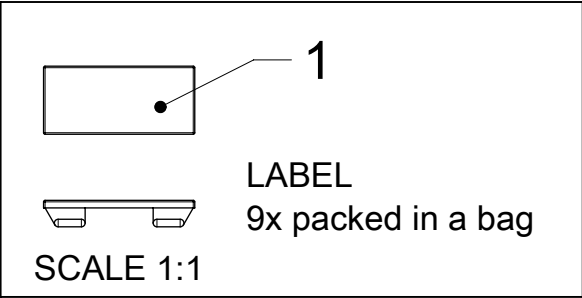


TABLE 1

MOLEX P/N	ENG. NO.	CABLE LENGTH (mm)	LED
1202480019	BTB8000-FBW-05	5000	NO
1202480020	BTB8000-FBW-10	10000	NO
1202480021	BTB8000-FBW-15	15000	NO
1202480022	BTB800P-FBW-05	5000	YES
1202480023	BTB800P-FBW-10	10000	YES
1202480024	BTB800P-FBW-15	15000	YES
1202480521	BTB800P-FBW-20	20000	YES
1202480025	BTB800N-FBW-05	5000	YES
1202480026	BTB800N-FBW-10	10000	YES
1202480027	BTB800N-FBW-15	15000	YES

TABLE 2 BILL OF MATERIAL

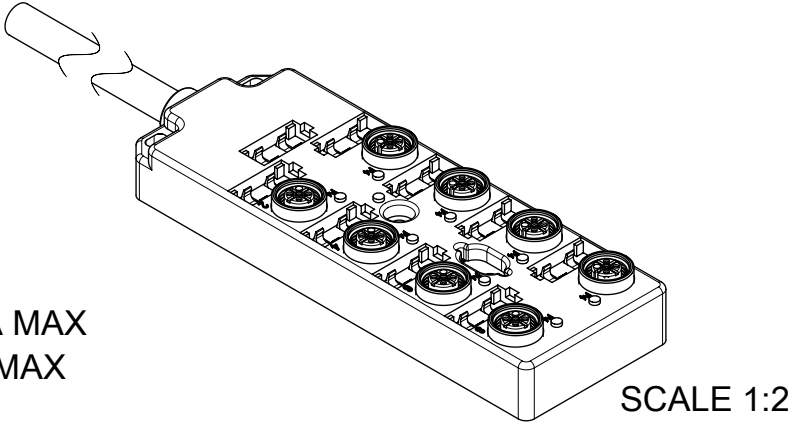
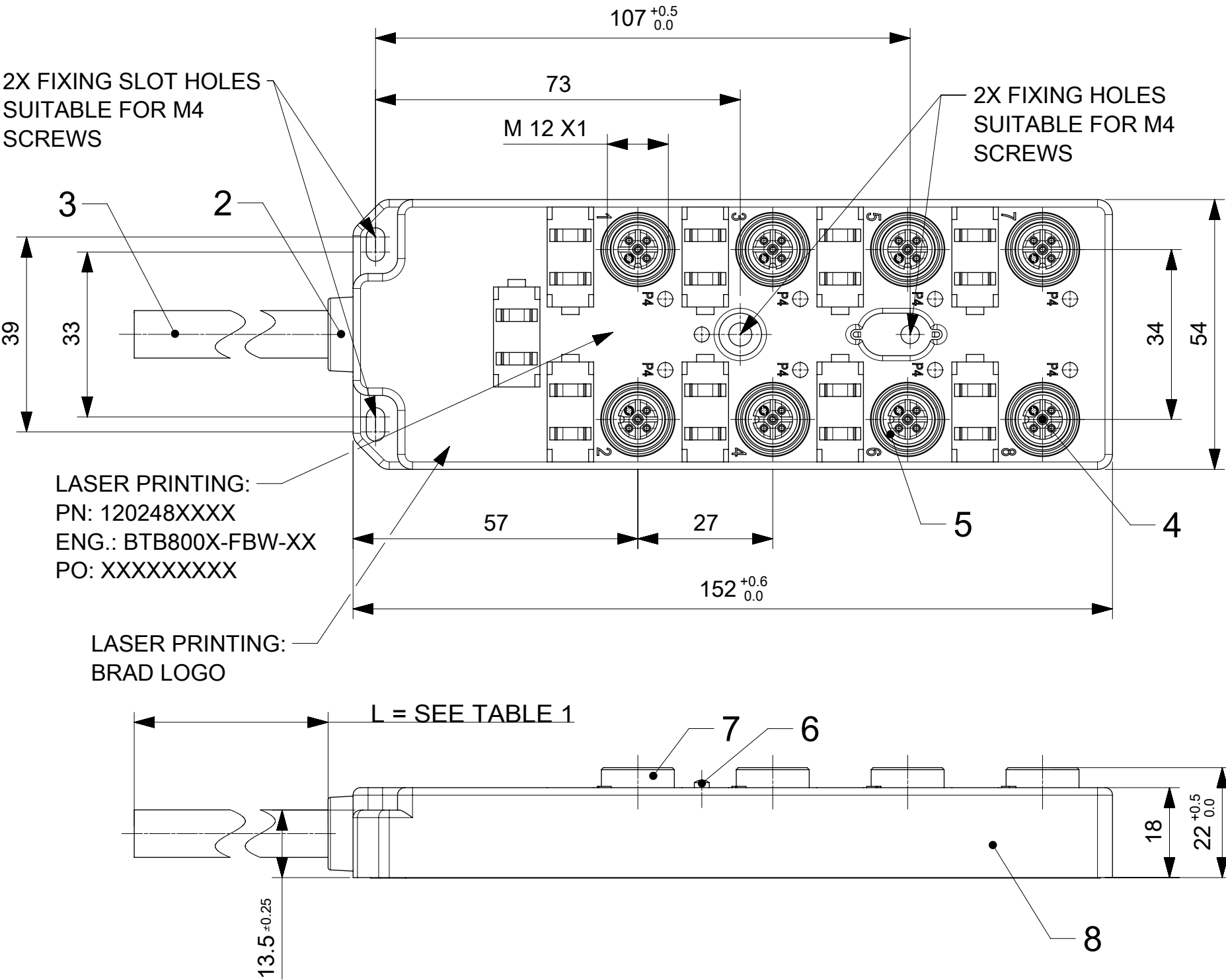
ITEM	DESCRIPTION	MATERIAL	FINISH
1	LABEL	ABS	WHITE
2	CABLE PLATE	PBT	BLACK
3	CABLE	TPU BASED	BLACK
4	CONTACT	BRONZE	GOLD OVER NICKEL
5	O-RING	FPM	RED
6	LED	NO LED = PA WITH LED = PA	BLACK TRANSPARENT
7	SHELL	BRASS	NICKEL PLATED
8	HOUSING	PBT	BLACK



GENERAL CHARACTERISTICS:

ELECTRICAL AND MECHANICAL DATA ACC. TO IEC 61076-2-101

NOMINAL VOLTAGE: 10-30 V DC
AMPERE RATING: 4 A PER PORT / 12 A MAX
AMPERE RATING WITH UL REGISTRATION: 3 A PER PORT / 9 A MAX
IP DEGREE OF PROTECTION: IP 67
TEMPERATURE RANGE: -25°C to + 85°C



SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	= 0	mm	SCALE
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	= 0	ANGULAR TOL	± °
	= 0	4 PLACES	±
	= 0	3 PLACES	±
	= 0	2 PLACES	±
	= 0	1 PLACE	±
	= 0	0 PLACES	± 0.25
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
	= 0	THIRD ANGLE PROJECTION	DRAWING
		A3-SIZE	SERIES
		120248	MATERIAL NUMBER
		SEE TABLE 1	CUSTOMER
		GENERAL MARKET	SHEET NUMBER
		1 OF 2	

CURRENT REV DESC: LASER PRINTING ADDED

EC NO: 606042

DRWN: ULETTENMEIER 2018/08/15

CHK'D: RSILLER 2018/10/18

APPR: RSILLER 2018/10/18

INITIAL REVISION:

DRWN: AAHLERS 2015/04/01

APPR: RSILLER 2015/05/20

molex

MPIS M12 PNP NPN NOS 4P 8PT AC FE STR BK XM STA SINGLE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1202480019

DOC TYPE

PSD

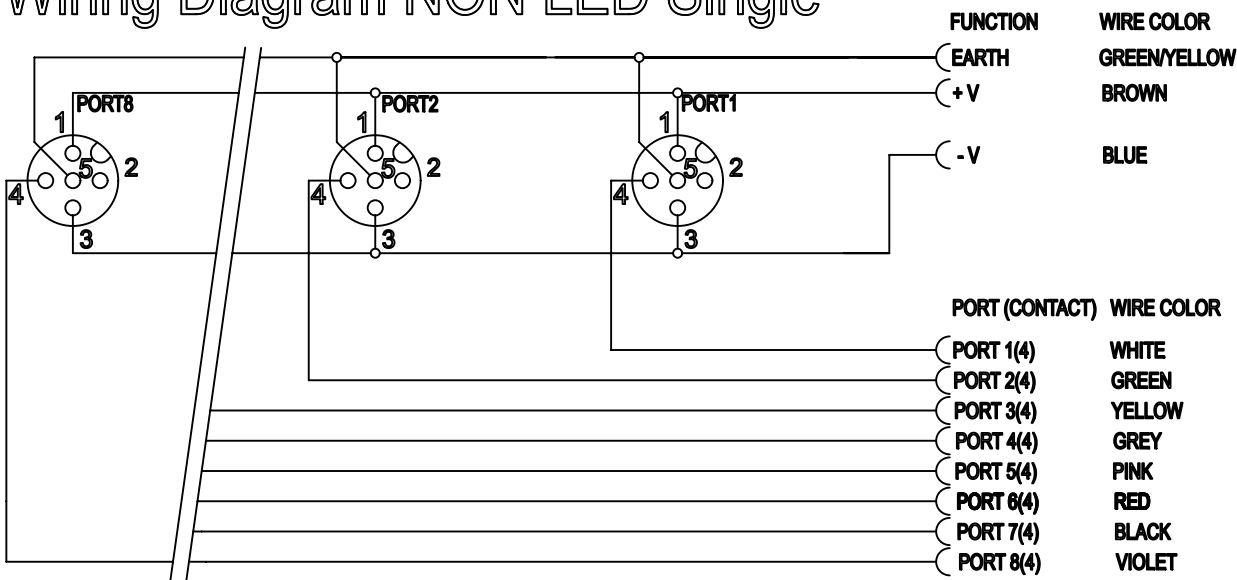
DOC PART

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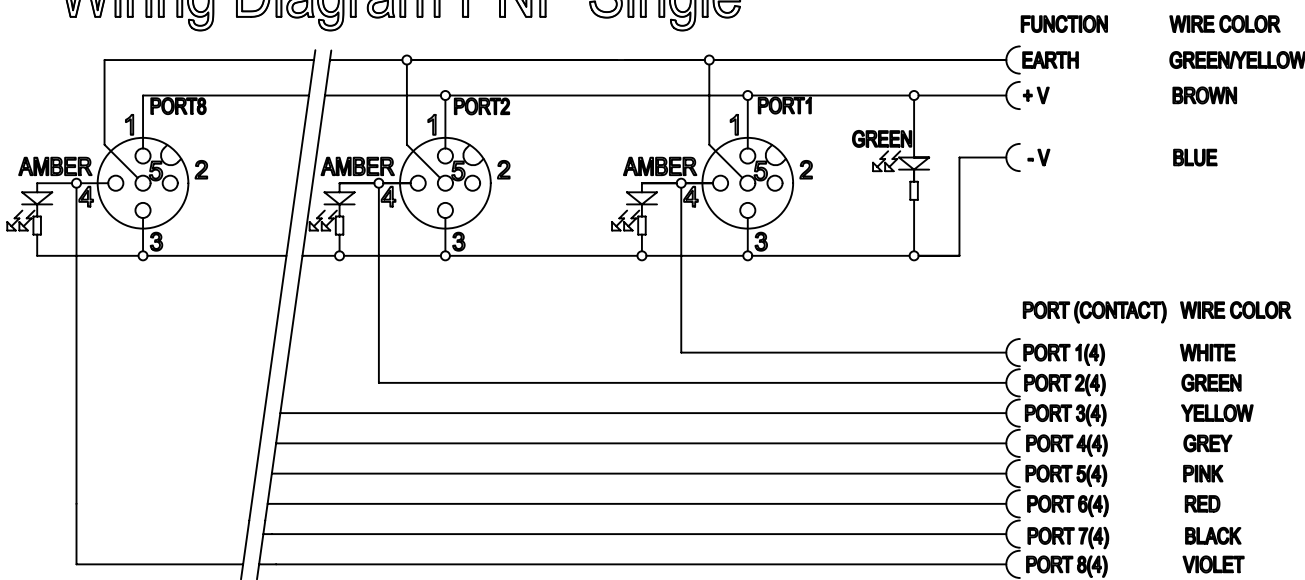
REVISION

B

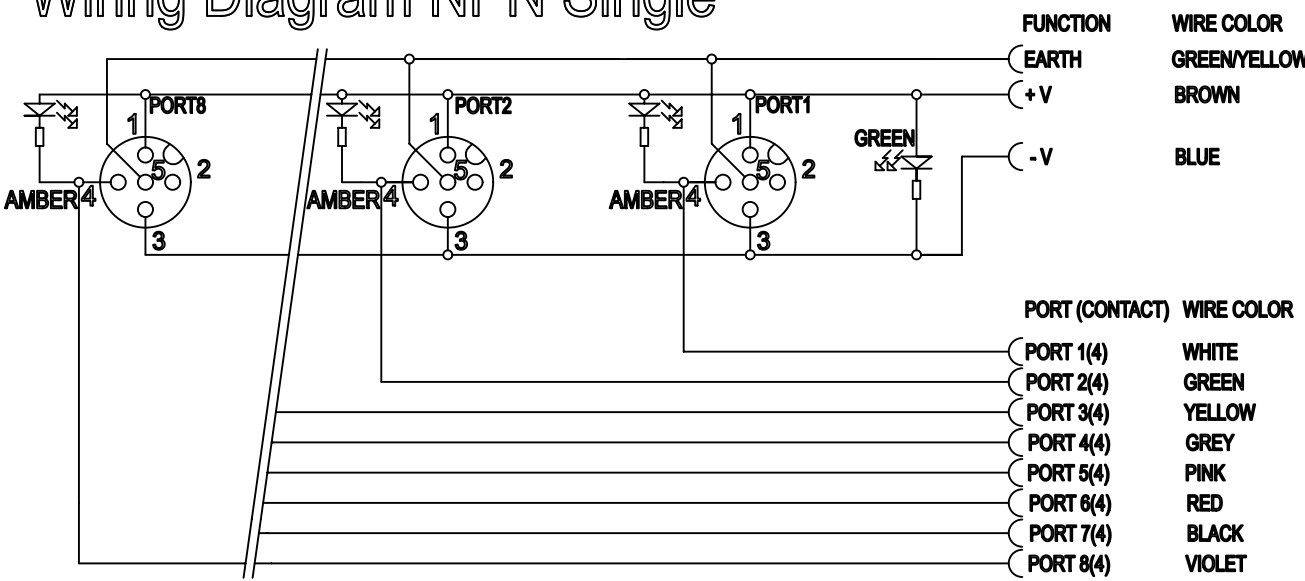
Wiring Diagram NON LED Single



Wiring Diagram PNP Single



Wiring Diagram NPN Single



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
	mm	
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	ANGULAR TOL	± °
	4 PLACES	±
	3 PLACES	±
	2 PLACES	±
	1 PLACE	±
	0 PLACES	± 0.25
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
	THIRD ANGLE PROJECTION	DRAWING
		A3-SIZE
	SERIES	120248
CURRENT REV DESC: LASER PRINTING ADDED		EC NO: 606042
		DRWN: ULETTENMEIER 2018/08/15
		CHK'D: RSILLER 2018/10/18
		APPR: RSILLER 2018/10/18
INITIAL REVISION:		DRWN: AAHLERS 2015/04/01
		APPR: RSILLER 2015/05/20
molex		
MPIS M12 PNP NPN NOS 4P 8PT AC FE STR BK XM STA SINGLE		
PRODUCT CUSTOMER DRAWING		
DOCUMENT NUMBER		DOC TYPE
1202480019		PSD
DOC PART		REVISION
000		B
MATERIAL NUMBER		CUSTOMER
SEE TABLE 1		GENERAL MARKET
SHEET NUMBER		2 OF 2