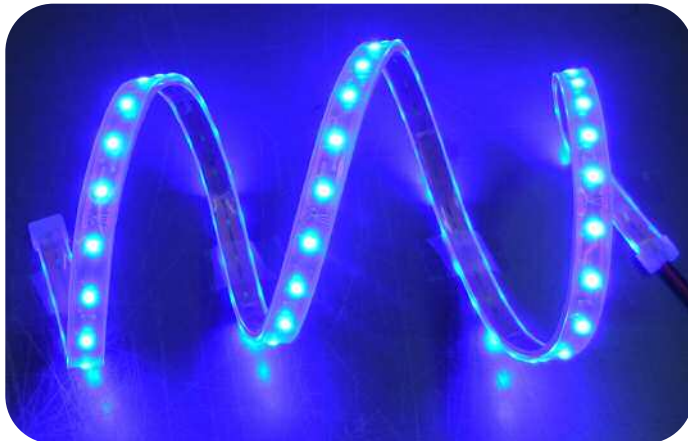
55-725-0

SILICONE SLEEVE SERIES LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Waterproof IP67: 6 - Totally protected against dust, 7 - Protected against the effect of immersion between 15cm and 1m
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption. Long life span LED lights, more than 50,000 hours.

Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7230B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7230G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7230R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7230Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7230W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7230WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7260B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7260G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7260R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7260Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7260W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7260WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-72300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-72300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-72300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-72300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-72300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-72300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120



End Cap and Clip for 55-72X and 55-73X Series



SILICONE ENCAPSULATED SERIES LED STRIPS

Input Voltage: DC 12V Regulated
 Forward Current: 0.4A per 1m (60 pcs LED Strip)
 Power Dissipation: 4.8W per 1m (60 pcs LED Strip)
 Waterproof IP68: 6 - Totally protected against dust, 8 - Protected against long periods of immersion under pressure
 Operating Temperature: -20°C ~ 50°C

Very bright & low power consumption. Long life span LED lights, more than 50,000 hours.

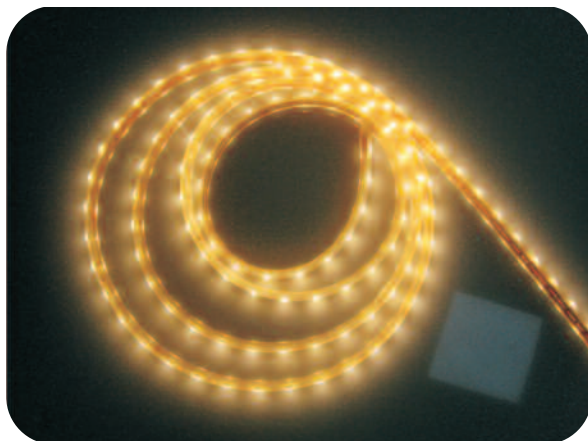
Part Number	Length [m] / LED [PCS]	Material Type	Emitted Color	Lumen / meter	Dominant Wavelength [nm]	Color Temperature [CCT]	View Angle
55-7330B-0	0.5 / 30	InGaN	Blue	150	470	n/a	120
55-7330G-0	0.5 / 30	InGaN	Green	240	525	n/a	120
55-7330R-0	0.5 / 30	AlGaInP	Red	120	625	n/a	120
55-7330Y-0	0.5 / 30	AlGaInP	Yellow	120	590	n/a	120
55-7330W-0	0.5 / 30	InGaN	White	390	n/a	6000	120
55-7330WW-0	0.5 / 30	InGaN	Warm White	360	n/a	3300	120
55-7360B-0	1 / 60	InGaN	Blue	150	470	n/a	120
55-7360G-0	1 / 60	InGaN	Green	240	525	n/a	120
55-7360R-0	1 / 60	AlGaInP	Red	120	625	n/a	120
55-7360Y-0	1 / 60	AlGaInP	Yellow	120	590	n/a	120
55-7360W-0	1 / 60	InGaN	White	390	n/a	6000	120
55-7360WW-0	1 / 60	InGaN	Warm White	360	n/a	3300	120
55-73300B-0	5 / 300	InGaN	Blue	150	470	n/a	120
55-73300G-0	5 / 300	InGaN	Green	240	525	n/a	120
55-73300R-0	5 / 300	AlGaInP	Red	120	625	n/a	120
55-73300Y-0	5 / 300	AlGaInP	Yellow	120	590	n/a	120
55-73300W-0	5 / 300	InGaN	White	390	n/a	6000	120
55-73300WW-0	5 / 300	InGaN	Warm White	360	n/a	3300	120



End Cap and Clip for 55-72X and 55-73X Series



LED STRIP DIMMER



- Single color LED Strips Dimmer (not for 55-7130RGB-0 or 55-7160RGB-0)
- Maximum up to 18A current output
- Working Voltage: 12VDC
- Working temperature: -20°C ~ 60°C
- Size: 107x55x24mm
- Sturdy aluminum frame

55-724-0

8MM SOLDERLESS LED STRIP CONNECTOR



8mm Solderless LED Strip Connector with 6" leads.

55-740-0 Bulk

10MM SOLDERLESS RGB STRIP CONNECTOR



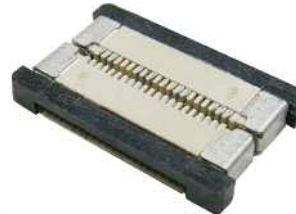
10mm Solderless RGB LED Strip Connector with 6" leads.

55-750-0 Bulk



8MM SOLDERLESS LED STRIP JOINER

55-742-0 Bulk



10MM SOLDERLESS RGB STRIP JOINER

55-752-0 Bulk

8MM SNAP-ON LED STRIP CONNECTOR



8mm Snap-on LED Strip Connector with 6" leads.

55-744-0 Bulk

10MM SNAP-ON LED STRIP CONNECTOR



10mm Snap-on LED Strip Connector with 6" leads.

55-745-0 Bulk



8MM SNAP-ON LED STRIP JOINER

55-746-0 Bulk



10MM SNAP-ON LED STRIP JOINER

55-747-0 Bulk



10MM SNAP-ON RGB LED STRIP JOINER

55-756-0 Bulk

8MM SNAP-ON LED STRIP JOINER



8mm Snap-on LED Strip Joiner with 6" leads.

55-748-0 Bulk

10MM SNAP-ON RGB LED STRIP JOINER



10mm Snap-on RGB LED Strip Joiner with 6" leads.

55-758-0 Bulk

Note: 8mm Connectors are for standard single color LED Strips. 55-750-0, 55-752-0, 55-756-0 and 55-758-0 10mm Connectors are for RGB LED Strips.

LAMP CROSS-REFERENCE

Generic lamp number to Mode part number.

Important Note: This cross-reference only indicates the closest Mode part for the generic lamp numbers. If the Mode # is the same as the generic # they are identical parts. The Mode lamps were selected to be suitable replacements for a number of lamps. They may not be electrically identical. Our objective was to offer a limited number of lamps that could replace many of the similar generic items. Please make sure to check the exact specifications for a replacement to make sure that it is suitable.

PR2	56-PR2	68	56-1178	431	56-0293	3150	56-0349
PR4	56-PR2	82	56-0064	455	56-0055	6839	56-6839
PR5	56-PR2	90	56-1178	456	56-0456	7326	56-0373
PR6	56-PR6	94	56-1076	459	56-0459	7327	56-7376
PR9	56-PR6	251	56-0375	502	56-0502	7332	56-0349
PR14	56-PR6	257	56-0293	503	56-0055	7333	56-0349
PR31	56-PR6	293	56-0293	624	56-0624	7334	56-0349
PR3	56-PR17	304	56-0624	685	56-0718	7346	56-0398
PR7	56-PR17	328	56-0349	714	56-0718	7376	56-7376
PR30	56-PR17	398	56-0398	718	56-0718	7387	56-7376
PR13	56-PR17	407	56-0407	1076	56-1076	7420	56-0022
PR32	56-PR17	332	56-0349	1109	56-1076	7876	56-7376
PR15	56-PR17	335	56-0399	1118	56-1076	8022	56-0718
PR17	56-PR17	336	56-0346	1142	56-1076	8362	56-0373
PR12	56-PR20	337	56-0398	1152	56-1076		
PR18	56-PR20	338	56-0375	1178	56-1178		
PR20	56-PR20	345	56-0349	1224	56-1224		
22	56-0022	346	56-0346	1228	56-1229		
27	56-0502	349	56-0349	1229	56-1229		
32	56-0022	350	56-0349	1252	56-0624		
41	56-0042	369	56-0399	1638	56-1638		
42	56-0042	370	56-0459	1738	56-1738		
43	56-0043	373	56-0373	1764	56-1764		
48	56-0042	375	56-0375	1767	56-1769		
49	56-0043	362	56-0373	1769	56-1769		
55	56-0055	377	56-0349	1895	56-0293		
57	56-0293	379	56-0398	2176	56-1764		
57X	56-0293	380	56-0349	2185	56-1764		
58	56-1738	381	56-0349	2187	56-1764		
64	56-0064	386	56-0346	2370	56-1764		

FLASHLIGHT BULBS (B3 1/2)



Part No.	Volts	Amps	CP	Life
56-PR2-0	2.38	.50	.80	15
56-PR6-0	2.47	.30	.45	30
56-PR17-0	4.90	.30	1.2	31.8
56-PR20-0	8.63	.50	5.0	31.8

SCREW/BAYONET (G4 1/2)



Part No.	Base	Volts	Amps	CP	Life
56-0407-0	Screw	4.90	.30	1.2	50
56-0502-0	Screw	5.10	.15	.60	100
56-0055-0	Bay	7.0	.41	2.0	500
56-0293-0	Bay	14.0	.33	2.0	7500
56-0456-0	Bay	28.0	.17	2.0	3000

DC BAYONET (G6)



Part No.	Base	Volts	Amps	CP	Life
56-0064-0	Bay	7.0	.63	3.0	1000
56-1178-0	Bay	13.5	.69	4.0	5000
56-0624-0	Bay	28	.37	6.0	1000
56-1224-0	Bay	34.0	.16	3.8	275

DC BAYONET (S8)

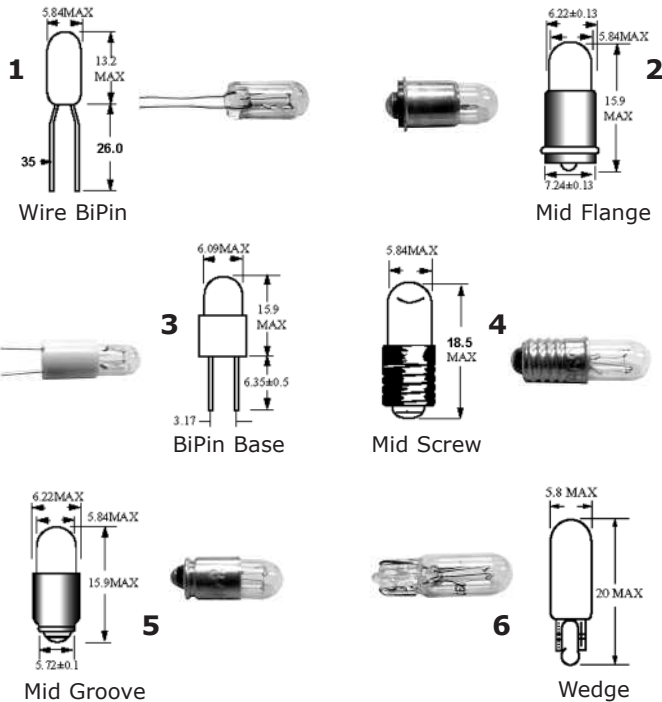


Part No.	Base	Volts	Amps	CP	Life
56-1076-0	Bay	12.8	1.8	32	200
56-1638-0	Bay	28.0	1.02	32	500
56-1229-0	Bay	34.0	.45	15	275

Lamp Specifications:

Current in Amperes
CP = Mean Spherical Candle Power
Life is listed in hours.

T1 3/4 BULBS



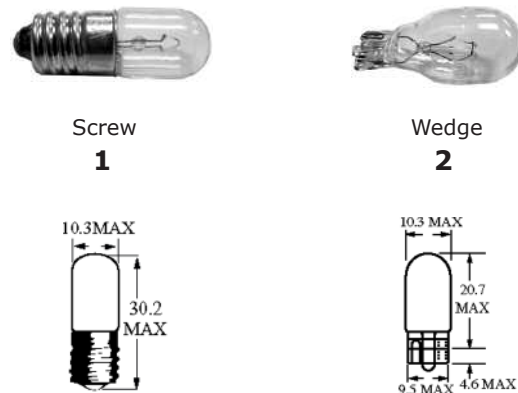
Part No.	Base	Volts	Amps	CP	Life
56-1738-0	1	2.70	.06	.04	6000
56-1764-0	1	28.0	.04	.34	4000
56-0375-0	2	3.0	.015	.003	20K
56-0349-0	2	6.3	.20	.55	20K
56-0459-0	2	22.0	.04	.30	5000
56-7376-0	3	28.0	.065	.65	10K
56-1769-0	4	2.5	.20	.20	1000
56-0373-0	4	14.0	.08	.50	2500
56-0399-0	4	28.0	.04	.30	7000
56-0398-0	5	6.3	.20	.55	20K
56-0346-0	5	18.0	.04	.15	10K

T1 BULBS



Part No.	Base	Volts	Amps	CP	Life
56-0718-0	MF	5.0	.115	.15	40K
56-0022-0	MF	14.0	.04	.132	16K
56-6839-0	MF	28.0	.024	.15	16K

T3 1/4 BULBS



Part No.	Base	Volts	Amps	CP	Life
56-0042-0	1	3.2	.35	.50	3000
56-0464-0	2	28.0	.17	3.0	1500

The lamps shown in this catalog are stocked. We have many additional types available - contact us or your local Distributor for details.

Have you ever wondered where the bulb size designations came from or what they mean? So did we... they refer to increments of .125" (1/8"). For example a T1 is .125" in Diameter. A T3 1/4 is 3.25 x .125 = .40625". In Metric a T1 3/4 is considered 5mm and T3 1/4 is considered 10mm.

FUSEHOLDERS

10A @ 250VAC



Bayonet style fuse holder for 3AG (1/4" x 1 1/4") fuses.

55-800-0 Bulk
55-800-1 Display Package

10A @ 250VAC



Screw type fuseholder for 3AG (1/4" x 1 1/4") fuses.

55-802-0 Bulk
55-802-1 Display Package

INLINE FUSEHOLDER



Screw bakelite fuseholder for 3AG (1/4" x 1 1/4") fuses. 45cm of 12 AWG red wire. 20A @ 250VAC

55-820-0 Bulk
55-820-1 Pkg

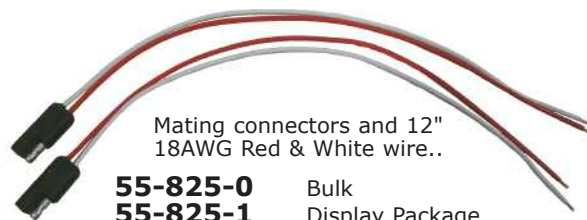
INLINE FUSEHOLDER



Polypropylene fuseholder for 3AG (1/4" x 1 1/4") fuses. 19cm red 18AWG wire. 5A @ 250VAC.

55-821-0 Bulk
55-821-1 Pkg

TRAILER HARNESS CABLE SET



Mating connectors and 12" 18AWG Red & White wire..

55-825-0 Bulk
55-825-1 Display Package

FUSES



Standard 3AG size (1/4" x 1 1/4") fuses. Slow blow (MDL) & fast blow (AGC)

Slow blow

55-950-0 5 Amp
55-951-0 10 Amp
55-952-0 15 Amp
55-953-0 20 Amp

Use -5 for Display Package

Fast blow

55-910-0 1 Amp
55-920-0 2 Amp
55-923-0 3 Amp
55-925-0 5 Amp
55-930-0 10 Amp
55-932-0 15 Amp
55-933-0 20 Amp
55-934-0 25 Amp
55-935-0 30 Amp

Use -5 for Display Package

BATTERY HOLDERS



'AA' Battery Holder with 15cm UL1007 26AWG Wire

57-311-0 Bulk
57-311-2 Package (2)



2 x 'AA' Battery Holder with Snap Connector

57-322-0 Bulk
57-322-2 Package (2)



4 x 'AA' Battery Holder with Snap Connector

57-342-0 Bulk
57-342-2 Package (2)



4 x 'AA' Battery Holder with Snap Connector

57-343-0 Bulk
57-343-2 Package (2)



4 x 'AA' Battery Holder with Snap Connector

57-344-0 Bulk
57-344-2 Package (2)



4 x 'AA' Battery Holder with 15cm UL1007 26AWG Wire

57-345-0 Bulk
57-345-2 Package (2)



2 x AA Safety Battery Holder
with 15cm UL1007 26AWG
Wire and with Switch

57-347-0 Bulk
57-347-2 Package (2)



3 x AAA Safety Battery
Holder with 15cm UL1007
26AWG Wire

57-432-0 Bulk
57-432-1 Package



4 x AA Safety Battery Holder
with 15cm UL1007 26AWG
Wire and with Switch

57-349-0 Bulk
57-349-1 Package



4 x AAA Safety Battery
Holder with Prong Snap

57-444-0 Bulk
57-444-1 Package



AAA Battery Holder with
15cm UL1007 26AWG Wire
and with Switch

57-411-0 Bulk
57-411-2 Package (2)



4 x AAA Safety Battery
Holder with 15cm UL1007
26AWG Wire and with Switch

57-445-0 Bulk
57-445-1 Package



2 x AAA Battery Holder with
15cm UL1007 26AWG Wire

57-422-0 Bulk
57-422-2 Package (2)

BATTERY SNAPS



57-901-0



57-902-0

9 Volt battery snaps - 24AWG 150mm long

57-901-0 'I' type Bulk
57-902-0 'T' type Bulk
Use -10 for Display Package



9 Volt molded battery snaps - 24AWG 150mm long

57-902M-0 'T' type Bulk
Use -5 for Display Package



2 x AAA Safety Battery
Holder with 15cm UL1007
26AWG Wire and with Switch

57-427-0 Bulk
57-427-2 Package (2)



3 x AAA Safety Battery
Holder with Prong Snap

57-431-0 Bulk
57-431-1 Package

Visit our Web Site at
<http://www.mode-elec.com>

SPEAKER TERMINALS



4 push type terminals, color coded for any audio application. Overall size: 75mm x 20mm. Mounting holes 64mm centre to centre.

58-094-0 Bulk
58-094-1 Pkg



Phenolic mounted push-type speaker terminals. 23 W x 50 L. Mounting holes 39.5 mm centre to centre.

58-098-0 Bulk
58-098-2 Package (2)



Push type speaker terminals 20 W x 55 L. Mounting holes 45 mm centre to centre.

58-099-0 Bulk
58-099-2 Package (2)

TERMINAL BLOCKS

SPECIFICATIONS

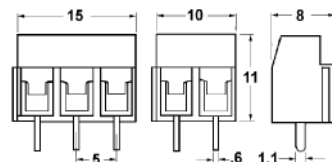
Materials:

Housing: Polyamid 6.6
Terminals: Tin plated brass
Contacts: Nickel plated brass

Electrical:

Ratings: 8A @ 300 Volts
Wire size: 14 AWG maximum

These lock together forming a continuous 5mm spacing terminal block



58-102-0
58-102-3
58-103-0
58-103-2

Bulk 2-position
Package (3)
Bulk 3-position
Package (2)



SPECIFICATIONS

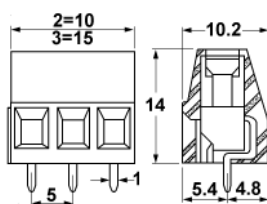
Materials:

Housing: Polyamid 6.6
Terminals: Tin plated brass
Contacts: Nickel plated brass

Electrical:

Ratings: 20 Amp @ 300 V
Wire size: 12 AWG maximum

These lock together forming a continuous 5mm spacing terminal block



58-112-0
58-112-3
58-113-0
58-113-2

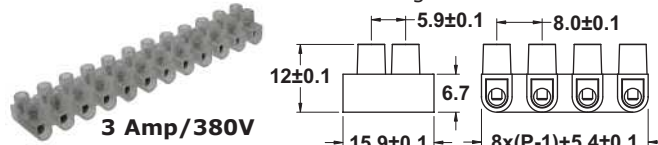
Bulk 2-position
Package (3)
Bulk 3-position
Package (2)



We have many different types of terminal blocks available on special order. If you have a requirement, please contact Mode or your local Distributor for details and order quantities.

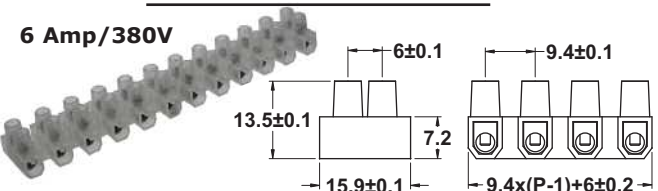
TERMINAL BLOCKS

These 12 position flexible terminal blocks can be cut to length.



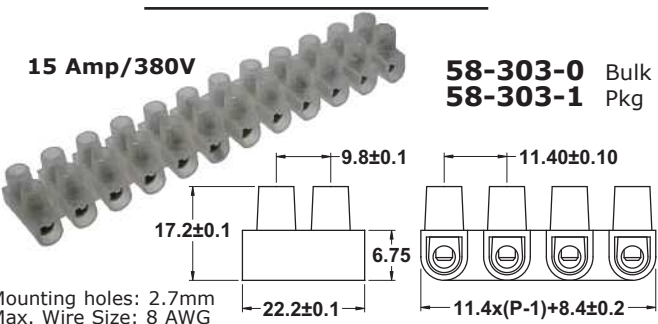
58-301-0 Bulk
58-301-2 Pkg (2)

Mounting holes: 2.7mm
Maximum Wire Size: 12 AWG



58-302-0 Bulk
58-302-2 Pkg (2)

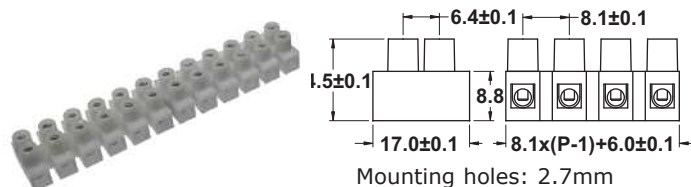
Mounting holes: 2.7mm
Maximum Wire Size: 10 AWG



Mounting holes: 2.7mm
Max. Wire Size: 8 AWG

58-303-0 Bulk
58-303-1 Pkg

These flexible 12-position terminal blocks with wire protectors are made of Nylon 66, UL94V2 and are approved by cUR (E152546), VDE, FIMCO and CQC.



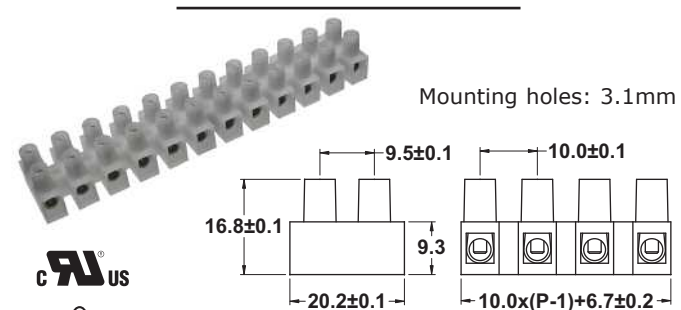
Mounting holes: 2.7mm



Current: cUR 10 Amps/300V
VDE 17.5 Amps/450V
Wire: cUR 12-22 AWG
VDE 1.5 mm²

58-308-0
58-308-1

Bulk
Pkg



Mounting holes: 3.1mm



Current: cUR 30 Amps/600V
VDE 24 Amps/450V
Wire: cUR 12-22 AWG
VDE 2.5 mm²

58-312-0
58-312-1

Bulk
Pkg



**TERMINAL BLOCK
20Amp 600VAC**

Suitable for wire sizes
24 to 12 AWG

58-425-0 Bulk



**TERMINAL BLOCK
30Amp 600VAC**

Suitable for wire sizes
22 to 10 AWG

58-400-0 Bulk

**SIDE COVER FOR
58-425-0 and 58-400-0**

58-401-0 Bulk



**TERMINAL BLOCK
40Amp 600VAC**

Suitable for wire sizes
8 to 22 AWG

58-402-0 Bulk

**SIDE COVER FOR
58-402-0**

58-403-0 Bulk



**TERMINAL BLOCK
60Amp 600VAC**

Suitable for wire sizes
6 to 18 AWG

58-404-0 Bulk

**SIDE COVER FOR
58-404-0**

58-405-0 Bulk



**TERMINAL BLOCK
75Amp 600VAC**

Suitable for wire sizes 6
to 16 AWG

58-406-0 Bulk

**SIDE COVER FOR
58-406-0**

58-407-0 Bulk



**DIN RAIL END
STOPPER**

Suitable for locking
terminals into position
on the rail

58-410-0 Bulk



FUSE TERMINAL

5 x 20mm fuse - wire sizes 22 to
10 AWG. Rated for 20 Amp fuse.

58-412-0 Bulk

**SIDE COVER FOR
58-412-0**

58-413-0 Bulk



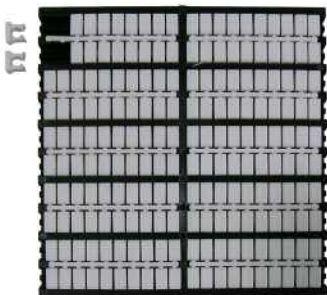
58-415-0

**ALUMINUM DIN
RAIL**

35 x 7.5 mm - 1
meter long

58-415-0 Bulk

SINGLE BLANK MARKERS



Single blank markers suitable for the
58-400-0, 58-402-0 and 58-425-0
terminal blocks. 200/Tray

58-426-0 Bulk

DUAL BLANK MARKERS



Dual blank markers suitable for the
58-400-0, 58-402-0 and 58-425-0
terminal blocks. 100/Tray

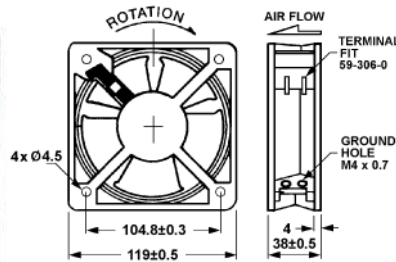
58-426D-0 Bulk

**80 POSITION BRIDGE BAR
FOR 58-425-0**



On the picture only 12 are shown.

58-428-0 Bulk



59-100-0

59-100-0

115VAC
120 x 120 x 38mm

Bearing: Sleeve
Air flow: 101 CFM
Load: .20 A (18 watts)
Noise: 45 dbA
Speed: 3000 RPM



59-101-0

115VAC
120 x 120 x 38mm

Bearing: Ball
Air flow: 105 CFM
Load: .20 A (18 watts)
Noise: 40 dbA
Speed: 2700 RPM



59-112-0

12VDC
120 x 120 x 38mm

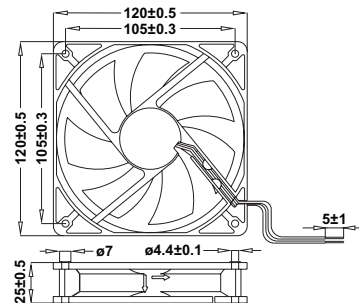
Bearing: Sleeve
Air flow: 105 CFM
Load: .5 A (6 watts)
Noise: 43 dbA
Speed: 2800 RPM



59-114-0

12VDC
120 x 120 x 38mm

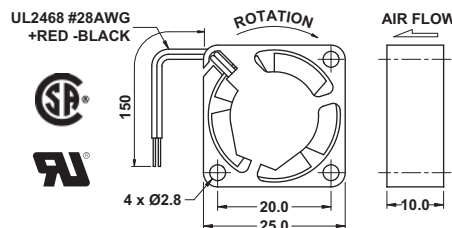
Bearing: Ball
Air flow: 140 CFM
Load: .55 A (6.6 watts)
Noise: 43 dbA
Speed: 2800 RPM



59-115-0

12VDC
120 x 120 x 25mm

Bearing: Sleeve
Air flow: 90 CFM
Load: .25 A (3 watts)
Noise: 33 dbA
Speed: 2300 RPM



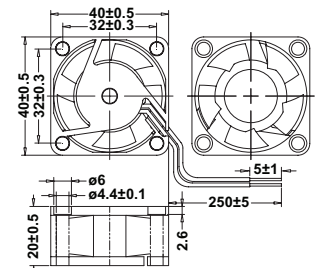
59-225-0

12VDC
25 x 25 x 10mm

Bearing: Hypro
Air flow: 1.8 CFM
Load: .07 A (.8 watts)
Noise: 15.6 dbA
Speed: 8000 RPM



59-245B-0



59-244-0

12VDC
40 x 40 x 20mm

Bearing: Sleeve
Air flow: 5.2 CFM
Load: .05 A (.6 watts)
Noise: 23 dbA
Speed: 4500 RPM



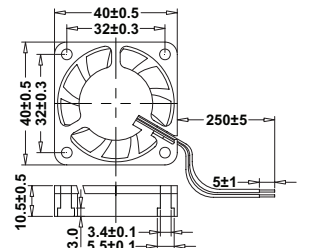
59-245B-0

12VDC
40 x 40 x 20mm

Bearing: Ball
Air flow: 7.45 CFM
Load: .08 A (.96 watts)
Noise: 28 dbA
Speed: 6500 RPM



59-246-0



59-246-0

12VDC
40 x 40 x 10mm

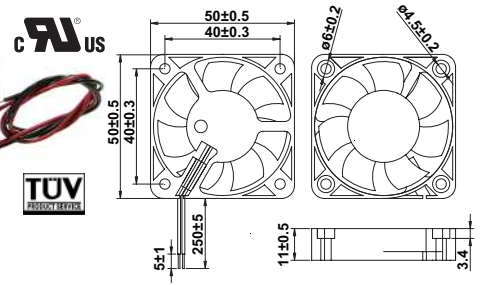
Bearing: Sleeve
Air flow: 6.45 CFM
Load: .12 A (1.44 watts)
Noise: 25 dbA
Speed: 6600 RPM



59-247-0

12VDC
40 x 40 x 10mm

Bearing: Ball
Air flow: 6.45 CFM
Load: .12 A (1.44 watts)
Noise: 25 dbA
Speed: 6600 RPM

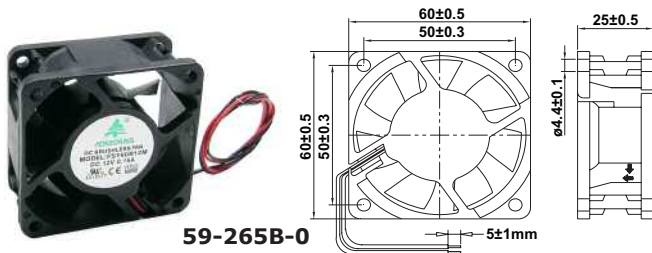


59-254-0

12VDC
50 x 50 x 10mm

Bearing: Sleeve
Air flow: 9.69 CFM
Load: .12 A (1.44 watts)
Noise: 31 dbA
Speed: 5700 RPM

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com


59-265B-0
59-264-0

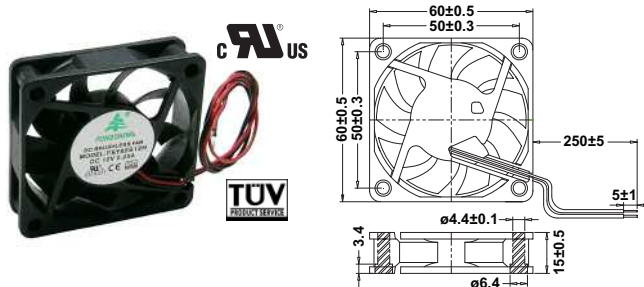
12VDC
60 x 60 x 25mm

Bearing: Sleeve
Air flow: 18 CFM
Load: .16 A (1.9 watts)
Noise: 31 dbA
Speed: 3800 RPM


59-265B-0

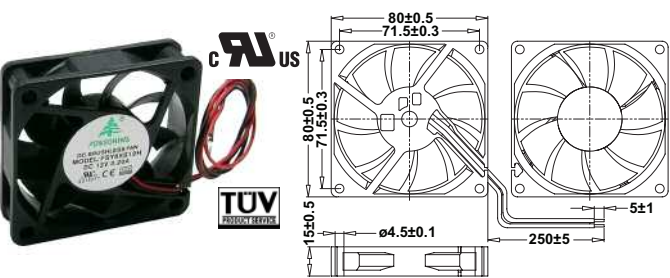
12VDC
60 x 60 x 25mm

Bearing: Ball
Air flow: 18 CFM
Load: .15 A (1.8 watts)
Noise: 32 dbA
Speed: 1800 RPM


59-266-0

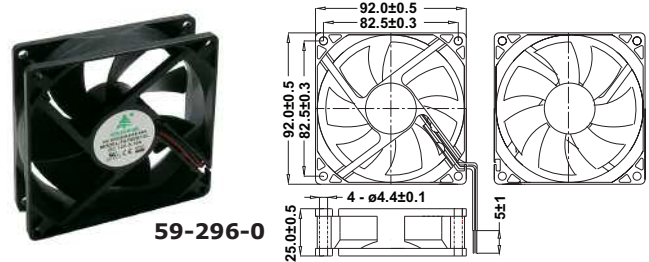
12VDC
60 x 60 x 15mm

Bearing: Sleeve
Air flow: 20 CFM
Load: .2 A (2.4 watts)
Noise: 32 dbA
Speed: 4500 RPM


59-286-0

12VDC
80 x 80 x 15mm

Bearing: Sleeve
Air flow: 36 CFM
Load: .22 A (2.64 watts)
Noise: 23 dbA
Speed: 3600 RPM


59-295-0

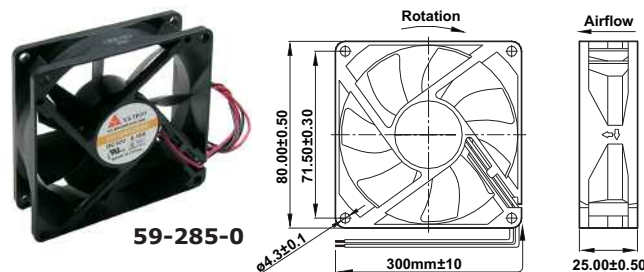
12VDC
92 x 92 x 25mm

Bearing: Ball
Air flow: 54 CFM
Load: .22 A (2.64 watts)
Noise: 38 dbA
Speed: 2800 RPM


59-296-0

12VDC
92 x 92 x 25mm

Bearing: Sleeve
Air flow: 23 CFM
Load: .1 A (1.2 watts)
Noise: 38 dbA
Speed: 2100 RPM


FAN ACCESSORIES

59-285-0
59-284-0

12VDC
80 x 80 x 25mm

Bearing: Sleeve
Air flow: 27 CFM
Load: .12 A (1.4 watts)
Noise: 25 dbA
Speed: 2200 RPM

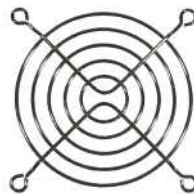

59-285-0

12VDC
80 x 80 x 25mm

Bearing: Ball
Air flow: 37 CFM
Load: .16 A (1.9 watts)
Noise: 30 dbA
Speed: 2500 RPM



600mm power cord for
59-100-0 and 59-101-0

59-306-0 Bulk


Nickel plated finger guards

59-310-0 120mm
59-316-0 60mm
59-318-0 80mm
59-319-0 92mm



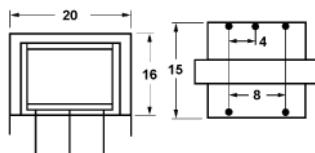
Fan filter kits

59-330-0 40mm
59-331-0 50mm
59-332-0 60mm
59-333-0 80mm
59-334-0 92mm
59-335-0 120mm

The fans shown in this catalog are our most popular types. If you require a different size or voltage, please contact us or your local Mode distributor for price and availability.



AUDIO TRANSFORMERS



Primary: 500Ω center-tapped Secondary: 8Ω

60-281-0

Bulk

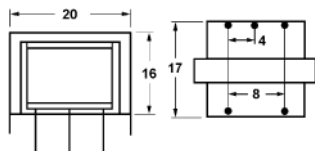
Primary: 1.2KΩ center-tapped Secondary: 8Ω

60-282-0

Bulk

Use -1 for Display Package

600Ω : 600Ω TRANSFORMER



Center pin on primary side is an electrostatic shield.

Primary: 600Ω
Secondary: 600Ω
Freq. response: 300Hz - 3500Hz
Max. current: 160mA

60-606-0

Bulk

60-606-1

Display Pkg.

AUDIO L PADS



8 ohm 15 watt balanced impedance audio level control.

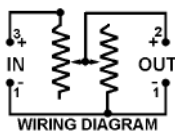
61-111-0

Mono Bulk

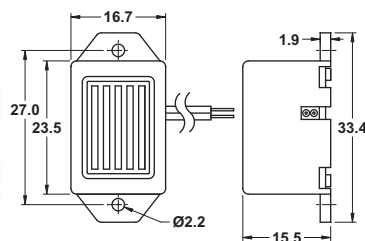
61-112-0

Stereo Bulk

Use -1 for Display Package



BUZZERS



Solid state buzzer 100mm leads

Current: 30mA
Sound output: 85db @ 30cm (61-211-0)
88db @ 30cm (61-212-0)
Frequency: 400Hz

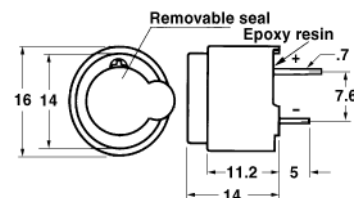
61-211-0

4-8VDC

61-212-0

8-16VDC

Use -1 for Display Package



Magnetic buzzer. Complete with internal driver.

Current: 40mA
Output: 85db @ 10cm (61-223-0)
90db @ 10cm (61-224-0)
Freq.: 2.3KHz

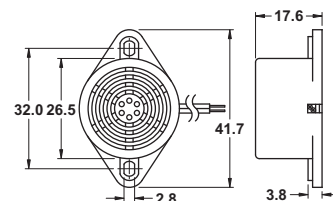
61-223-0

4-8 VDC

61-224-0

8-16 VDC

Use -1 for Display package



Panel mount buzzer with 100mm leads.

Current: 30mA (61-231-0)
40mA (61-232-0 & 61-233-0)
Output: 85db @ 30cm (61-231-0)
88db @ 30cm (61-232-0)
90db @ 30cm (61-233-0)
Freq.: 400 Hz

61-231-0

4-8 VDC

61-232-0

8-16 VDC

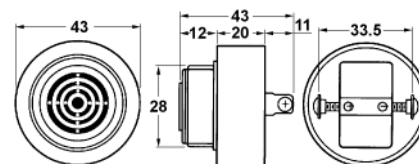
61-233-0

20-28 VDC

Use -1 for Display Package



Panel mount audio alarms.
Input voltage: 6-28 VDC
Current: 15mA
Output: 80db @ 100cm
Freq.: 2.9KHz



61-301-0

Continuous tone

61-302-0

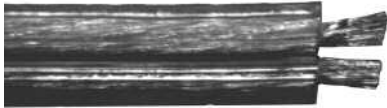
Pulsed tone

Use -1 for Display Package

The buzzers shown in this catalog are our most popular types. If you require a different style, please contact us or your local Mode distributor for price and availability.

BULK SPEAKER CABLE

12 AWG oxygen free 'super' audio cable. Available in 500' full spools only.



01-0214-500

500' spool

18 AWG speaker wire. Clear jacket.



01-0244-500

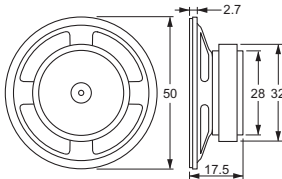
500' spool

ROUND MINIATURE SPEAKERS



Frequency range:
Nominal impedance:
Power:
Size:
Alnico magnets.

61-650-0 Bulk



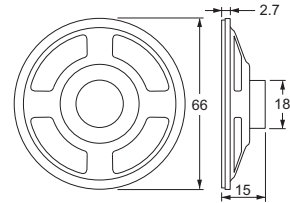
300Hz - 4KHz.
8Ω
500mW
50mm (2")

61-650-1 Pkg.



Frequency range:
Nominal impedance:
Power:
Size:
Alnico magnets.

61-666-0 Bulk



300Hz - 3.5KHz.
8Ω
250mW
65mm (2.5")

61-666-1 Pkg.

POTENTIOMETERS

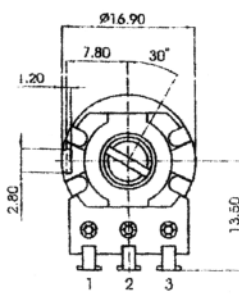
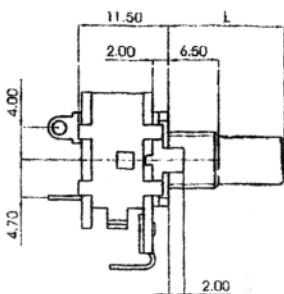
.125 watt pots with 1 amp switch.

Resistance Tolerance: $\pm 20\%$
0.125W @ 150VAC



62-222-0 1K linear
62-223-0 5K linear
62-224-0 10K linear
62-227-0 100K linear
62-229-0 1M linear

Use -1 for Display Package



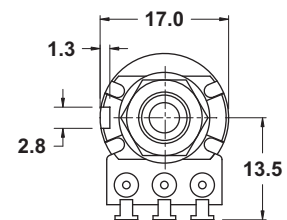
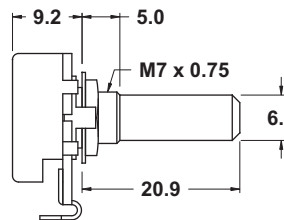
.06 watt potentiometers

Resistance Tolerance: $\pm 20\%$
0.06 W @ 150 VAC



62-243-0 5K linear
62-234-0 10K log (audio)
62-244-0 10K linear
62-246-0 50K linear
62-247-0 100K linear
62-248-0 500K linear

Use -1 for Display Package

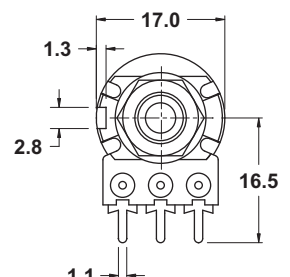
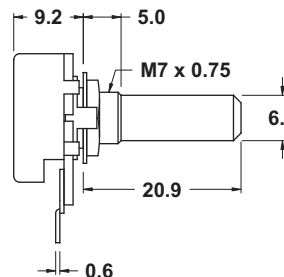


.06 watt PC mount pots.

Resistance Tolerance: $\pm 20\%$
0.06W @ 150VAC



62-284-0 10K linear
62-284-1 Display Package



25W SWITCHING POWER SUPPLY - CLOSED FRAME



CB CE

- Universal Input 85 to 264VAC.
- Low Power Consumption.
- Approvals: cURus / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 85~264VAC
Input Frequency: 47~63Hz
Output Adjustment Range: $\pm 10\%$ Rated Output Voltage
Line Regulation: $\leq 0.5\%$

Part No.	DC output	Load regul.	Efficiency
67-1225-1	12V, 0~2.1A	0.5%	77%

36W SWITCHING POWER SUPPLY - CLOSED FRAME



- Universal AC input.
- No load power consumptin $< 0.2W$.
- Approvals: cURus / CE.
- Protections: Short Circuit / Overload.
- Cooling by free air convection.
- 100% pass aging test.
- 3 Years Warranty.
- Packaged in a Box.

Input Frequency: 47~63Hz
Voltage regulation range: $\pm 10\%$ Rated Output Voltage
Load adjustment rate: $\pm 0.5\%$
Voltage accuracy: $\pm 1\%$

Part No.	DC output	Efficiency
67-2425A-1	24V, 0~1.5A	88%

60W SWITCHING POWER SUPPLY - CLOSED FRAME



CB CE

- Universal Input 85 to 264VAC.
- Low Power Consumption.
- Approvals: cURus / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 85~264VAC
Input Frequency: 47~63Hz
Output Adjustment Range: $\pm 10\%$ Rated Output Voltage
Line Regulation: $\leq 0.5\%$

Part No.	DC output	Load regul.	Efficiency
67-1560-1	15V, 0~4A	0.5%	78%

72W SWITCHING POWER SUPPLY - CLOSED FRAME



- Universal AC input.
- No load power consumptin $< 0.3W$.
- Approvals: cURus / CE.
- Protections: Short Circuit / Overload.
- Cooling by free air convection.
- 100% pass aging test.
- 3 Years Warranty.
- Packaged in a Box.

Input Frequency: 47~63Hz
Voltage regulation range: $\pm 10\%$ Rated Output Voltage
Load adjustment rate: $\pm 0.5\%$
Voltage accuracy: $\pm 1\%$

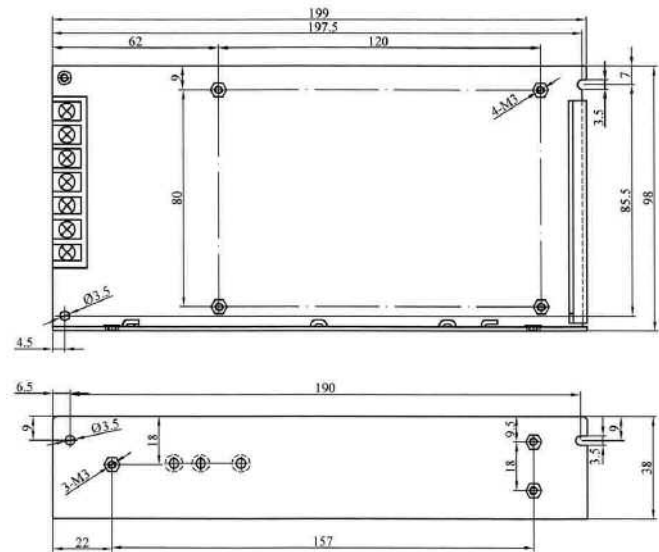
Part No.	DC output	Efficiency
67-1260A-1	12V, 0~6A	88%

100W SWITCHING POWER SUPPLY - CLOSED FRAME



- AC Input Range Selectable by Switch.
- Low Power Consumption.
- Approvals: cURus / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 88~132VAC/176~264VAC
(Selectable by Switch)
Input Frequency: 47~63Hz
Output Adjustment Range: $\pm 10\%$ Rated Output Voltage
Line Regulation: $\leq 0.5\%$



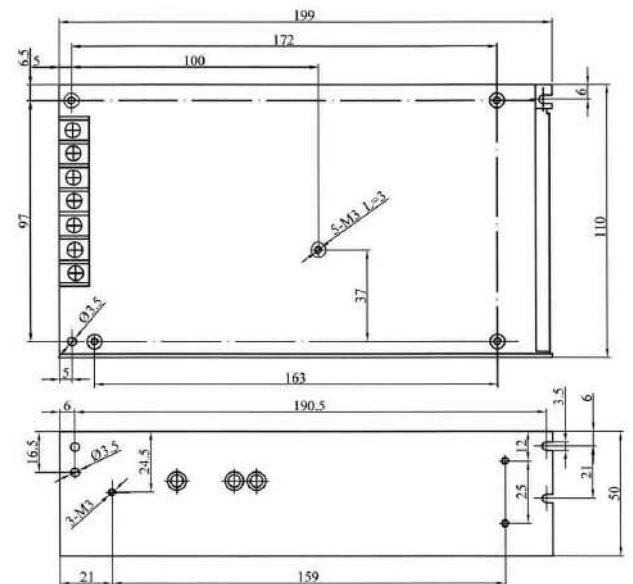
Part No.	DC output	Load regul.	Efficiency
67-0510-1	5V, 0~20A	1%	77%
67-0710-1	7.5V, 0~13.5A	1%	79%
67-1210-1	12V, 0~8.3A	0.5%	81%
67-2410-1	24V, 0~4.2A	0.5%	84%

150W SWITCHING POWER SUPPLY - CLOSED FRAME



- AC Input Range Selectable by Switch.
- Low Power Consumption.
- Approvals: cURus / TUV / CB / CE.
- Protections: Over Load / Over Voltage / Short Circuit.
- 100% Full Load High Temperature Burn-in Test.
- 2 Years Warranty.
- Packaged in a Box.

Input Voltage Range: 85~264VAC; 120~370VDC
(Selectable by Switch)
Input Frequency: 47~63Hz
Output Adjustment Range: $\pm 10\%$ Rated Output Voltage
Line Regulation: $\leq 0.5\%$



Part No.	DC output	Load regul.	Efficiency
67-0515-1	5V, 0~30A	1%	78%
67-0715-1	7.5V, 0~20A	1%	80%
67-0915-1	9V, 0~16.5A	1%	80%
67-1215-1	12V, 0~12.5A	0.5%	82%

NOTE:

Some AC Adapters are unregulated. All voltage ratings shown are at rated load. For instance a 12volt /500mA unit has an output of 12volts at 500mA. If the load is less than 500mA the output voltage will be higher. Exceeding the output current will damage the adapter. Approximate output graphs are available at the bottom of this page.



AC ADAPTERS



CSA/UL wall mount adapters with **2.1mm or 2.5 mm output plug**. Most available in **centre negative** or **centre positive**.



68-901A-1

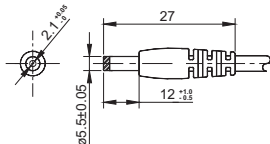
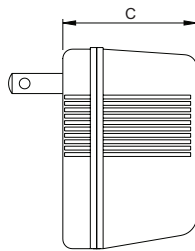
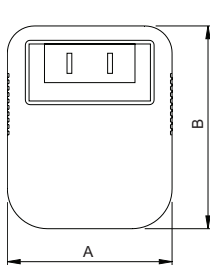
*** See notes below**



68-128P-1 *

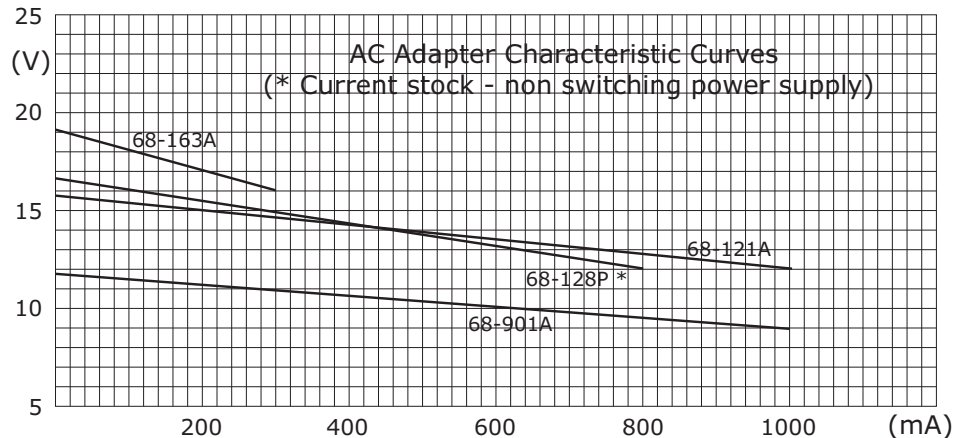
68-650-1	6VDC @ 500mA	centre negative *
68-650P-1	6VDC @ 500mA	centre positive *
68-901A-1	9VAC @ 1 Amp	AC Output
68-950-1	9VDC @ 500mA	centre negative *
68-950P-1	9VDC @ 500mA	centre positive *
68-121-1	12VDC @ 1A	centre negative *
68-121P-1	12VDC @ 1A	centre positive *
68-121A-1	12VAC @ 1A	AC Output
68-125-1	12VDC @ 500mA	centre negative *
68-125P-1	12VDC @ 500mA	centre positive *
68-125P-2.5	12VDC @ 500mA	centre positive *
68-128-1	12VDC @ 800mA	centre negative *
68-128P-1	12VDC @ 800mA	centre positive *
68-128P-2.5	12VDC @ 800mA	centre positive *
68-163A-1	16VAC @ 300mA	AC Output
68-246-1	24VDC @ 600mA	centre negative *

ADAPTER DIMENSIONS (* Current stock - non switching power supply)



2.1mm plug

Part #	A [mm]	B [mm]	C [mm]
68-901A	58.9	84.0	42.0
68-121A	58.0	74.0	48.0
68-128P *	55.6	82.6	45.0
68-163A	50.0	62.0	41.5



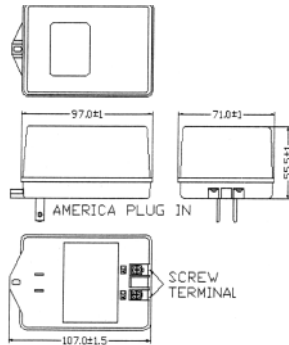
* IMPORTANT NOTE ABOUT AC ADAPTERS:

68-650-1 is now replaced by 68-6500S-1.
 68-650P-1 is now replaced by 68-6500PS-1.
 68-950-1 is now replaced by 68-9006S-1 (600mA).
 68-950P-1 is now replaced by 68-9006PS-1 (600mA).
 68-121-1 remains the same part number, but is now replaced with a switcher.
 68-121P-1 remains the same part number, but is now replaced with a switcher.
 68-125-1 is now replaced by 68-1206S-1 (600mA).
 68-125P-1 is now replaced by 68-1206PS-1 (600mA).
 68-125P-2.5 remains the same part number, but is now replaced with a switcher.
 68-128-1 remains the same part number, but is now replaced with a switcher.
 68-128P-1 will remain the same part number, but will be replaced with a switcher, in the future.
 68-128P-2.5 remains the same part number, but is now replaced with a switcher.
 68-246-1 remains the same part number, but is now replaced with a switcher.

SCREW TERMINAL AC ADAPTERS


68-162AS-1

68-241AS-1



Input:
Voltage: 120V
Frequency: 60Hz
Power: 48VA

Output:
Voltage: 16.5VAC ± 5% (68-162AS-1)
24.5VAC ± 5% (68-241AS-1)
Current: 2.42A (68-162AS-1)
1.67A (68-241AS-1)
Power: 40VA

Operating Temp.: -10°C ~ 40°C

68-162AS-1 16.5VAC ± 5%
68-241AS-1 24.5VAC ± 5%

**2.1mm (FEMALE) - 2.5mm (MALE)
DC ADAPTER**


The 2.1mm to 2.5mm DC Power Plug Adapter is designed to convert your 2.1mm plug to a 2.5mm plug

68-100-0 Bulk
68-100-1 Display Package


**5VDC 1Amp
USB CHARGER**


Small, compact 1Amp USB charger suitable for most cell phones including iPhone, Samsung, etc. also, iPad, iPod and other makes of tablets. Will basically charge any device that uses USB port to charge.

68-105-0 Bulk
68-105-1 Display Package

2.1mm POLARITY CHANGER


Center positive jack to center negative plug and vice versa (Black color)

68-102-0 Bulk
68-102-1 Display Package


**USB CIGARETTE
LIGHTER PLUG
CHARGER**

- Input: 12VDC 1Amp Max.
- Dual 5VDC 1Amp standard USB output ideal for charging devices such as smartphones, MP3 players, iPad, iPod, GPS etc
- Built-in smart protector (overload protection, short circuit protection) makes it safe and reliable
- 2-side spring design to prevent plugs to slide from cigarette lighter
- Low power consumption, low operating temperature and long working life
- LED light shows charging status

68-106-1 Display Package

2.1 to 2.5mm POLARITY CHANGER


Center positive 2.1mm jack to center negative 2.5mm plug and vice versa (Gray color)

68-103-0 Bulk
68-103-1 Display Package

COMPACT TRAVEL ADAPTER


This compact travel adapter contains plug adapters for almost all countries including UK, Europe, US/Canada, Australia, etc. and the best part is they are nested in a small, easy to pack box. Also includes a handy guide to show the plug types in each country.

68-110-1 Display Package



UNIVERSAL TRAVEL ADAPTER WITH USB

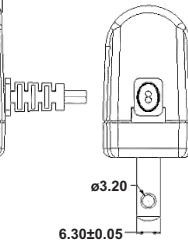
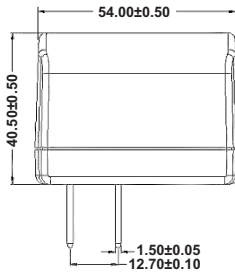
With this adapter you can use power in over 150 countries. Compact design with plug control knob. USB can be used for iPod, iPhone, Blackberry, Motorola, Nokia, Samsung and other powered 5VDC devices.

- AC power rated at 6A
- USB power rated at 500mA
- Can be used with power outlets in USA/Europe/Australia/UK/Japan/PRC
- One universal outlet fits most standard plugs.
- Comes with power indicator
- Plastic housing material: PC-94V0

68-111-1 Display Package

SWITCHING POWER SUPPLIES REGULATED OUTPUT

These switching power supplies will accept input voltages of 90-240VAC 50/60Hz and will provide a constant output voltage (within approx. 10%) from no load to full rated current load. All are cULus approved as well as CE and other approvals. The desk top units come complete with power cords.



2.1mm centre positive
Wall Mount

68-6500PS-1
68-9006PS-1

6VDC @ 0.5A
9VDC @ 0.6A

2.1mm centre negative
Wall Mount

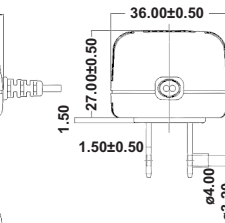
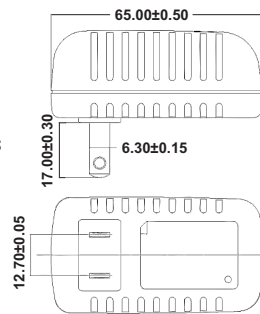
68-6500S-1
68-9006S-1

6VDC @ 0.5A
9VDC @ 0.6A

2.5mm centre positive
Wall Mount

68-125P-2.5

12VDC @ 0.5A



2.1mm centre positive
Wall Mount

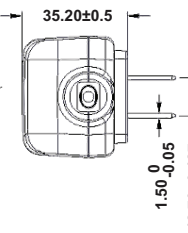
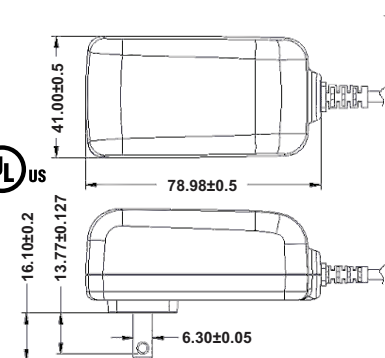
68-1206PS-1

12VDC @ 0.6A

2.1mm centre negative
Wall Mount

68-1206S-1

12VDC @ 0.6A



2.1mm centre positive

68-5020PS-1
68-1210PS-1
68-121P-1

5VDC @ 2A
12VDC @ 1A
12VDC @ 1A

2.1mm centre negative

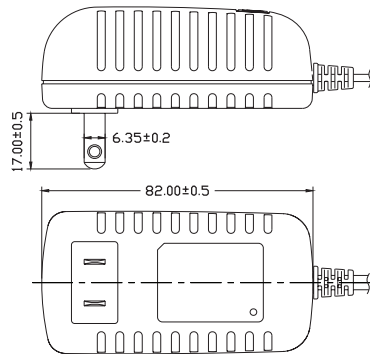
68-121-1
68-128-1

12VDC @ 1A
12VDC @ 0.8A

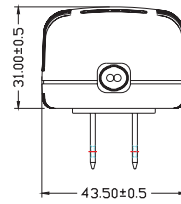
2.5mm centre positive

68-128P-2.5

12VDC @ 0.8A



Wall Mount



2.1mm centre negative

68-122-1

12VDC @ 1.25A

2.1mm centre positive

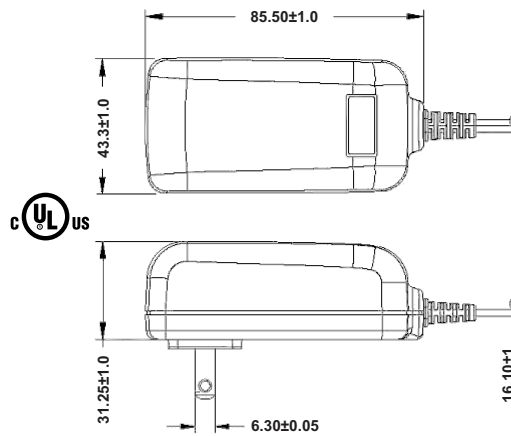
68-5030PS-1
68-9015PS-1
68-122P-1

5VDC @ 3A
9VDC @ 1.5A
12VDC @ 1.25A

2.5mm centre positive

68-122P-2.5

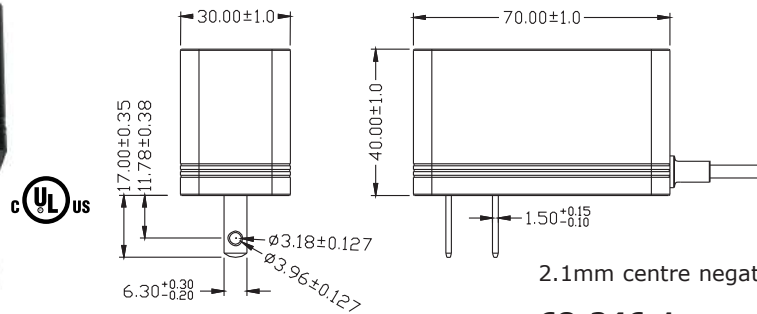
12VDC @ 1.25A



2.1mm centre positive
Wall Mount

68-6020PS-1
68-1216PS-1

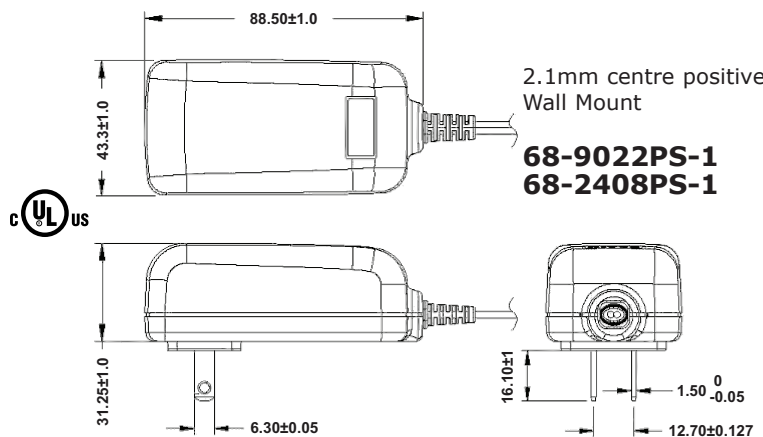
6VDC @ 2A
12VDC @ 1.6A



2.1mm centre negative

68-246-1

24VDC @ 0.6A

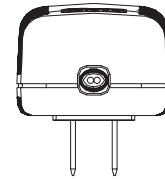
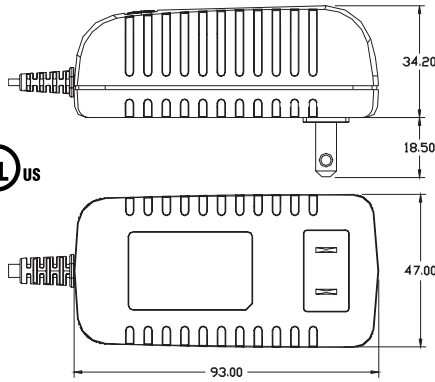


2.1mm centre positive
Wall Mount

68-9022PS-1
68-2408PS-1

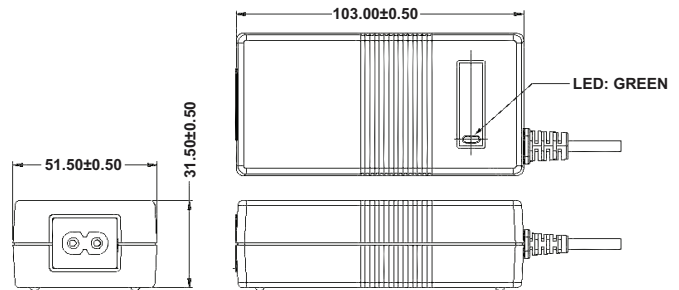
9VDC @ 2.2A
24VDC @ 0.8A





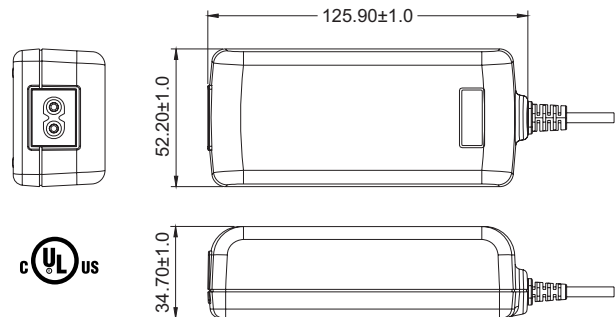
2.1mm centre positive
Wall Mount

68-6030PS-1 6VDC @ 3.0A
68-1225PS-1 12VDC @ 2.5A



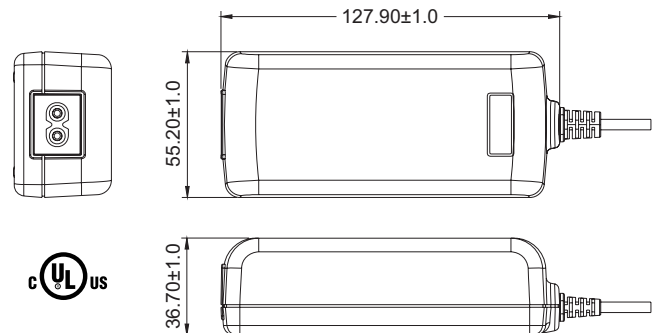
2.1mm centre positive
Desk Top

68-5050PS-1 5VDC @ 5A
68-1230PS-1 12VDC @ 3A



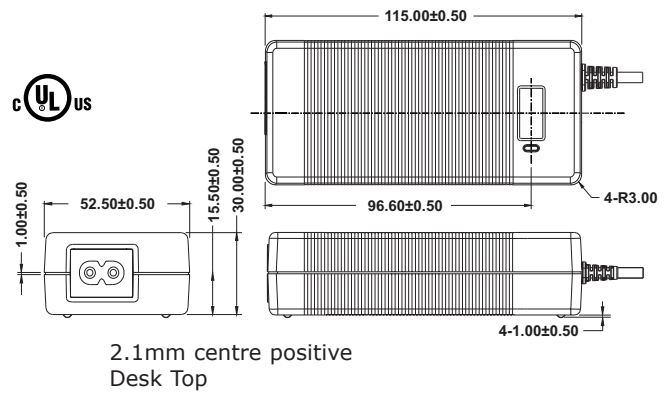
2.1mm centre positive
Desk Top

68-2420PS-1 24VDC @ 2A



2.1mm centre positive
Desk Top

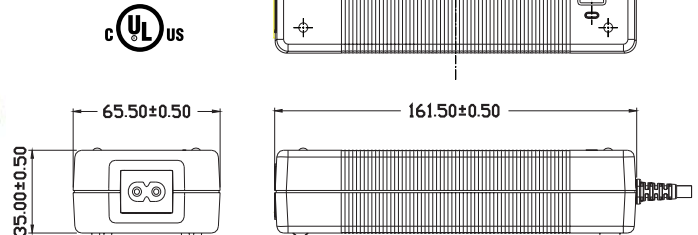
68-2427PS-1 24VDC @ 2.7A



68-1250PS-1 12VDC @ 5A
68-1533PS-1 15VDC @ 3.3A



2.1mm centre positive
Desk Top



68-1270PS-1 12VDC @ 7A



UNIVERSAL SWITCHING ADAPTER REGULATED OUTPUT

This multi-output switching power supply can be used for the output voltages listed below with loads from 0-1.7Amps. The unit comes with an assortment of changeable plugs suitable for most requirements. The plugs can be easily changed to centre positive or negative. The output voltage is selected by a switch on the back of the adapter.

68-519-1 3, 4.5, 6, 7.5, 9, 12VDC @ 1.7A

A note about regulated switching power supplies: some use a sense return line at the output plug to provide a consistent voltage at the output plug regardless of current draw. Removing the output socket or cutting the cord on these adapters will remove the sense line and cause the output voltage to soar, damaging the circuit and voiding your warranty. Do not modify this adapter.

NOTE: There are many more adapters available on special order. If our standard stock units are not suitable please check for availability and minimum order quantities. We would be pleased to quote on your requirements.

EARPHONES



- 70-216-0** 32Ω 3.5mm plug 3' black cord
- 70-217-0** 32Ω 3.5mm plug 1.8m white cord
- 70-218-0** 8Ω 3.5mm plug 6' twisted pink
- 70-220-0** 8Ω 2.5mm plug 3' black cord

Use -1 for Display Package

MICROPHONE



72-118-1

Diecast professional uni-directional microphone.
 Impedance: 600Ω
 Frequency response: 60Hz to 12KHz
 Sensitivity: -73db @ 1KHz
 Weight: 285 grams
 Complete with storage case, 20' cord and bracket.



EXTENSION SPEAKER

70-608-1

8Ω @ 5 watts
 113L x 110W x 66D (mm)
 2 meter cord with 3.5mm plug
 Detachable bracket.

OUTDOOR HORN SPEAKERS



70-703-1

8Ω @ 15 watts
 360Hz - 7.5KHz
 5" x 8" opening
 8" length
 12" wire leads
 Green ABS horn, metal mounting bracket



70-704-1

8Ω @ 20 watts
 360Hz - 7.5KHz
 4.5" x 8" opening.
 9 1/4" length, 12" wire leads. White ABS plastic.



70-706-1

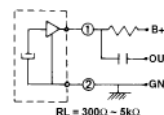
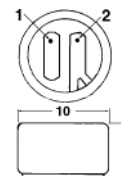
8Ω @ 10 watts 500Hz - 7.8KHz
 5" diameter opening. 6" wire leads. All metal with swivel bracket.



70-707-1

8Ω @ 10 watts 500Hz - 7.8KHz
 5" diameter opening, 6" wire leads. White ABS plastic.

ELECTRET MICROPHONE



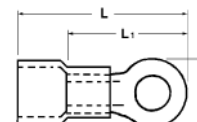
72-160-0

Omni-directional electret cartridge.
 Impedance: same as load resistor (RL)
 Sensitivity: -69db (Vcc=4.5V RL=1KΩ)
 Freq. response: 50Hz - 13KHz
 Input voltage: 1.5V to 10V (Typ. 4.5V)
 Current: 0.6mA maximum
 S/N ratio: over 40db

Use -1 for Display Package

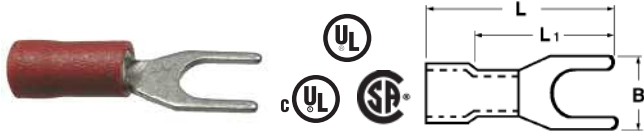
WIRE TERMINALS

INSULATED RING TERMINALS



Wire Range	Stud Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	#4	73-032-0	-100	5.5	17.8	12.8	UL/CUL
	#6	73-033-0	-100	5.5	17.8	12.8	UL/CUL
	#8	73-034-0	-100	6.6	20.1	15.1	UL/CUL
	#10	73-035-0	-100	8.0	21.5	16.5	UL/CUL
	1/4"	73-036-0	-100	11.6	27.0	22.5	UL/CUL
16-14 (Blue)	#6	73-043-0	-100	6.6	18.3	12.8	UL/CUL
	#8	73-044-0	-100	6.6	19.7	13.5	UL/CUL
	#10	73-045-0	-100	8.5	21.5	16.5	UL/CUL
	1/4"	73-046-0	-50	12.0	27.0	22.6	UL/CUL
12-10 (Yel)	#8	73-054-0	-50	7.2	23.0	15.2	UL/CUL
	#10	73-055-0	-50	9.5	25.0	19.3	UL/CUL
	1/4"	73-056-0	-50	12.0	29.5	25.3	UL/CUL

Bulk speaker wire is located on Page 66

INSULATED SPADE TERMINALS


Wire Range	Stud Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	#4	73-132-0	-100	5.7	21.2	16.2	UL/CUL/CSA
	#6	73-133-0	-100	6.4	21.2	16.2	UL/CUL/CSA
	#8	73-134-0	-100	6.4	21.2	16.2	UL/CUL/CSA
	#10	73-135-0	-100	8.1	21.2	16.2	UL/CUL/CSA
16-14 (Blue)	#6	73-143-0	-100	5.7	21.2	16.2	UL/CUL/CSA
	#8	73-144-0	-100	6.4	21.2	16.2	UL/CUL/CSA
	#10	73-145-0	-100	7.9	21.2	16.2	UL/CUL/CSA
	1/4"	73-146-0	-100	9.3	21.2	16.2	UL/CUL/CSA
12-10 (Yel)	#8	73-154-0	-50	8.3	25.5	19.0	UL/CUL/CSA
	#10	73-155-0	-50	9.0	25.5	17.7	UL/CUL/CSA
	1/4"	73-156-0	-50	12.0	29.5	21.0	UL/CSA

INSULATED FLANGED SPADE TERMINALS


Wire Range	Stud Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	#6	73-233-0	-100	7.5	19.0	14.0	UL/CUL
	#8	73-234-0	-100	7.5	19.0	14.0	UL/CUL
	#10	73-235-0	-100	7.5	19.0	14.0	UL/CUL
16-14 (Blue)	#6	73-243-0	-100	7.5	19.5	14.5	UL/CUL
	#8	73-244-0	-100	7.5	19.5	14.5	UL/CUL
	#10	73-245-0	-100	7.5	19.5	14.5	UL/CUL
12-10 (Yel)	#10	73-255-0	-50	8.5	25.2	19.0	UL/CUL

INSULATED FEMALE QUICK CONNECTS

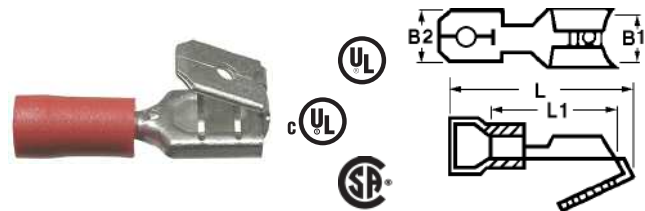

Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.110"	73-331-0	-100	3.8	19.5	15.0	UL/CUL/CSA
	.187"	73-333-0	-100	5.6	19.0	14.0	UL/CUL/CSA
	.250"	73-336-0	-100	7.4	21.0	14.0	UL/CUL/CSA
16-14 (Blue)	.110"	73-341-0	-100	3.8	19.0	14.0	UL/CUL/CSA
	.187"	73-343-0	-100	5.6	19.0	14.0	UL/CUL/CSA
	.250"	73-346-0	-100	7.4	21.0	16.0	UL/CUL/CSA
12-10 (Yel)	.250"	73-356-0	-50	7.4	21.0	16.0	UL/CUL/CSA

INSULATED MALE QUICK CONNECTS


Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.110"	73-431-0	-100	2.80	20.0	15.5	
	.187"	73-433-0	-100	4.80	20.0	15.0	UL/CUL
	.250"	73-436-0	-100	6.35	21.0	16.0	UL/CUL/CSA
16-14 (Blue)	.110"	73-441-0	-100	2.80	20.0	15.5	
	.187"	73-443-0	-100	4.80	20.0	15.0	UL/CUL
	.250"	73-446-0	-100	6.35	21.0	16.0	UL/CUL/CSA
12-10 (Yel)	.250"	73-456-0	-50	6.35	25.0	18.0	UL/CUL/CSA

FULLY INSULATED FEMALE QUICK CONNECTS


Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.187"	73-334-0	-50	5.6	20.0	15.0	UL/CUL/CSA
	.250"	73-337-0	-50	7.4	21.5	16.5	UL/CUL/CSA
16-14 (Blue)	.187"	73-344-0	-50	5.6	20.0	15.0	UL/CUL/CSA
	.250"	73-347-0	-50	7.4	21.5	16.5	UL/CUL/CSA
12-10 (Yel)	.250"	73-357-0	-50	7.4	25.5	20.5	UL/CUL/CSA

PIGGYBACK QUICK CONNECTS


Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions			Cert.
				B	L	L1	
22-16 (Red)	.250"	73-338-0	-50	7.4	21.5	16.5	UL/CUL/CSA
16-14 (Blue)	.250"	73-348-0	-50	7.4	21.5	16.5	UL/CUL/CSA

BUTT CONNECTORS


Wire Range	Bulk Number	Pkg.	Dimensions		Cert.
			L	L1	
22-16 (Red)	73-730-0	-100	24.6	15.0	UL/CUL/CSA
16-14 (Blue)	73-740-0	-50	24.6	15.0	UL/CUL/CSA
12-10 (Yel)	73-750-0	-50	26.5	15.0	UL/CUL/CSA

WIRE TERMINALS



HEAT SHRINK TERMINALS



Wire Range	Bulk Number	Pkg.	Dimensions		Cert.
			L	D	
22-18 (Red)	73-732-0	-25	38.0	1.70	CSA
16-14 (Blue)	73-742-0	-25	38.0	2.46	CSA
12-10 (Yel)	73-752-0	-25	42.0	3.60	CSA

MALE BULLET CONNECTORS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions		
				Bo	L	L1
22-16 (Red)	.157"	73-632-0	-100	4.0	21.6	16.3
16-14 (Blue)	.157"	73-642-0	-100	4.0	21.6	16.3
	.197"	73-644-0	-100	5.0	21.2	16.2
12-10 (Yel)	.197"	73-654-0	-100	5.0	23.8	17.0

FEMALE BULLET CONNECTORS



Wire Range	Tab Size	Bulk Number	Pkg.	Dimensions		
				Bo	L	L1
22-16 (Red)	.154"	73-631-0	-100	3.9	24.0	16.5
16-14 (Blue)	.154"	73-641-0	-100	3.9	24.0	16.5
	.193"	73-643-0	-100	4.9	24.0	16.5
12-10 (Yel)	.193"	73-653-0	-100	4.9	24.0	16.5

CLOSED END CONNECTORS



Wire Range	Bulk Number	Pkg.	Dimensions				Cert.
			d	D	L	L1	
22-18 (Clear)	73-830-0	-50	2.3	6.5	15.2	7.0	UL/CSA
16-14 (Clear)	73-840-0	-50	3.0	6.8	15.2	7.0	UL/CSA
12-10 (Clear)	73-850-0	-50	4.0	9.5	16.6	9.0	UL/CSA

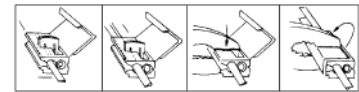
TWIST-ON WIRE NUTS



Bulk Number	Pkg.	Color	Min. Wire	Max. Wire	Cert.
73-961-0	-50	Grey	#22x3	#16x2	UL/CSA
73-962-0	-50	Blue	#18x1+#22x2	#14x1+#16x1	UL/CSA
73-963-0	-50	Orange	#20x3	#14x2+#16x1	UL/CSA
73-964-0	-50	Yellow	#18x1+#22x1	#14x2+#16x2	UL/CSA
73-965-0	-50	Red	#18x3	#10x3	UL/CSA



WIRE TAPS



Wire Range	Bulk Number	Pkg.	Color
22-18	73-760-0	-25	Red
18-14	73-770-0	-25	Blue
12-10	73-780-0	-25	Yellow

TERMINAL ASSORTMENTS



73-002-1

180 Piece Terminal Assortment in a sturdy reusable plastic box. Contains all the most popular ring, spade, butt and quick connect terminals.



73-006-1

Butt connector assortment. Contains 25 each of 3 wire sizes (22-16 AWG, 16-14 AWG, 12-10 AWG). Sturdy reusable plastic box.



73-008-1

Closed end connector assortment. Contains 25 each of 2 wire sizes (22-18 AWG, 22-14 AWG) and 15 of 22-10 AWG wire size. Sturdy reusable plastic box.



73-009-1

Wire nut assortment. Contains 24 each Gray, Blue and Orange, 15 each Yellow and Red. Sturdy reusable plastic box.

All wire terminals are available in low cost but attractive re-usable econo-packs. These packages contain smaller quantities of each terminal. Order part number with **EP** at end. For example 73-653EP.

ECONO-PACKS



WIRE FERRULES



Wire Ferrules are used to provide a reliable wire contact for terminal block connections. They are crimped onto the wires using our 84-194-1 crimp tool.

Bulk #	Pkg	Size	Color
73-510-0	-100	26AWG	Light Blue
73-512-0	-100	24AWG	Pink
73-514-0	-100	22AWG	White
73-516-0	-100	20AWG	Blue
73-518-0	-100	18AWG	Red
73-520-0	-100	16AWG	Black
73-522-0	-100	14AWG	Grey
73-524-0	-100	12AWG	Orange
73-526-0	-100	10AWG	Green



WIRE FERRULE ASSORTMENT

Contains 30 each of 6 wire sizes (24AWG-Pink, 22AWG-White, 20AWG-Blue, 18AWG-Red, 16AWG-Black, 14AWG-Grey). Sturdy reusable plastic box.

73-005-1

WIRE CLAMPS

Typically, the process of connecting two wires requires you to strip the wire's cover, connect the wires, and taping. But with these wire clamps the process has been simplified and easy for anyone to use. These wire clamps are waterproof and dustproof. Also there is absolutely no risk of electric shock when these clamps are used.

Rated Voltage: 600V



SINGLE WIRE CLAMPS



T-WIRE CLAMPS



2X2 WIRE CLAMPS



Bulk #	Pkg	Wire Range [AWG / mm ²]	Waterproof	Max. Current	Contacts
73-862-0	-10	16-14 / 1.25-2.0	IP 33	15 Amps	6
73-863-0	-5	13-12 / 2.25-3.0		20 Amps	6
73-864-0	-5	11-10 / 3.25-5.0		30 Amps	6
73-871-0	-5	19-17 / 0.75-1.0		10 Amps	4
73-873-0	-5	13-12 / 2.25-3.0		20 Amps	6
73-874-0	-5	11-10 / 3.25-5.0		30 Amps	6
73-880-0	-5	25-20 / 0.20-0.5		3 Amps	4
73-881-0	-5	19-17 / 0.75-1.0		10 Amps	4


81-011-1
ANALOG MULTIMETER

- *Audible continuity checker
 - *db output
 - *Battery check: 1.5V, 9V
 - *Fuse protected
 - *c/w Test leads & battery
- D.C. Volts: 2.5, 10, 50, 250, 500V (3%)
A.C. Volts: 10, 50, 250, 500V (5%)
D.C. Current: 5, 50, 500mA, 5A (3%)
Resistance: x1Ω, x10Ω, x1KΩ
Size: 78 x 145 x 38mm (330g)


81-020-1
POCKET DIGITAL MULTIMETER

- *3 1/2 Digits
 - *Diode test
 - *Transistor test
 - *Protective holster
 - *c/w Test leads & battery
- D.C. Volts: 200mV, 2, 20, 200, 600V (.5%)
A.C. Volts: 200, 600V (1.2%)
D.C. Current: 200μA, 2mA, 20mA, 200mA, 10A (1%)
Resistance: 200, 2K, 20K, 200K, 2MΩ (.8%)
Size: 70 x 126 x 24mm


81-026-1
DIGITAL MULTIMETER

- *3 1/2 Digits
 - *Data Hold
 - *Audible continuity test
 - *Frequency
 - *Capacitance
 - *Temperature
 - *Transistor test
 - *Diode test
 - *c/w Test leads & battery
- D.C. Volts: 200mV, 2, 20, 200, 1000V (.8%)
A.C. Volts: 200mV, 2, 20, 200, 750V (1.2%)
D.C. Current: 200μA, 2mA, 20mA, 200mA, 10A (1%)
A.C. Current: 200μA, 2mA, 20mA, 200mA, 10A (1.5%)
Resistance: 200, 2K, 20K, 200K, 2M, 20MΩ (1%)
Capacitance: 2n, 20nF, 200nF, 2μF, 20μF (3%)
Frequency: 2K, 20K, 200K, 2M, 20MHz (.5%)
Temperature: 300 C / 572 F (requires thermocouple)
Size: 74 x 153 x 45mm


81-040-1
DIGITAL THERMOMETER

- *3 1/2 Digits
 - *-50 to 750 Degrees C
 - *.75% Accuracy
 - *'K' Thermocouple
 - *c/w Battery
- Size: 72 x 125.5 x 27mm

81-041-0
K TYPE THERMOCOUPLE

Replacement thermocouple for 81-040-1

NETWORK CABLE TESTER

81-100-1 Pkg.

RJ11/RJ45 Cable tester. Master and Removable remote (batteries not included)


RECEPTACLE CIRCUIT TESTER

81-110-0 Bulk
81-110-1 Pkg.

Test AC receptacles for voltage and correct wiring with this handy tool.

VOLTAGE DETECTOR


Electronic Voltage Detector with Buzzer.

- *Tests voltage from 100VAC to 600VAC
- *Locates breaks along live, insulated wires and power cords
- *Audible and visual indication
- *Four-section power/sensitivity switch (H,L,M,off)
- *Two LR44, 1.5V batteries included
- *With GS, UL, cUL and RoHS approval

81-112-0 Bulk
81-112-1 Pkg.
NEON VOLTAGE TESTER


A handy pocket voltage tester c/w leads.

- Working voltage range: 90-300V AC/DC
- Frequency: 50/60Hz
- Over voltage category: CAT III 300V
- Working temperature: 5°C to 40°C
- Altitude: up to 2000m
- Recommended use: indoor

81-114-0 Bulk
81-114-1 Pkg.



For over 50 years EDSYN has been manufacturing high quality precision soldering and desoldering tools and associated equipment. Don't compromise on quality and features, always specify EDSYN.

Desoldering



13" Long

DS017 Bulk
DS017-P Display Pkg.

The 'Original' Deluxe desoldering tool. Designed for heavy duty, high volume applications. Retractable shaft guide for easy storage. Use replacement tip **SRT12** and **ODS31** 'O' ring.



13" Long

DS017LS Bulk

Low static Deluxe desoldering tool. Designed for heavy duty, high volume applications. Retractable shaft guide for easy storage. Use replacement tip **LS197** and **ODS31** 'O' ring.



13" Long

AS196 Bulk

Static Safe Deluxe desoldering tool. Designed for heavy duty, high volume applications. Retractable shaft guide for easy storage. Use replacement tip **LS197** and **ODS31** 'O' ring.



8" Long

US140 Bulk
US140-P Display Pkg.

Single handed desoldering tool. Powerful vacuum in a smaller, easier to handle tool. Use replacement tip **SRT12** and **ODS31** 'O' ring.



LT-1 Lead free tip tinning compound (.5 oz.)

Care and feeding of your desoldering tool:

Make sure the tip is always clear - remove any solder build up. Always lubricate the 'O' rings with **OL111** lubricant. Avoid burning the tip with your soldering iron.



VACUUM PICK-UP TOOL

The LP200 is a handy full-size vacuum pick-up tool. 130mm long c/w 3mm, 5mm and 10mm tips.

LP200

Visit our Web Site at
<http://www.mode-elec.com>



951SX Temperature Controlled Soldering Station

High Reliability and temperature accuracy make the 951SX our most popular soldering station. This unit features accurate linear temperature control, modular assembly for easy maintenance and external calibration. A very wide variety of soldering and SMT tips are available to service any requirement. C/W LT375 Tip, SH230 Sponge Holder, RS199 Sponge and Wigapry solder aid.

Specifications:

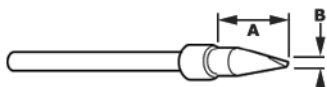
Power Requirements:	120V 60Hz
Power Rating:	15W - 220W
Heater Rating:	120V 95W
Temperature Range:	400°F - 800°F (205 - 427°C)
Temperature Regulation:	+/- 6°F (+/- 3°C)
Tip to ground Leakage:	<2mV
Size:	4.1" W x 8.2" H x 10" D

Maintenance Tips for your Soldering Station:

- * Always use genuine Edsyn soldering tips.
- * To prevent tip from seizing, remove tip and clean regularly.
- * Keep tips well tinned for better performance.
- * Keep temperature as low as possible.
- * Replace sponge regularly to prevent contamination.

Loner General Purpose and Lead-Free Soldering Tips

(for 951SX Soldering station)



Spade Tips

Standard	Lead-Free		A	B
LT375	LT375LF		.48" (12.2mm)	.06" (1.5mm)
LT376	LT376LF		.48" (12.2mm)	.12" (3.0mm)
LT395			.74" (18.8mm)	.09" (2.3mm)
LT444			.78" (19.8mm)	.04" (1.0mm)

Conical Tips

LT374	LT374LF		.48" (12.2mm)	.03" (0.8mm)
LT382			.62" (15.8mm)	.02" (0.5mm)

Use - P for Display Packaging (Standard Soldering Tips only)

Mode electronics carries an extensive stock of consumables and replacement parts for Edsyn products - some of these items are listed below:

RS199	Cleaning Sponge (for all soldering stations)
RS372	Retaining Sleeve (for 951SX)
SR060	Heater Assembly (for 951SX)
SH230	Cleaning Sponge Assy (for 951SX)
SRT12	Tip for DS017 & US140 Soldapullit
LS197	Tip for AS196
ODS31	'O' ring for DS017 series & AS196
OL111	'O' ring lubricant



FXF11 BENCH TOP FUME EXTRACTOR FANS

Bench top systems provide an inexpensive means of removing a good percentage of soldering fumes from a localized space. These units feature a rotating primary filter and charcoal impregnated stationary filter. These systems do not remove all particulate matter.

XF01 Filter set (one XF02 & one XF03)

**90 DAY
WARRANTY**



DUAL HEAT SOLDERING IRON STATION

- Coil spring iron holder for extra safety
- Sponge-pad tip cleaner
- Switchable 20/40 watt iron with ON/OFF switch and light
- Space saving design

84-090-1 Pkg.

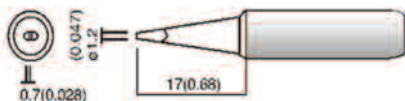
REPLACEMENT TIP FOR 84-090-1



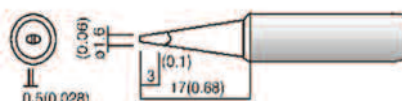
Replacement tip for 84-090-1 soldering iron station.

84-091-0 Bulk

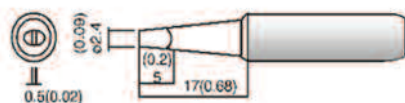
REPLACEMENT TIPS FOR 84-0921-1 60W DIGITAL SOLDER STATION (84-0921-1 IS NOT AVAILABLE ANY MORE)



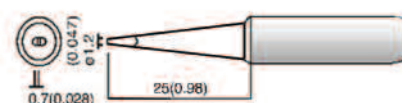
84-0922-0 Bulk
84-0922-1 Pkg.



84-0923-0 Bulk
84-0923-1 Pkg.



84-0924-0 Bulk
84-0924-1 Pkg.

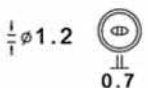


84-0925-0 Bulk
84-0925-1 Pkg.

REPLACEMENT HEATER FOR 84-0921-1



84-0929-0 Bulk
84-0929-1 Pkg.



1.2 MM REPLACEMENT TIP FOR 84-0931-1 90W DIGITAL SOLDER STATION (84-0931-1 IS NOT AVAILABLE ANY MORE)

84-0932-0 Bulk

FUME EXTRACTOR



Specs:

- Max. air vol.: 95/115 CFM
- Input voltage: 120VAC
- Wattage: 20 - 22W
- Dim.: 162 x 200 x 120 mm
- Weight: 1600 grams

Features:

- Replaceable activated carbon filter (3 filters included)
- Effectively absorbs noxious flux and fumes
- Built in high efficiency, low noise, brushless mini fan

84-0981-1 Pkg.

REPLACEMENT ACTIVATED CARBON FILTER FOR 84-0981-1



Specs:

- Dim.: 130 x 130 x 10 mm
- Weight: 12 grams

Features:

- Made by joining specific foam with refined activated carbon)
- The dust collection efficiency of the filter is 30% while the carbon filter can absorb up to 30% of its carbon weight in noxious components
- Set of 3 filters

84-0982-0 Bulk

BUTANE SOLDERING IRON KIT



- Butane Soldering Iron with ignitor & flow control
- Comes with a deflector suitable for heat shrink tubing, a flat blade type tip, a regular solder tip and a length of lead free solder
- Uses a platinum catalyst
- Protective plastic case
- (Butane not included)

84-097-1 Pkg.

REPLACEMENT TIP FOR 84-097-1



Replacement tip for 84-097-1 butane soldering iron.

84-097T-0 Bulk

SOLDERING IRON



30 watt cULus approved soldering iron with a 2 wire AC cord. Stainless steel barrel and nickel plated replaceable tips. Black heat resistant high impact handle.

84-101-0 Bulk

84-101-1 Pkg.

DESOLDERING TOOL



Suction type desoldering tool has aluminum barrel, enclosed plunger, teflon tip and is self cleaning.

84-110-1 Pkg.

PRECISION DESOLDERING PUMP



High Vacuum, heavy duty desoldering pump has fully enclosed shaft (for safety) and teflon tip.

84-112-1 Pkg.

REPLACEMENT TIP FOR 84-101-0



4 mm replacement tip for 84-101-0 soldering iron.

84-102-0 Bulk

SOLDERING IRON STAND



Soldering iron stand for 84-101-0 soldering iron

84-103-1 Bulk

TIP CLEANER AND STAND



Made of low abrasive brass shavings with no water required. No temperature drop as with conventional sponges. Stainless steel holder and rubber foot pad.

84-105-0 Bulk

84-105-1 Pkg.

REPLACEMENT BRASS SHAVINGS



Replacement brass shavings for 84-105-0 tip cleaner

84-106-0 Bulk

84-106-1 Pkg.

REPLACEMENT TIP FOR 84-110-1



84-111-0 Bulk

REPLACEMENT TIP FOR 84-112-1



84-113-0 Bulk

ANTI-STATIC DESOLDERING PUMP



This desoldering pump is anti-static and has precision metal plunger.

84-114-1 Pkg.

REPLACEMENT TIP FOR 84-114-1



84-115-0 Bulk

ANTI-STATIC DESOLDERING PUMP



Features:

- High Vacuum, heavy-duty precision desoldering pump
- Static safe
- Fully enclosed shaft for safety
- Teflon tip

84-116-1 Pkg.

REPLACEMENT TIP FOR 84-116-1



84-117-0 Bulk

TWEEZERS

Stainless steel, non-magnetic fine tip - 130mm [5 1/8"] Long.

84-125-0

Bulk

84-125-1

Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long

84-127-0

Bulk

84-127-1

Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long

84-128-0

Bulk

84-128-1

Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long

84-129-0

Bulk

84-129-1

Display Pkg.



Stainless steel, non-magnetic tip - 120mm [4 3/4"] Long

84-130-0

Bulk

84-130-1

Display Pkg.



Stainless steel, non-magnetic fine tip - Smooth inside points. 125mm [4 7/8"] Long. Made in Japan

84-131-0

Bulk

84-131-1

Display Pkg.



Stainless steel, non-magnetic tip - 115mm [4 1/2"] Long

84-132-0

Bulk

84-132-1

Display Pkg.



Stainless steel, non-magnetic fine tip - 120mm [4 3/4"] Long

84-134-0

Bulk

84-134-1

Display Pkg.



Stainless steel, non-magnetic serrated tip - 120mm [4 3/4"] Long
84-134B-0 Bulk **84-134B-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 130mm [5 1/8"] Long.
84-137-0 Bulk **84-137-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 120mm [4 3/4"] Long
84-142-0 Bulk **84-142-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 115mm [4 1/2"] Long
84-143-0 Bulk **84-143-1** Display Pkg.



Stainless steel, non-magnetic fine tip - 108mm [4 1/4"] Long
84-144-0 Bulk **84-144-1** Display Pkg.



TWEEZER SETS

Two piece tweezers set - 1 straight and 1 curved serrated tip stainless steel tweezers.
84-124-0 Bulk **84-124-1** Display Pkg.



Four piece tweezers set - 1 straight, 1 angled, 1 wafer and 1 self-locking. Stainless Steel.
84-389-0 Bulk **84-389-1** Display Pkg.



SEIZERS



125mm stainless steel curved tip clamping forceps.

84-145-0 Bulk
84-145-1 Pkg.



160mm stainless steel curved tip clamping forceps with serrated jaws and insulated handles.

84-147-0 Bulk
84-147-1 Pkg.



160mm stainless steel straight tip clamping forceps with serrated jaws and insulated handles.

84-148-0 Bulk
84-148-1 Pkg.

CLASSIC MAGNIFYING GLASSES



Lens dia.: 50 mm
Magnification: 4.5X
Lens: Glass

84-149-0 Bulk

84-149-1 Pkg.



Lens dia.: 90 mm
Magnification: 2.25X
Lens: Glass

84-1491-0 Bulk

84-1491-1 Pkg.

EYE LOUPE



Lens dia.: 20 mm
Magnification: 7.5X
Lens: Glass

84-1498-0 Bulk

84-1498-1 Pkg.

POCKET MAGNIFIER



Lens dia.: 40 mm
Magnification: 5X
Lens: Glass

84-1500-0 Bulk

84-1500-1 Pkg.

OPTIVISOR

- 5 Lens magnification can be combined to increase magnification up to 8.3x
- Fixed lens magnification: 1.9x
- Flip lens magnification: 1.9x
- Loupe lens magnification: 4.5x



84-1511-1
Pkg.



- 2 Bright white LED lights
- Angle of light can be adjusted vertically & horizontally
- Requires two AAA batteries (not included)
- Adjustable head strap with turn dial on the back
- Can be used as a headlamp

ILLUMINATED FLUORESCENT MAGNIFIER

- 5 inch 5 diopter Glass Magnifier with protective cover
- 30" (2 x 15") spring balanced articulated arms with enclosed springs
- Complete with bench clamp
- T4 - 22W energy saving fluorescent bulb (included)
- cETUs safety approved. ELT is an accepted safety approval in Canada and the U.S.
- Attractive printed box



84-1550-1 Pkg.

REPLACEMENT T4 LAMP

84-1551-0 Bulk

CRIMP TOOLS

DELUXE MODULAR CRIMP TOOL



Deluxe crimp tool cuts, strips and crimps modular plugs.

12-306-1 6P/4C & 6C

12-308-1 8P/8C

DELUXE MODULAR CRIMP TOOL



12-309-1 Pkg.

- 8P/8C (RJ45) precision crimper.
- Cuts and strips both flat and round modular cable.
- Extremely comfortable cushioned handles.
- Ratchet action with easy release.

MODULAR CRIMP TOOL



12-310A-1 Pkg.

This versatile tool will crimp 4, 6 and 8 pin modular plugs. It also has a wire cutter and stripper built-in. Simple to use, extremely durable.

TERMINAL CRIMP TOOL



Multi-purpose tool for stripping and crimping wire terminals. Features cushion grip handles, bolt and wire cutter.

84-150-1 Pkg.

PREMIUM CRIMP/STRIP TOOL


Very high quality multi-purpose stripper (20 - 10 AWG), insulated and non-insulated crimper (22 - 10 AWG), bolt cutter (4 - 40, 6 - 32, 8 - 32, 10 - 32, 10 - 24) and wire cutter. Comfortable cushion grips.

84-151-1 Pkg.

COMPRESSION CRIMP TOOL


- For crimping F/BNC/RCA Rg-58/59/62/6(3C/4C/5C) type compression
- Suitable for: 21-009, 21-010, 21-355, 21-356, 24-105 and 24-106 connectors
- Compressed dist. for F connector: 15.8~25.8mm
- Compressed dist. for BNC connector: 28.2~38.2mm

- Compressed dist. for RCA connector: 28.2~38.2mm
- Size: 9.1" (231mm)

84-156-1 Pkg.

ECONOMY WATERPROOF 'F' TOOL


This inexpensive tool is designed for waterproof F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors

84-157-1 Pkg.

WATERPROOF 'F' CONNECTOR TOOL


- Works on F type RG-59(4C) & RG-6(5C) compression connectors
- This tool is designed for the 21-009 and 21-010 F connectors. It also works on Augat/T&B Snap-N-Seal™ Connectors, Paladin SealTite™ Connectors, and AIM CATV F waterproof connectors

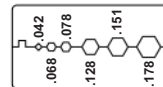
- Compressed distance: 20.30±0.15mm
- Size: 8.5" (216mm)

84-158-1 Pkg.

HEAVY DUTY CRIMP TOOL

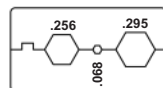

This tool is suitable for all hexagonal crimp F59 connectors including integral ring types. Hex crimp size for RG59 (.255") and RG6 (.322"). Comfortable cushion grip handles.

84-159-1 Pkg.

PRECISION HEX CRIMP TOOL


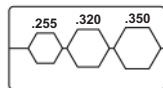
Precision hex coax connector crimp tool suitable for many coax connector applications. Hex die sizes .042", .068", .078", .128", .151" and .178". Suitable for RG174/u, RG179/u, Belden 8218 and Fiber Optic.

84-170-1 Pkg.

PRECISION HEX CRIMP TOOL


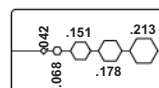
Precision action hex crimp tool. Hex die sizes .068", .256" and .295". Suitable for RG59 and RG6.

84-171-1 Pkg.

PRECISION HEX 'F' CRIMP TOOL


Precision action hex crimp tool for 'F' connectors. Hex die sizes .255", .320" and .350". Suitable for RG59 and RG6.

84-172-1 Pkg.

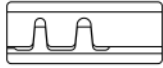
PRECISION HEX CRIMP TOOL


Precision action hex crimp tool for fiber optic, SMA and SMB connectors. Hex die sizes .042", .068", .151", .178" and .213". Suitable for RG58, RG174, Belden 8281 and Fiber Optic.

84-173-1 Pkg.

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

PRECISION D-SUB CRIMP TOOL



Precision action D-sub connector crimp tool. Suitable for AWG 14-22 wires. It can also be used for the 37-930-0, 37-940-0 and 37-970-0 wire contacts.

84-174-1 Pkg.

RF CONNECTOR CRIMP TOOL



Precision crimp tool for RF connectors. This tool features ratchet tension for reliable crimps. It has 5 hexagon crimp dies for most RF crimp rings and centre pins. Sizes of dies are shown below with the appropriate cable.

Size	Cable size
.068"	centre conductor
.100"	centre conductor
.213"	RG55,58,141,142,223,303,400
.255"	RG59,62,140,210,Belden 8279
.324"	RG5,6,21,143,212,222,304 and Belden 8281,9231,9141

84-180-1 Pkg.

RF CRIMP TOOL



Precision crimp tool for RF connectors. This tool has 3 precision hexagon crimp dies suitable for RG58, RG59 and RG62 crimp rings and centre pins.

Size	Cable size
.068"	centre conductor
.213"	RG55,58,141,142,223,303,400
.256"	RG59,62,140,210,Belden 8279

84-181-1 Pkg.

FERRULE CRIMPING TOOL



Wire Ferrules are used to crimp on wire ends that are inserted into any type of terminal block. They provide a durable and reliable connection point.

Wire Sizes: 28 - 10 AWG (0.08 - 6 mm²)

84-194-1 Pkg.

TERMINAL CRIMP TOOL



For insulated wire terminals. This crimp tool features ratchet action for positive crimping. It is suitable for insulated wire terminals for wire sizes 10-22AWG. Flat type crimp.

84-195-1 Pkg.

TERMINAL CRIMP TOOL



For insulated wire terminals. This crimp tool features ratchet action for positive crimping. It is suitable for insulated wire terminals for wire sizes 10-22AWG. Stepped type crimp.

84-198-1 Pkg.

TERMINAL CRIMP TOOL



This crimp tool features ratchet action for positive crimping. It is suitable for most uninsulated wire terminals for wire sizes 14-20AWG. It can also be used for the 37-930-0 and 37-940-0 .093" terminals.

84-199-1 Pkg.

D-SUB CRIMP TOOL



This D-sub crimp tool features ratchet action for positive crimping and has separate cavities for 24-30 and 18-22 AWG wire sizes. Suitable for most D-sub contacts as well as 37-900-0 and 37-910-0 .062" contacts.

84-200-1 Pkg.

D-SUB CRIMP TOOL



Economy D-sub crimp tool suitable for 28-20 AWG wire sizes.

84-201-1 Pkg.



The crimp dies can be inserted into the crimp handle easily without any tools - the advantage of this concept is that you only require one crimp handle and any number of crimp dies that can be changed quickly and easily in the field. There is also a sturdy carrying case for the crimp handle and up to five die sets.

**QUICK CHANGE
RATCHET CRIMPER**


84-0060-0 Bulk (Use -1 for Disp. Pkg.)


COAX HEX CRIMP DIE


RG 174, 179, Belden
8218 Fiber Optic
.042"/.068"/.078"/
.128"/.151"/.178

84-0061-0 Bulk (Use -1 for Disp. Pkg.)


**D-SUB OR OPEN BARREL
TERMINAL
CRIMP DIE**

14/22

84-0062-0 Bulk
(Use -1 for Disp. Pkg.)


COAX HEX CRIMP DIE

RG 58, 59, 62, 6
.255"/.213"/.100"/
.068"/.324"

84-0063-0 Bulk (Use -1 for Disp. Pkg.)


COAX HEX CRIMP DIE

RG 58, 59, 62, 174
.255"/.187"/.068"/
.213"

84-0064-0 Bulk
(Use -1 for Disp. Pkg.)


WIRE FERRULE CRIMP DIE


AWG 22/20/18/16/14/12
White, Blue, Red, Black,
Grey, Orange

84-0065-0 Bulk (Use -1 for Disp. Pkg.)


INS. TERM. CRIMP DIE

AWG 22-18/16-14/
12-10

Red, Blue, Yellow

84-0066-0 Bulk
(Use -1 for Disp. Pkg.)


UNINSULATED TERM. CRIMP DIE


AWG 22-18/16-14/
12-10/8

84-0067-0 Bulk (Use -1 for Disp. Pkg.)


**BLOW MOLDED
CRIMP TOOL CASE**

Quick Change Ratchet
Crimper and Dies not
included.

84-0070-0 Bulk



Contains 84-0061-0 Quick Change
Coaxial connector crimp die +
84-0060-0 Quick Change Handle

84-0071-1 Display Pkg.



Contains 84-0063-0 Quick Change
Coaxial connector crimp die +
84-0060-0 Quick Change Handle

84-0072-1 Display Pkg.



Contains 84-0064-0 Quick Change
Coaxial connector crimp die +
84-0060-0 Quick Change Handle

84-0073-1 Display Pkg.



Contains 84-0062-0 Quick Change
D-Sub open terminal Crimp Die +
84-0060-0 Quick Change Handle

84-0074-1 Display Pkg.



Contains 84-0066-0 Quick Change
Insulated Terminal crimp die +
84-0060-0 Quick Change Handle

84-0075-1 Display Pkg.



Contains 84-0067-0 Quick Change
Uninsulated Terminal crimp die +
84-0060-0 Quick Change Handle

84-0076-1 Display Pkg.



Contains 84-0065-0 Quick Change
Wire Ferrule crimp die + 84-0060-0
Quick Change Handle

84-0077-1 Display Pkg.


**COAXIAL CRIMP
KIT**

84-0060-0 Quick
change handle + 84-
0063-0 + 84-0064-0
quick change dies in
the 84-0070-0 case

84-0078-1 Pkg.


**WIRE TERMINAL
KIT**

84-0060-0 Quick
change handle + 84-
0066-0 + 84-0067-0
quick change dies in
the 84-0070-0 case

84-0079-1 Pkg.

CATEGORY 5 TOOLING



13-180-0 Bulk **13-180-1** Pkg.
Adjustable impact punch tool - using one of the inserts below this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jacks.

13-186-1 Pkg.
Adjustable impact punch tool c/w 13-183-0 insert.
Attractive display Package.



13-181-0 Bulk **13-181-1** Pkg.
Non-impact punch tool - using one of the inserts below this tool will insert and trim wires for the 13-112-0 & 13-113-0 keystone jack.

13-187-1 Pkg.
Non-impact punch tool c/w 13-183-0 insert.
Attractive display package.

Inserts for 13-180-0 and 13-181-0 punch tools.



13-182-0
For 66 type terminals- reversible punch or punch & cut



13-183-0
For 110 type terminals- reversible punch or punch & cut

Use -1 for Display Package



13-185-0
Universal stripping tool for round or flat Cat 5 cable.
Use -1 for Display Package



13-189-0
Disposable punch-down tool. Suitable for 5-6mm OD UTP/STP cable.
Use -1 for Display Package

CABLE TIE TOOL



34-900-0 Bulk **34-900-1** Pkg.
Handy cable tie tensioner and cut-off tool. Made of very durable polymer material.

STRAIN RELIEF INSTALLATION TOOL



34-901-1 Installation Tool Disp. Pkg.

EXTRACTION TOOLS



37-950-1 Pkg.
Extraction tool for .093" terminals. (37-930-0, 940)

37-951-1 Pkg.
Extraction tool for .062" terminals. (37-900-0, 910)

D-SUB INSERTION/EXTRACTION TOOL



84-202-0 Bulk **84-202-1** Pkg.
Handy tool for inserting and extracting D-sub crimped pins.



721 Bulk
721-P Display Package
Precision wire stripper. Serrated tip & Lock. Strips wire sizes 20-10AWG. Soft plastic coated handles. (Length 159mm)



103-S Bulk
103-S-P Display Package
Spring return, Cam adjust & close lock. Strips wire sizes up to 10AWG. Soft plastic coated handles. (Length 130mm)



821 Bulk
821-P Display Package
Precision wire stripper. Serrated tip & Lock. Strips wire sizes 26-16AWG. Soft plastic coated handles. (Length 159mm)

Miller wire strippers are recognized as the best quality in the Industry. Don't settle for anything less.

COAXIAL CABLE STRIPPER**For
RG58 & 59**

This easy to use cable stripper is suitable for RG58 and RG59 coaxial cable. Two separate cutting knives can be individually adjusted for depth.

84-182-1 Pkg.**COAXIAL CABLE STRIPPER****For
RG6 & 59**

This easy to use cable stripper is suitable for RG6 and RG59 coaxial cable. Two separate cutting knives can be individually adjusted for depth.

84-183-1 Pkg.**COAXIAL CABLE STRIPPER**

3 blades rotary coaxial stripper for RG6, RG58 and RG59 cables. This stripper has been designed for stripping the above cables without any adjustments. Stripping length is preset to 12 mm. For stripping other lengths the blades can be adjusted.

84-184-1 Pkg.**AUTOMATIC WIRE STRIPPER**

Die-cast single action wire stripper - strips 8-22 AWG solid or stranded wire. Insulated handles.

84-396-0 Bulk**84-396-1** Pkg.**PRECISION WIRE STRIPPERS**

Precision ground and polished strippers-Cushion grip handles.

84-397-0 Bulk**84-397-1** Pkg.

Strips 10-22 AWG (Solid), 12-24 AWG (Stranded)

84-398-0 Bulk**84-398-1** Pkg.

Strips 14-24 AWG (Solid), 16-26 AWG (Stranded)

84-399-0 Bulk**84-399-1** Pkg.

Strips 20-30 AWG (Solid), 22-30 AWG (Stranded)

ADJUSTABLE WIRE STRIPPER

Screw type adjustable wire stripper with spring.

84-402-0 Bulk**84-402-1** Pkg.**SELF-ADJUSTING WIRE CUTTER/STRIPPER**

Back by popular demand, this Italian designed stripper is one of the best we've ever used. Very easy to use and the patented stripper design will not damage the wires.

Suitable range: Single or multiple cables from 0.6mm² to 5.0mm²

84-405-1 Pkg.

MODE ELECTRONICS LTD.
211 - 2999 UNDERHILL AVE.,
BURNABY, B.C., CANADA, V5A 3C2
Phone: 604-435-6633
Fax: 604-435-8890
Toll Free: 1-800-663-4992
Web Site: www.mode-elec.com

STAINLESS STEEL CUTTERS

These stainless steel cutters are the best value around. They are some of the finest quality cutters we have seen. They are premium tools but not at premium prices.

FLUSH CUT CUTTERS (3 1/2")



3 1/2" stainless steel cutters with spring and cushion grip handles. Precision ground cutting surfaces.

84-406-0 Bulk

84-406-1 Pkg.

OBLIQUE CUT CUTTERS (5")



5" stainless steel cutters with oblique (angled) flush cut tip. Spring and cushion grip ESD handles.

84-4085-0 Bulk

84-4085-1 Pkg.

BEVEL CUT CUTTERS (4 1/2")



4 1/2" stainless steel cutters with spring and cushion grip handles. Precision ground cutting surfaces.

84-408-0 Bulk

84-408-1 Pkg.

ERGONOMIC CUTTERS (5 1/2")



5 1/2" stainless steel cutter. Comfortable cushion grips. Great value.

84-409-0 Bulk

84-409-1 Pkg.

FINE TIP CUTTERS (4 3/4")



4 3/4" stainless steel cutters with very fine cutting tip (flush cut). Spring and cushion grip ESD handles.

84-4081-0 Bulk

84-4081-1 Pkg.

CARBON STEEL CUTTERS

CARBON STEEL CUTTERS (4 1/4")



4 1/4" hardened carbon tool steel cutters with spring and cushion grip handles.

84-410-0 Bulk

84-410-1 Pkg.

MICRO FLUSH CUTTERS (5")



5" steel cutters with spring and cushion grip handles. Flush cut.

84-4110-0 Bulk

84-4110-1 Pkg.

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STAINLESS STEEL PLIERS

These stainless steel pliers are the best value around. They are some of the finest quality pliers we have seen. These are premium tools but not at premium prices.

NEEDLE NOSE PLIERS (4")



4" stainless steel needle nose pliers with spring and cushion grip handles. Precision ground serrated gripping surfaces.

84-416-0 Bulk

84-416-1 Pkg.

STAINLESS STEEL PLIERS (5")



5" stainless steel needle nose pliers with spring and cushion grip handles. Precision ground serrated gripping surfaces. One year warranty.

84-418-0 Bulk

84-418-1 Pkg.

CARBON STEEL PLIERS

These carbon steel pliers are a great value. They are excellent quality and will give many years of reliable service.

CARBON STEEL PLIERS (5 1/4")



5 1/4" hardened carbon tool steel needle nose pliers with serrated jaws, spring, cushion grip handles and small gauge wire cutter.

84-420-0 Bulk

84-420-1 Pkg.

Although our selection of pliers and cutters is quite extensive we have many more styles available. If we don't have the style you're looking for please contact us and we would be pleased to try and find it for you. Minimum quantities may apply.

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COMBICUTTER 3

The Combicutter 3 featuring stripper, bender, shear and crimper with the added 3.5mm screw shear. Size: 160mm.

84-500-0 Bulk**84-500-1** Pkg.**SCREWDRIVERS****POCKET SCREWDRIVER (SLOT)**

160 mm Pocket screwdriver c/w clip - 3 mm slot head.

85-040-0 Bulk**85-040-1** Pkg.**6 PIECE PRECISION SCREWDRIVER SET**

6 Piece precision screwdriver set with 2 Phillips and 4 Slot heads. Nickel plated knurled metal bodies for easy gripping. Swivel heads and steel tempered blades. Complete with a plastic case.

Phillips tips: #0 & #1

Slot tips: 1.4mm, 2.0mm, 2.4mm & 3.0mm

85-511-0 Bulk**85-511-1** Pkg.

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SLOT



1 15/16" x 1/4" Slot Power & Screwdriver

85-202-0 Bulk
#1-2 Slot

85-203-0 Bulk
#2-3 Slot

85-205-0 Bulk **85-205-0** Pkg.
#3-4 Slot

SECURITY TEE-STAR



1 15/16" x 1/4" Security Tee-Star Power & Screwdriver

85-206-0 Bulk **85-206-1** Pkg.
T6 Security

85-207-0 Bulk **85-207-1** Pkg.
T7 Security

85-208-0 Bulk **85-208-1** Pkg.
T8 Security

85-209-0 Bulk **85-209-1** Pkg.
T9 Security

85-210-0 Bulk **85-210-1** Pkg.
T10 Security

85-215-0 Bulk **85-215-1** Pkg.
T15 Security

85-220-0 Bulk **85-220-1** Pkg.
T20 Security

85-225-0 Bulk **85-225-1** Pkg.
T25 Security

85-227-0 Bulk
T27 Security

STANDARD TEE-STAR



1 15/16" x 1/4" Standard Tee-Star Power & Screwdriver

85-233-0 Bulk **85-233-1** Pkg.
T3 Power Tip

85-235-0 Bulk **85-235-1** Pkg.
T5 Power Tip

85-236-0 Bulk **85-236-1** Pkg.
T6 Power Tip

85-237-0 Bulk **85-237-1** Pkg.
T7 Power Tip

85-238-0 Bulk **85-238-1** Pkg.
T8 Power Tip

SECURITY HEX KEY



1 15/16" x 1/4" Security Hex-Key Power & Screwdriver

85-242-0 Bulk
7/64" Security

SECURITY SPANNER



1 15/16" x 1/4" Security Spanner Power & Screwdriver

85-254-0 Bulk
#4 Spanner

85-256-0 Bulk
#6 Spanner

PHILLIPS



1 15/16" x 1/4" Phillips Power & Screwdriver

85-270-0 Bulk
#0 Phillips

85-271-0 Bulk
#1 Phillips

85-272-0 Bulk
#2 Phillips

PHILLIPS POZI-DRIVE



1 15/16" x 1/4" Phillips Pozi-Driver Power & Screwdriver

85-283-0 Bulk
#3 Pozi-Drive

85-284-0 Bulk
#4 Pozi-Drive

ROBERTSON SQUARE



1 15/16" x 1/4" Robertson Square Power & Screwdriver

85-291-0 Bulk
#1 Square

85-293-0 Bulk
#3 Square

FLEXIBLE EXTENSION SHAFT



7 1/2" x 1/4" Flexible extension shaft.

85-500-0 Bulk

BURNISHING TOOLS & FILES

BURNISHING BRUSH



Burnishing brush with metal nose cap and adjustable steel or fiber glass fill.
Length: 120 mm Diameter: 11 mm

86-445-0 Bulk Steel **86-445-1** Pkg.

86-450-0 Bulk Fiber glass **86-450-1** Pkg.

**RE-FILL FOR 86-450-0
&
86-452-0 TOOLS**



Package of 12 fiber glass re-fills for 86-450 & 86-452 tools.

86-456-12 Pkg.

SLIM LINE BURNISHING BRUSH



Slim line burnishing brush with metal nose cap and adjustable fiber glass fill.
Length: 135 mm Diameter: 8 mm

86-462-0 Bulk

86-462-1 Pkg.

RE-FILL FOR 86-445-0 & 86-452-0 TOOLS



Package of 12 steel re-fills for 86-445 & 86-452 tools.

86-446-12 Pkg.

FIBER GLASS BURNISHING BRUSH



Burnishing brush with plastic nose cap and adjustable fiber glass fill.
Length: 120 mm Diameter: 11 mm

86-452-0 Bulk

86-452-1 Pkg.

FIBER GLASS RE-FILLS



Package of 12 fiber glass re-fills for 86-462 tool.

86-463-0 Bulk

86-463-12 Pkg.

CUTTING TOOLS

**REPLACEMENT BLADE FOR 86-510-0 PLASTIC UTILITY KNIFE
(86-510-0 IS NOT AVAILABLE ANY MORE)**



12 blades per plastic tube. Length: 110 mm

86-511-0 Bulk

**REPLACEMENT BLADE FOR 86-515-0 PLASTIC UTILITY KNIFE
(86-515-0 IS NOT AVAILABLE ANY MORE)**



12 blades per plastic tube. Length: 85 mm

86-516-0 Bulk



ALUMINUM HANDLE UTILITY KNIFE

Length: 120 mm
Dia: 11 mm

86-535-0 Bulk

86-535-1 Pkg.



ELECTRICIAN'S SCISSORS

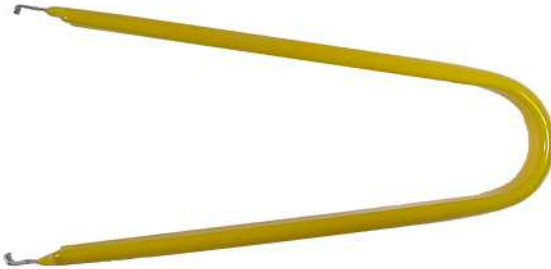
Extra strength stainless steel and insulated handles c/w notch in blade and file on the back edge of the blade. Length: 125 mm / 5".

86-555-0 Bulk

86-555-1 Pkg.

IC HANDLING & LEAD FORMING TOOLS

INSULATED IC PULLER



Insulated IC puller - for placing and removing integrated circuit devices. Length: 102 mm

86-609-0 Bulk

86-609-1 Pkg.

PLCC EXTRACTOR



PLCC Extractor - for safe removal of PLCC type components. Length: 100 mm

86-610-0 Bulk

86-610-1 Pkg.

COMPONENT LEAD BENDERS (PD SERIES)



PD Series - manufactured from cycolac plastic. Length: 137 mm

86-615-0 Bulk

86-615-1 Pkg.

1/4 & 1/2 Watt size for resistors and diodes

86-616-0 Bulk

86-616-1 Pkg.

1 & 2 Watt size for resistors and diodes

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<http://www.mode-elec.com>



8pcs iPhone TOOL KIT

Set includes: Mini Philips, Mini Suction Cap, Mini Flathead, 2 Non-Conductive Pry Tools, Pentalobe, 2 Non-Conductive Snap Openers

Great for iPhone repairs, etc...

86-210-1 Pkg.

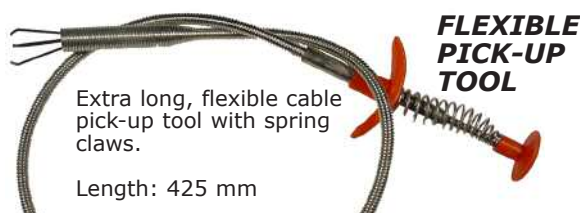
ALL METAL PICK-UP TOOL



The spring claws make it easy to retrieve any small parts from hard to reach areas. Length: 120 mm

86-650-0 Bulk

86-650-1 Pkg.



Extra long, flexible cable pick-up tool with spring claws.

Length: 425 mm

86-651-0 Bulk

86-651-1 Pkg.

TELESCOPIC MAGNETIC PICK-UP TOOL



Telescopic magnetic pick-up tool with pocket clip. Extends to 24 inches.

86-652-0 Bulk

86-652-1 Pkg.

MACHINIST'S SCRIBER



Length: 190 mm / 7 1/2"

86-663-0 Bulk

86-663-1 Pkg.

4 PIECE TEST PROBE KIT



Individual tools are one piece, stainless steel, and have flexible tips. They are ideal for checking solder joints and doing mechanical inspections. Ultra sharp. Length: 120 mm

86-660-0 Bulk

86-660-1 Pkg.

SPRING HOOK



Finely polished spring hook with easy grip handle. For inserting adjusting or removing springs. Hook - one end / Lifter - other end. Length: 120 mm / 8"

86-661-0 Bulk

86-661-1 Pkg.

FLAT SHOCKPROOF VULCAN SPUDGER



Double beveled and conical ends. Static free, ultra strong and long lasting. Size: 1/4" X 6"

SH80 Bulk

ROUND SHOCKPROOF VULCAN SPUDGER



Screwdriver and conical ends. Static free, ultra strong and long lasting. Size: 1/16" X 5 1/2"

SH81 Bulk

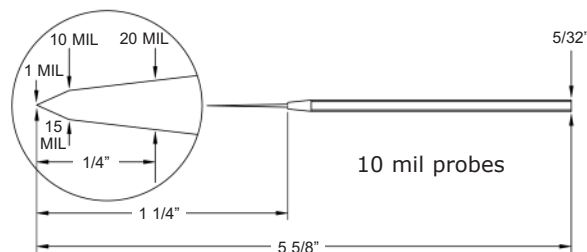
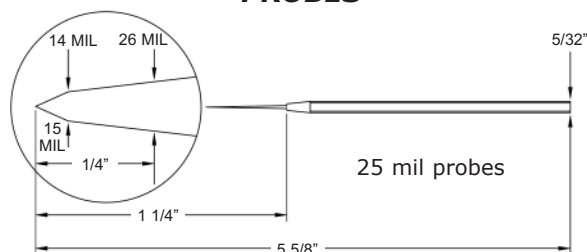


ORANGE STICKS

Double beveled and ends, manufactured from non-resin woods which will not contaminate solder or component leads. ESD safe. Size: 5/32" X 7"

Package of 100
SH83 Bulk

PROBES



10 and 25 mil angled long life probes

SH116 Bulk 25 mil

SH216 Bulk 10 mil



10 and 25 mil straight long life probes

SH141 Bulk 25 mil

SH241 Bulk 10 mil

Hex handles and spring wire tips are made of stainless steel. Solder will not stick and tips are surgically sharp. Available in 10 mil or 25 mil pitch sizes.



ALUMINUM FRAME TOOL CASE

Includes key locks, 1 tool pallet, moveable dividers and shoulder strap.

Dimensions: 18" x 13.5" x 6"

87-0210-0



4.5" DEEP ATTACHE TOOL CASE

C.H. Ellis

Black hi-impact polyethylene attaché-style tool case with milled aluminum tongue-in-groove frame. Case features molded-in feet, plastic carry handle, 2 mechanical lidstays, full piano hinge and 2 keyed locks. Includes 34-pocket "A" style top tool pallet.

Dimensions: 17.5" x 12.5" x 4.5"

95-8569



6" DEEP ATTACHE TOOL CASE

C.H. Ellis

Black hi-impact polyethylene attaché-style tool case with milled aluminum tongue-in-groove frame. Case features molded-in feet, plastic carry handle, 2 mechanical lidstays, full piano hinge and 2 keyed locks. This case features the "A" style top & bottom tool pallets to hold 50 tools (not included)

Dimensions: 17.5" x 12.5" x 6"

95-8570



7.5" DEEP ATTACHE TOOL CASE

C.H. Ellis

Black hi-impact polyethylene attaché-style tool case with milled aluminum tongue-in-groove frame. Case features molded-in feet, plastic carry handle, 2 mechanical lidstays, full piano hinge and 2 keyed locks. This case features the "A" style top & bottom tool pallets to hold 50 tools (not included)

Dimensions: 17.5" x 12.5" x 7.5"

95-8571

ADJUSTABLE 3" TABLE VISE



- Jaw width: 3"
- Jaw opening: 2"
- 360° Horizontal adjustment
- 90° Vertical adjustment
- Table clamp-on
- Aluminum body

87-107-1 Pkg.

PC BOARD HOLDER



A "Third Hand" PC Board holder c/w alligator clips mounted on adjustable arms. Ideal for holding PC Boards and components in place leaving both hands free for soldering.

84-122-1 Pkg.

PC BOARD HOLDER



Same as the 84-122-1 except the 84-123-1 comes with a mounted 2X magnifying glass.

84-123-1 Pkg.

Don't forget to check the new products section of our web site frequently to check out the new products that we have added.

There is also a technical section with lots of useful information on basic electronics, LED facts and figures. soldering tips and much more.

Can't find what you need? Ask your distributor to contact us and we'll try to find it for you. Don't forget the quantities must be reasonable.



POLYETHYLENE BOTTLES

The FD series are manufactured from very durable polyethylene and are ideal as a squeeze type flux dispenser. The bottles come complete with a #22 stainless steel hypodermic needle. They are available in one, two, four and eight ounce and come in opaque round configuration.

Fluid content: 1 ounce Applicator: Needle
87-210-0 Bulk **87-210-1** Pkg.

Fluid content: 2 ounce Applicator: Needle
87-212-0 Bulk **87-212-1** Pkg.

Fluid content: 4 ounce Applicator: Needle
87-214-0 Bulk **87-214-1** Pkg.

Fluid content: 8 ounce Applicator: Needle
87-218-0 Bulk **87-218-1** Pkg.



STANDARD DISPENSERS

High density polyethylene bottles, with one touch stainless steel pump.

Fluid content: 4 ounce
87-300-0 Bulk

Fluid content: 6 ounce
87-301-0 Bulk

Fluid content: 8 ounce
87-302-0 Bulk



GLASS & METAL DISPENSERS

The one touch stainless steel pumps are available in a 4 ounce amber glass bottle and a durable 4 ounce steel can. Both dispensers are ideal for solvents which are not compatible with HDPE plastic bottles.

Type: glass
87-307-0 Bulk

Type: metal
87-308-0 Bulk



STATIC SAFE DISPENSERS

The Solvent Dispenser combines a stainless steel pumping mechanism that provides an exact amount of fluid in a single hand operation. The hinged lid gives protection against dust and other impurities when the unit is not in use. The bottle is ESD safe.

Fluid content: 6 ounce
87-350-0 Bulk

Fluid content: 8 ounce
87-351-0 Bulk



HDPE DISPENSERS

The Solvent Dispenser combines a stainless steel pumping mechanism with an HDPE (High Density Polyethylene) bottle to provide an exact amount of fluid in a single hand operation. The hinged lid gives protection against dust and other impurities when the unit is not in use.

Fluid content: 4 ounce
87-374-0 Bulk

Fluid content: 6 ounce
87-376-0 Bulk

Fluid content: 8 ounce
87-378-0 Bulk



SAFE WASH BOTTLE

8 oz polyethylene bottle suitable for many liquid applications.

87-352-0 Bulk

Menda dispensers are made of high density polyethylene. The stainless steel automatic fluid dispenser prevents toxic fumes and spills. A precision valve seals the contents in the bottle until required, increasing safety for the user. The pump action allows you to dispense only as much fluid as needed, preventing evaporation and spills. The unique cap seal stops the fluid from dripping back into the bottle causing any contamination and a hinged lid protects the dish when the bottle is not in use.

ELECTRIC HEAT GUN


Electric heat gun complete with deflector tips and paint removal tools. Features temperature control knob and On/Off switch with stage I and II selector.

Voltage: 120V/60Hz
 Rated power: 1500W/12.5A
 Air flow: 300l/min (I), 500l/min (II)
 Temperature at nozzle outlet (approx.):
 122-842°F / 50-450°C (I)
 194-1112°F / 90-600°C (II)

84-603A-1 Bulk

WIRE GAUGE


Stainless steel Wire Gauge.
 36 AWG to 1 AWG, metric also.

87-110-0 Bulk
87-110-1 Pkg.

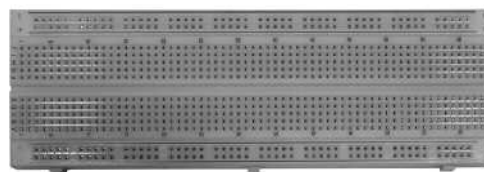
ROTARY TOOL KIT


87-211-1 shown
 with Flexible Shaft
 attached

Variable Speed 8000 - 30000 RPM
 CUL Approved

C/w 42 Accessories Including:
 Flexible Shaft with 1/8" Chuck, 2 Drills, 4 Sanding Belts, 2
 Diamond Burs, 10 Grinding Stones, 6 Cut-off Wheels, 8
 Sanding Wheels, Collets, etc.

87-211-1 Pkg.

BREADBOARD STRIPS FOR PROTOTYPE DESIGN

88-840-1 Pkg.

Aluminum Plate 164x52x0.3mm
 Board 165.1x54.6x8.5mm
 ABS plastic with color printed
 1 Terminal strip, 630 tie-point
 2 Distribution strips, 200 tie-point


88-841-1 Pkg.

Aluminum plate 183x95x1.2mm
 Board 165.1x54.6x8.5mm
 ABS plastic with color printed
 1 Terminal strip, 630 tie-point
 2 Distribution strips, 200 tie-point
 3 Binding posts
 5 Cushions


88-842-1 Pkg.

Aluminum plate 215x130x1.2mm
 Board 165.1x109.3x8.5mm
 ABS plastic with color printed
 2 Terminal strips, 1260 tie-point
 4 Distribution strips, 400 tie-point
 3 Binding posts
 5 Cushions


88-843-1 Pkg.

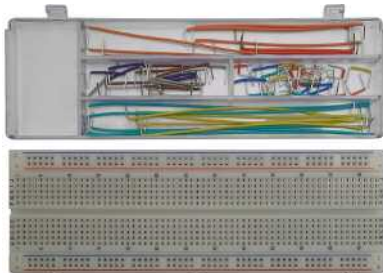
Aluminum plate 230x175x1.2mm
 Board 174.8x165.1x8.5mm
 ABS plastic with color printed
 3 Terminal strips, 1890 tie-point
 5 Distribution strip, 500 tie-point
 4 Binding posts
 5 Cushions

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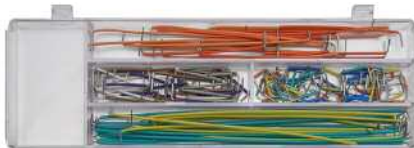
BREADBOARD STRIPS FOR PROTOTYPE DESIGN cont'd

88-844-1 Pkg.

Aluminum plate 240x210x1.2mm Board
184.4x190x8.5mm ABS plastic with color printed
4 Terminal strips, 2520 tie-point
7 Distribution strip, 700 tie-point
4 Binding posts
5 Cushions

BREADBOARD KIT WITH JUMPER WIRES

88-850-1 Pkg.

Board 165.1x54.6x8.5cm. ABS plastic with color printed
1 Terminal strip, 630 tie-point
2 Distribution strips, 200 tie-point
70pc jumper wire kit included

140 PIECE JUMPER WIRE KIT FOR BREADBOARDS

88-851-1 Pkg.

140 PIECES Stripped, Bent, 22 AWG Jumper Wires
Includes 5 each of wires for jumping 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 30, 40 and 50 nodes.

350 PIECE JUMPER WIRE KIT FOR BREADBOARDS

88-852-1 Pkg.

350 PIECES Stripped, Bent, 22 AWG Jumper Wires
Includes 25 each of wires for jumping 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 30, 40 and 50 nodes.

TRIGGER TRANSFORMER for 90-152

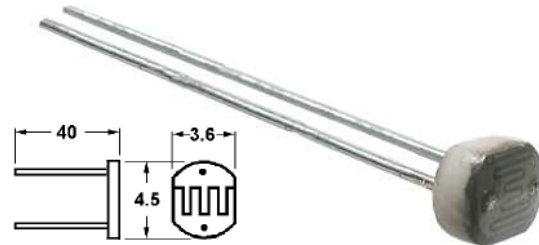

170 volt input to 4KV output voltage. Suitable for the flash tube shown below.

90-150-0 Bulk **90-150-1** Pkg.

XENON FLASH TUBE


Anode to Cathode voltage	300V(200min/400 max)
Maximum energy/flash rate	4WS (watt seconds)
Flash Rate	1/second (Min.)
Nominal Life (flashes)	10 million
Trigger Voltage	4KV
Tube length	32mm
Tube width	16mm
Lead length	40mm
Lead spacing	10mm

90-152-0 Bulk **90-152-1** Pkg.

CdS PHOTOCELLS


	90-154-0	90-155-0
Peak Response(nm)	550nm	550nm
Min. Resistance(10 lux)	5K	11K
Max. Resistance(10 lux)	10K	20K
Min. Dark Resistance	500K	650K
Peak AC Voltage	100V	100V

	90-156-0	90-157-0
Peak Response(nm)	550nm	550nm
Min. Resistance(10 lux)	16K	30K
Max. Resistance(10 lux)	30K	60K
Min. Dark Resistance	700K	1.5M
Peak AC Voltage	150V	150V

Use -1 for Display Package

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TYPES OF BRISTLE MATERIALS

Natural bristle materials

Goat Hair

Goat hair is a very soft yet fine natural material with properties that make it excellent for use in fine polishing and cleaning. It is non conductive.

Horse Hair

Horse hair is soft, resilient and long lasting. excellent for sweeping polished surfaces. Horse hair works well for dusting, flux removal and general cleanup. It is non conductive.

Hog Bristle

Natural Hog Bristle is resilient and is the stiffest natural material available. A Hog Bristle brush will provide the best possible cleanup. It works well when dealing with sticky, crusty materials or viscous fluids. It is non conductive.

Synthetic bristle materials

Nylon

Nylon is the toughest and most durable synthetic material available. Nylon bristles discourage bacterial growth and resist most acids. It is non-shedding, and is excellent for cleaning and scrubbing applications with its strong abrasion resistance properties. It does not scratch most surfaces.

Wire Materials

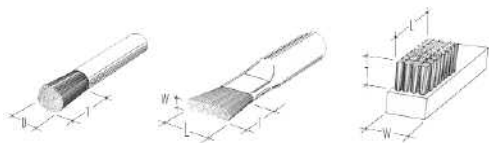
Brass

Brass is a softer wire than stainless steel, yet ideal for uses that include burnishing, polishing, non-sparking static removal and some deburring and material removal. Wire diameters range from extremely soft to stiff.

Stainless Steel

Stainless Steel is a highly corrosion-resistant wire to be used where contamination or rust is a problem. Stainless Steel bristle range from extremely soft to stiff. The fine, .003" diameter, wire is excellent for burnishing without removing the base material. Rust-proof and very strong, Stainless Steel is used to prevent harmful ferrous deposits on brushed parts. It is non-shedding.

BRUSH DIMENSIONS



D=Diameter **L**=Bristle Length **T**=Bristle Trim **W**=Bristle Width

All metal, plastic, and wood handle brushes can be used in ESD sensitive environments as long as the brush remains saturated in liquid. It is recommended that the brush be tested on the required application to confirm ESD compatibility.

All Insulative brushes are made of all non-shedding material that is perfect for use in cleaning very small areas that ESD and Cleanroom functions demand.

BRUSH DESIGN CONSIDERATIONS

The most critical aspects of the ESD brush are the fiber, the core or handle material, and grounding. Surface resistivity of the brush materials largely determines the electrostatic properties of the brush. Surface resistivity is a mathematical representation of a material's ability to resist the passage of electricity across its surface. The range of surface resistivity (in Ohms) is as follows:

10^{12} - 10^{16} Insulative materials
 10^5 - 10^{11} Dissipative materials
 10^2 - 10^4 Conductive materials

These classifications (Conductive, Dissipative, Insulative) along with Anti-Static (static charge inhibitors) are used to segregate the brushes into useful groups in this catalog. The type of brush you will require depends on your application for the brush that is based in part upon the surface resistivity required for that application.

If the mounting location is not grounded, then a grounding strap or wire incorporating a 1 Meg Ohm resistor should be used between the brush and an electrical ground. Potentially severe bodily harm may result from the use of a conductive brush if a 1 Meg Ohm resistor is not used.

BRUSH CATEGORIES

Conductive Brushes

Conductive Brushes have a surface resistivity of 10^2 - 10^4 and are perfect to use when you need to remove static buildup from the work surface. Conductive brushes will act as a conduit between the charged surface and the path to ground. Made with fully conductive materials that are active static eliminators, your choice becomes the style and size that best works for you. Please use these brushes with a wrist strap or other mechanism to provide a path to ground.

Anti-Static Brushes

Anti-Static brushes are made from low charging materials and natural materials that are near neutral on the triboelectric chart of static generation. They neither give nor take electrons and, therefore, remain essentially electrically neutral. There can, however, be a slight charge created. In extreme voltage sensitive applications, these brushes should be used only in a liquid environment.

Insulative Brushes

Insulative brushes have a surface resistivity of 10^{12} - 10^{16} and are an inexpensive water resistant alternative to Anti-Static Brushes. They are best used in an environment where static is not critical to the task at hand or where the brush is submerged in liquid when in use.

DOUBLE ENDED SERIES (ANTI-STATIC)



This Series has two sizes with two end styles (tapered and flat) to fit your needs. Fibers are mechanically clamped into the handle for maximum fiber retention so that no adhesives can leach out and contaminate surface being cleaned. Brushes are available with Horse Hair (HH) or Hog Bristle (CK) material. Handle material for 1005 is Stainless Steel, and the 1010 handle is Zink Plated Steel.

Bristle material	Part #	Part #
Hog Bristle	1005CK	1010CK
Horse Hair	1005HH	1010HH
Handle Length	4 1/2"	4 1/2"
Diameter	3/16"	3/8"
Bristle Trim Length	1/4" - Tapered 1/2" - Flat	3/16" - Tapered 1/4" - Flat
Turf Diameter	Oval	Oval
Use	Short end for haeavy duty scrubbing Chiseled end to reach and scrub tight corners	

1 SERIES (ANTI-STATIC)



This Series is an inexpensive utility duster/cleaner. It is an excellent replacement for throw away acid brushes that can lose fibers. Mechanical fiber clamping construction of a Zinc Plated Steel handle holds the fiber in place with no adhesives to leach out and contaminate cleaning fluid supply.

Bristle material	Part #
Hog Bristle	1CK
Horse Hair	1HH
Handle Length	4 1/2"
Diameter	3/8"
Bristle Trim Len.	3/4"
Tuft Dia. (Oval)	7/16"
Use	Rework or cleanup; use dry or with fluids

ALUMINUM HANDLE SERIES (ANTI-STATIC)



The 11A and 33A Series has Aluminum handle and comes with one or three rows of bristles. These brushes are great for fine detailing and fitting into tight areas. The fibers are hand laced for better fiber retention and durability.

Bristle material	Part #
Hog Bristle	11CKA
Handle Length	6 7/16"
Handle Width	1/8"
Bristle Trim Len.	7/16"
Bristle Length	1 3/16"
Bristle Width	3/16"
Use	Fine detail cleaning

WOOD SCRATCH BRUSHES (ANTI-STATIC)



The 11P, 14, and 15 Series brushes are the same style Plywood handles, with one, two or three rows of bristles, hand laced with stainless steel wire for maximum fiber retention and long use. The 11P has a small face width. The 14 Series has a slightly wider Plywood handle. The 46 Series is a large scrubber brush to be used when wide areas are cleaned.

Bristle material	Part #	Part #	Part #
Hog Bristle	11CKP	14CK	15CK
Horse Hair		14HH	15HH
Stainless Steel	11SSP		15SS
Brass			15B
Handle Length	7 3/4"	7 3/4"	7 3/4"
Handle Width	7/16"	7/16"	7/16"
Bristle Trim Len.	7/16"	7/16"	7/16"
Bristle Length	1 3/8"	1 3/8"	1 3/8"
Bristle Width	1/8"	1/4"	1/4"
Use	Fine detail cleaning	Slightly wider for tough spots	Detail cleaning and scrubbing

ALUMINUM HANDLE SERIES (CONDUCTIVE)



The 11A, 22A and 33A Series brushes are the same style aluminum handles, with one, two or three rows of bristles. Bristle material is soft Stainless Steel (SS) or soft Brass (B). These brushes are great for fine detailing and fitting into tight areas. The fiber are hand laced for better fiber retention and durability.

Bristle material	Part #
Brass	
Stainless Steel	11SSA
Handle Length	6 7/16"
Handle Width	1/8"
Bristle Trim Len.	7/16"
Bristle Length	1 3/16"
Bristle Width	3/16"
Bristle Rows	1
Use	Fine detail cleaning

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WOOD SCRATCH BRUSHES (ANTI-STATIC)



The 30 Series is a small, inexpensive, three row "scratch" or "toothbrush" style brush made of rugged and static-neutral Plywood. The 36 Series is a four row "scratch" brush on a larger handle. Horse Hair versions are great cleaners/dusters. Hog Bristle versions work great where a stiffer brush is needed.

Bristle material	Part #	Part #
Hog Bristle	30CK	36CK
Horse Hair	30HH	
Stainless Steel	30SS	
Brass	30B	
Handle Length	7 3/4"	8 3/8"
Handle Width	7/16"	1 1/16"
Bristle Trim Len.	7/16"	3/4"
Bristle Length	1 3/8"	2 1/8"
Bristle Width	1/4"	7/8"
Use	Board rework and cleanup	Board rework and cleanup. Gen. utility

ACID BRUSHES



Disposable brushes for applying acid, glue, or coatings. Very popular when one time usage is necessary. Tin ferrule handle with 6" overall length for all the AB series.

3/8" Diameter Horse Hair/Tin Handle Acid Brush
AB4(package of 12) **AB4G**(package of 144)

1/2" Diameter Horse Hair/Tin Handle Acid Brush
AB5(package of 12) **AB5G**(package of 144)

WA SERIES (ANTI-STATIC)



This series is comprised of various wood handle sizes designed for dusting and scrubbing, particularly on circuit boards. The WA7 Series has an "orange stick" chiseled handle on one end for debris removal. The WA12 Series is a heavy-duty scrubber or duster.

SST SERIES (ANTI-STATIC)



Bristle material	Part #
Hog Bristle	SST10CK
Horse Hair	SST10HH
Handle Length	4 3/4"
Diameter	5/16"
Bristle Trim Len.	3/8"
Turf Dia. (Oval)	3/8"
Use	Fluid applicator & general use

This series includes four handy sizes to fit most benchwork needs. All are made with Stainless Steel handles. All have strong mechanical fiber clamping for maximum fiber retention and no adhesives that can leach out and contaminate surface areas.

SST SERIES (INSULATIVE)



Bristle material	Part #
Nylon	SST10N
Handle Length	4 3/4"
Diameter	5/16"
Bristle Trim Len.	3/8"
Turf Dia. (Oval)	3/8"
Use	Fluid applicator

This series includes four handy sizes to fit most benchwork needs. All have strong mechanical fiber clamping on a Stainless Steel handle for maximum Nylon fiber retention and no adhesives that can leach out and contaminate surface areas.

THROWAWAY PAINT/CHIP BRUSHES



Bristle trim length: 1"

	Part #	Part #
	TA605	TA610
Size	1/2"	1"

The brushes shown in this catalog are stocked. Gordon Brush has many additional types available - contact us for details. To check what is available from Gordon Brush please go to www.gordonbrush.com

NEW ITEMS

We have added new items since the last catalog was printed. Please take a moment to check out these new items in the following list. The new items are highlighted in the catalog.

21-192-0	SMA Plug to BNC Plug	Page 10
31-047-0	AC Chassis Jack With Switch	Page 25
57-311-0	AA Battery Holder with Wire	Page 59
57-344-0	4 x AA Battery Holder with Snap Connector	Page 59
57-345-0	4 x AA Battery Holder with Wire	Page 59
57-347-0	2 x AA Safety Battery Holder with Wire	Page 60
57-349-0	4 x AA Safety Battery Holder with Wire	Page 60
57-411-0	AAA Battery Holder with Wire	Page 60
57-427-0	2 x AAA Safety Battery Holder with Wire	Page 60
57-431-0	3 x AAA Battery Holder with Snap Connector	Page 60
57-432-0	3 x AAA Battery Holder with Wire	Page 60
57-444-0	4 x AAA Battery Holder with Snap Connector	Page 60
57-445-0	4 x AAA Battery Holder with Wire	Page 60
73-732-0	Heat Shrink Terminal (22-18 AWG)	Page 77
73-742-0	Heat Shrink Terminal (16-14 AWG)	Page 77
73-752-0	Heat Shrink Terminal (12-10 AWG)	Page 77
84-116-1	Anti-static Desoldering Pump	Page 83
84-117-0	Replacement tip for 84-116-1	Page 83
84-1511-1	Optivisor	Page 85
86-210-1	8pcs iPhone Tool Kit	Page 97

AC Adapters	67-74	Boots for coax	12	.093"	32
AC Power		Cat 5	6	.100" Wire	33
Bars	25	Clamps	29	.156" Wire	33
Chasis Jack with Sw.	25	Coax	7	Cordless soldering iron	83
Cords	25	Component Video	21	Crimp quick change tool	88
Receptacles	25	DVI-D	21	Crimp tools	85-88
Strips	25,26	HDMI	21	Cutters	91,93
Acid brushes	105	Modular	4	Cutting tools	95,96
Adapters		Ribbon	32	DC adapter	70
Audio	19,20	Speaker	66	DC power connectors	26
Modular-RS232	27	Ties	28,29	Desoldering tools	79,84
Video	9,20	Tie mounts	29	Detector, Voltage	78
RF	9-10	Tie tool	29,90	Digital solder station	81,82
Alarms, audio	65	Trailer harness	60	Digital thermometer	78
Alligator clips	28	USB	27	Dimmer, LED Strip	55
Assortments		CATV		DIN connectors	17,18
Hardware	45,46	Deluxe splitters	7	DIN rail terminal blocks	62
Terminals	77	Splitters	7	Dispensers	100
Audio		Switch	7	D-Sub	
Adapters	19,20	Wall plates	7	Connectors	22-24
Alarms	65	Cases, plastic	44	Crimp Tools	87,88
Cables	20,21	Cigarette lighter USB	70	Pin Extractor	89
Connectors	14-18	Circuit breakers	41,42	Earphones	75
L-pads	65	Clamps, cable	29	Edsyn products	79-81
Plugs/Jacks	15-17	Clips		ESD Safe Dispensers	100
Speakers	66,75	Alligator	28	Extractors	
Transformer	65	Lead sets	28	Fume	81,82
Auto lighter jack	26	Coax cable stripper	91	IC	96
Auto lighter plugs	26	Coaxial		F crimp tools	86,88
Banana jacks	27	Cables	7	Fans	63,64
Banana plugs	27	Cable boots	12	Feet, rubber	46
Battery holders	59,60	Component lead bend.	96	Ferrule crimping tool	87,88
Battery snaps	60	Computer access.	27	Ferrules, wire	77
Binding posts	27	Conduit, flexible	30	Fiber-Optic cbl. stripper	89,90
Bits		Connectors		File kit	95
Phillips	94	.062"	32	Flash tube, xenon	102
Pozi-Drive	94	.093"	32	Forceps	84
Robertson	94	.100"	33	Fume extraction	81,82
Security	93	.156"	33	Fuses	59
Slot	93	'BNC'	11-12	Fuseholders	59
Tee Star	93	Cat 5e	5	Gender changers	27
Bi-Color LED	51	DC power	26	Glass	
BNC connectors	11-12	DIN	17	Dispenser	100
Bottles		D-Sub	22-24	Magnifiers	85
HDPE	100	D-Sub HD	24	Grommets	46
Polyethylene	100	'F'	8	Grommet, flexible	30
Pump	100	LED	56	Hardware	
Static Safe	100	Microphone	18	D-Sub	23
Boxes		Mini DIN	18	Grommets	46
Plastic	44	Mini-UHF	13	Kits	45,46
Storage	44	'N'	12	Nuts	45,46
Breadboard strip	101,102	PC Box	31	Screws	45,46
Brushes	103-105	Precision Miniature	18	Washers	45,46
Burnishes, contact	95	RCA	14	Headers .100"	31,33
Bushings		RF	11-13	Heat gun	101
snap-in	30	Ribbon	31	Heat Shrink Terminals	77
Hole plugs	30	'SMA'	13	Heat Shrink Tubing	30
Strain relief	30	'TNC'	13	Helping hands	99
Butane soldering iron	83	'UHF'	11	Hex	
Buzzers	65	Video	8	Bits	93,94
Cable		Waterproof	18	Extension shaft	94
Audio	20,21	Contact burnishes	95	Hole plugs	30
Auto lighter	26	Contacts		I.C. pullers	96
Boots for Cat 5	6	.062"	32	I.C. sockets	

Dual wipe	33	2.5mm	15	Extension	75
Machined contact	33	3.5mm	15	Miniature	66
PLCC	33	Banana	27	Outdoor horn	75
Indicator lamps	47,48	Category 5	5	Terminals	61
iPhone Tool Kit	97	DC power	26	Speaker wire	66
Jacks		DIN	17	Spiral wrap	29
1/4"	17	Mini DIN	18	Spudgers	97
2.5mm	15	Mod. telephone	4	Strain reliefs	30
3.5mm	16	RCA	14	Strain relief install tool	30,89
Banana	27	Test	27	Strips, LED	53-55
DC power	26	Polarity Changer	70	Switches	
DIN	17	Polyethylene bottles	100	Accessories	36
Mini DIN	18	Potentiometers	66	Control	39
Mod. telephone	3-4	Power bars	25,26	Foot	42
RCA	14	Power cords	25	Key	41
Test	27	Power supplies	67-74	Magnetic	42
Knife blades	95	Pozi-Drive bits	94	Micro	41
Knives	95,96	Probes	97	Power	36
Knobs	44	Project boxes	44	Push button	38
Lamps	47-58	Pullers, IC	96	Rocker	40,41
Lamps incandescent	57-58	Pump bottles	100	Rotary	42
Lead benders	96	Quick Change Crimp	88	Slide	40
LED Connectors	56	R/A Plug Power Cords	25	Sub-miniature	34,35
LED RGB Strips	53	RCA Plugs/Jacks	14	Toggle	36
LED Rpl. Lamps	48-50	Receptacle Circuit Tester	77	Ultra-miniature	35
LED Strips	52-55	Rechargeable sold. iron	83	Telephone	
LED Strip Dimmer	55	Relays	42,43	Accessories	3-6
LED's	48-56	Relay sockets	42,43	Cable, bulk	4
Line cords	25	RF adapters	9,10	Cable, Cat 5	6
Loupes	85	RF connectors	11-13	Cable, coiled	3
L-pads	65	RF crimp tools	87	Cables	3,4
Magnetic pick-up tool	97	RGB Controller	53	Cat 5	5-6
Magnifying glasses	85	Ribbon cable	32	Crimp tools	87
Meter leads	28	Ribbon cable cutter	32,90	Joiners	3
Meters		Ribbon connectors		Modular jacks	4,27
Analog, multimeter	78	.100"	31	Modular plugs	4,5
Digital, multimeter	78	DIP	33	Wall jacks	3,5
Thermometer	78	D-Sub	24	Wall plates	3,5
Micro switches	41	Ring terminals	76	Terminal crimp tools	85-86
Microphone		Robertson Bits	94	Terminals	
Cartridge	74	Rotary tool kit	101	Assortments	77
Connectors	18	Rubber feet	46	Blocks	61,62
Uni-directional	75	Screws	45,46	Heat Shrink	77
Miller products	89	Screwdrivers		Speaker	61
Miniature screwdrivers	93	Miniature	93	Wire	76-77
Mini DIN connectors	18	Sets	93	Terminators	
Mini UHF connectors	13	Slot blade	93	BNC	11
N connectors	12	Scissors	96	'F'	8
Network Cable Tester	78	Security bits	93,94	Test Accessories	28
Nuts, hex	45,46	Seizers	84	Test meters	78
Outlet strips	25,26	Shunts, .100"	31	Tester	
Parts box	44	Slot blade screwdrivers	93	Receptacle Circuit	78
PC board holders	99	Soldering		Voltage	78
PC Box Connectors	31	Aids	97	Ties, cable	28,29
Phillips Bits	94	Iron, cordless	83	Tinning compound	79
Photocells, CdS	102	Iron holder	83	Tip cleaner	83
Pick-up tools	79,97	Iron kits	83	Tip tinning compound	79
Pilot lamps	47,48	Iron Station	81	Tool Cases	98
Pin insertion tool	89	Irons	83		
Plastic boxes	44	Stations	80,81,82	Tools	
PLCC, IC socket	33	Solderpullt, Edsyn	79	Assy jigs	99
Pliers	92	Solvent dispensers	100	Burnishing	95
Plugs		Spade terminals	76	Cable tie	89
1/4"	16	Speakers		Cat 5	6,89

Coax stripper	90	Soldering aids	97	Vises	98
Combicutter	93	Soldering iron	83	Voltage	
Crimp, Compression	86	Solder iron stand	83	Detector	78
Crimp, D-sub	87,88	Strain relief	30,89	Tester	78
Crimp 'F'	86,88	Tweezers	83,84	Wash bottles	100
Crimp, Ferrule	87,88	Universal Stripping	89	Washers	45,46
Crimp, RF	87	Wire stripper	89,90	Waterproof	
Crimp/Strip	86	TNC connectors	13	Connectors	8,18
Crimp, wire term.	87,88	Trailer Harness Cable	60	Switch Actuators	39
Cutter/Stripper	90	Transformers		Switch Boots	36
Cutters, wire	91	Audio	65	Wire cutter/stripper	90
Cutting	95,96	Telephone	65	Wire ferrules	77
Desoldering	79,84	Xenon trigger	102	Wire gauge	101
Econ. Punch-Down	6,89	Travel Adapter	71	Wire strippers	89,90
Forceps	84	Tubing Heat Shrink	30	Wire taps	77
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IC Hand./lead form.	96	UHF connectors	11	Wiring accessories	
iPhone Tool Kit	97	USB Charger	70,71	Cable ties	28,29
Insertion/ext. .093"	32,91	USB Cable	27	Cable tie mounts	29
Insertion/ext. .062"	32,91	Utility Knives	95,96	Flexible conduit	30
Insertion/ext. D-sub	89	Vacuum		Flexible grommet	30
Magnifying glasses	85	Pick-up tool	79	Heat shrink tubing	30
Modular telephone	85	Vises	99	Hole plugs	30
Needle nose pliers	92	Video		Snap-in bushings	30
Quick Change Crimp	88	Adapters	9-10,20	Spiral wrap	29
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IMPORTANT NOTICE

Although every possible effort has been made to ensure that the information in this catalog is accurate, there is always the possibility that there are errors in the information provided. Please accept our apologies, in advance, for any inconvenience this might cause.

Please understand that all specifications are subject to change without notice. This notice is necessary because occasionally a manufacturer may change specifications for an item or a design may be changed slightly for a variety of reasons. In most cases these changes should result in a better product.

The specifications in this catalog are based on the manufacturers data or a safety organizations ratings of a product and should not be exceeded at any time. If you have an unusual application for an item, please check with Mode to ensure that the product is suitable for your application.

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