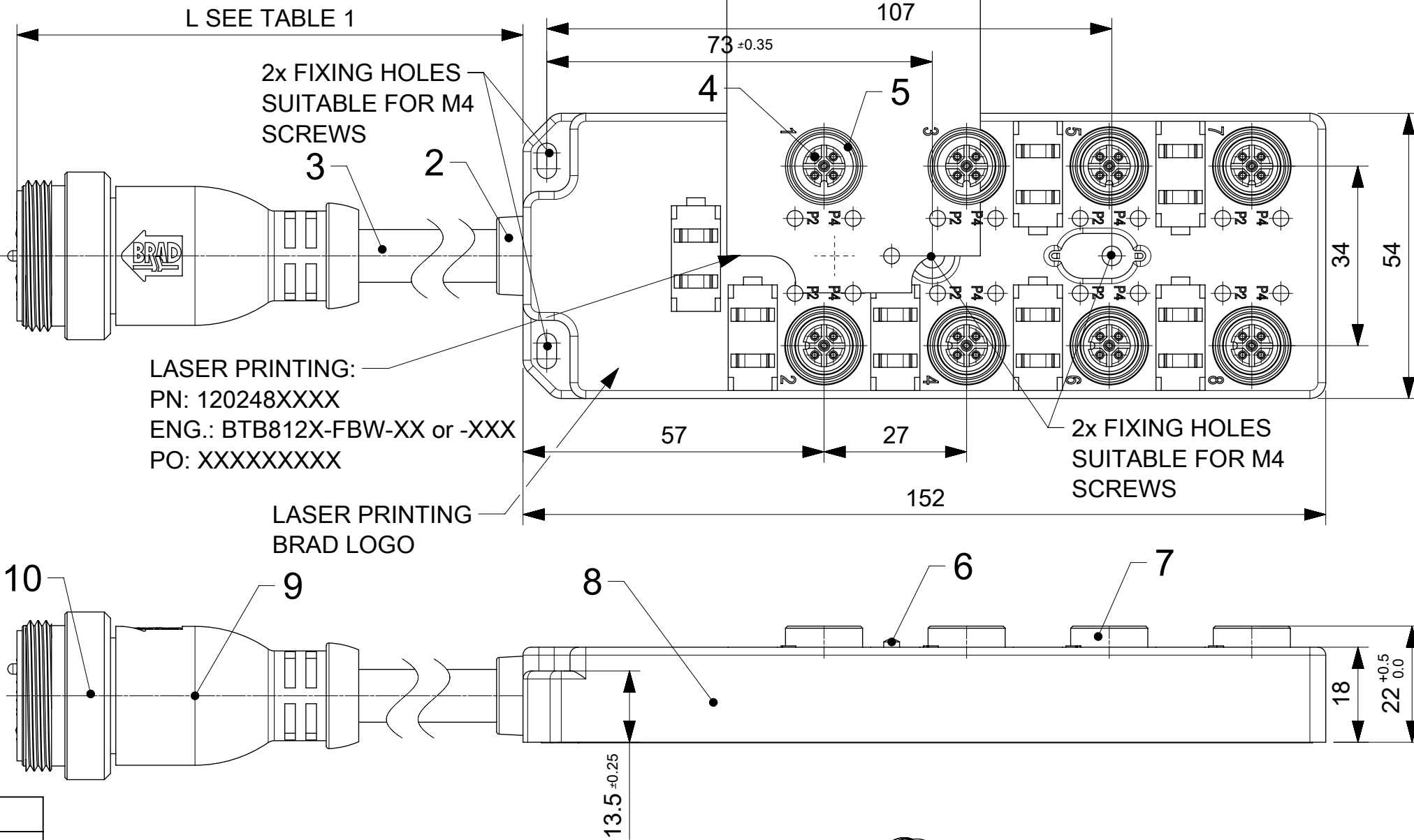
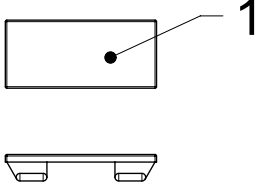


TABLE 1

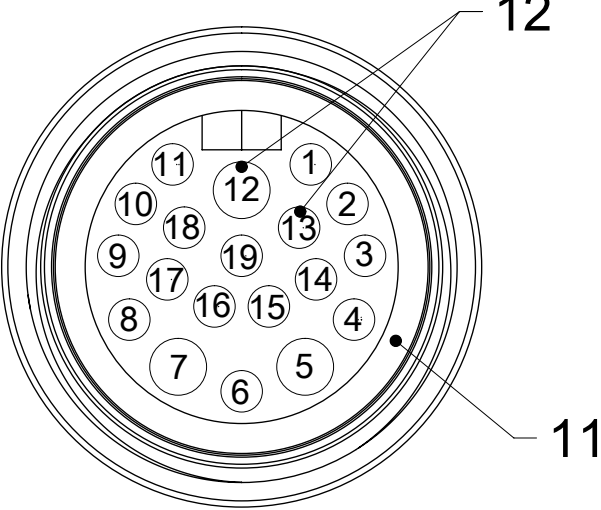
MOLEX P/N	ENG. NO.	CABLE LENGTH (mm)	LED
1202480088	BTB812P-FBW-003	300	YES
1202480100	BTB812P-FBW-01	1000	YES
1202480101	BTB812P-FBW-05	5000	YES
1202480102	BTB812P-FBW-10	10000	YES
1202480095	BTB812N-FBW-003	300	YES
1202480096	BTB812N-FBW-01	1000	YES
1202480097	BTB812N-FBW-05	5000	YES
1202480098	BTB812N-FBW-10	10000	YES
1202480099	BTB8120-FBW-003	300	NO
1202480092	BTB8120-FBW-01	1000	NO
1202480093	BTB8120-FBW-050	5000	NO
1202480094	BTB8120-FBW-10	10000	NO



LABEL
9x packed in a bag.



19 POLE MALE
FACE VIEW



SCALE 2:1

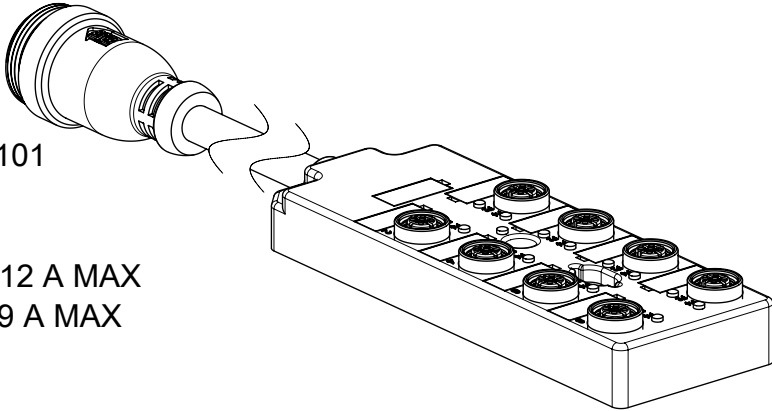
WIRING DIAGRAMM

PIN	COLOR
1	VIOLET
2	RED
3	GREY
4	RED/BLUE
5	BLUE
6	GREEN
7	BROWN
8	WHITE/GREEN
9	WHITE/YELLOW
10	WHITE/GREY
11	BLACK
12	YELLOW/GREEN
13	YELLOW/BROWN
14	BROWN/GREEN
15	WHITE
16	YELLOW
17	PINK
18	GREY/BROWN
19	GREY/PINK

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



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: LASER PRINT EDIT			
▽ = 0		mm		1:1		EC NO: 606042 DRWN: MDHARMANTI 2018/08/30 CHK'D: RSILLER 2018/10/18 APPR: RSILLER 2018/10/18			
▽ = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)							
▽ = 0		ANGULAR TOL ± °							
▽ = 0		4 PLACES ±							
▽ = 0		3 PLACES ±							
▽ = 0		2 PLACES ±				MPIS M12 PNP 5P 8PT AC FE STR XM 19 P MC MA			
▽ = 0		1 PLACE ±							
▽ = 0		0 PLACES ± 0.25							
■ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
▽ = 0									
		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER	
				A3-SIZE		120248		1202480088	
								DOC TYPE	
								DOC PART	
								REVISION	
								PSD	
								000	
								B	
								MATERIAL NUMBER	
								CUSTOMER	
								SHEET NUMBER	
								SEE TABLE 1	
								GENERAL MARKET	
								1 OF 2	

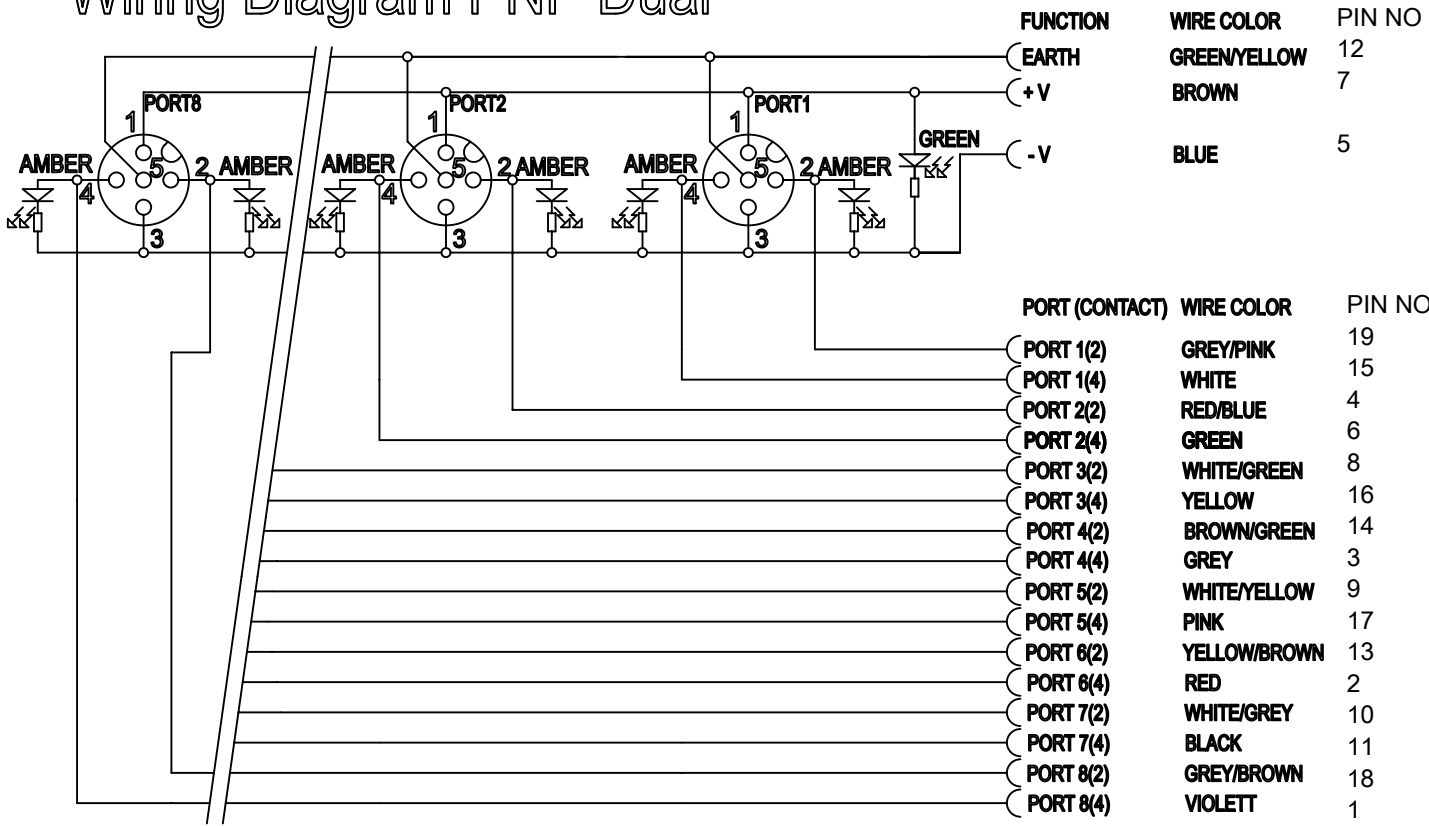
molex

MPIS M12 PNP 5P 8PT AC FE STR XM
19 P MC MA

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202480088	PSD	000	B

Wiring Diagram PNP Dual



Wiring Diagram NPN Dual

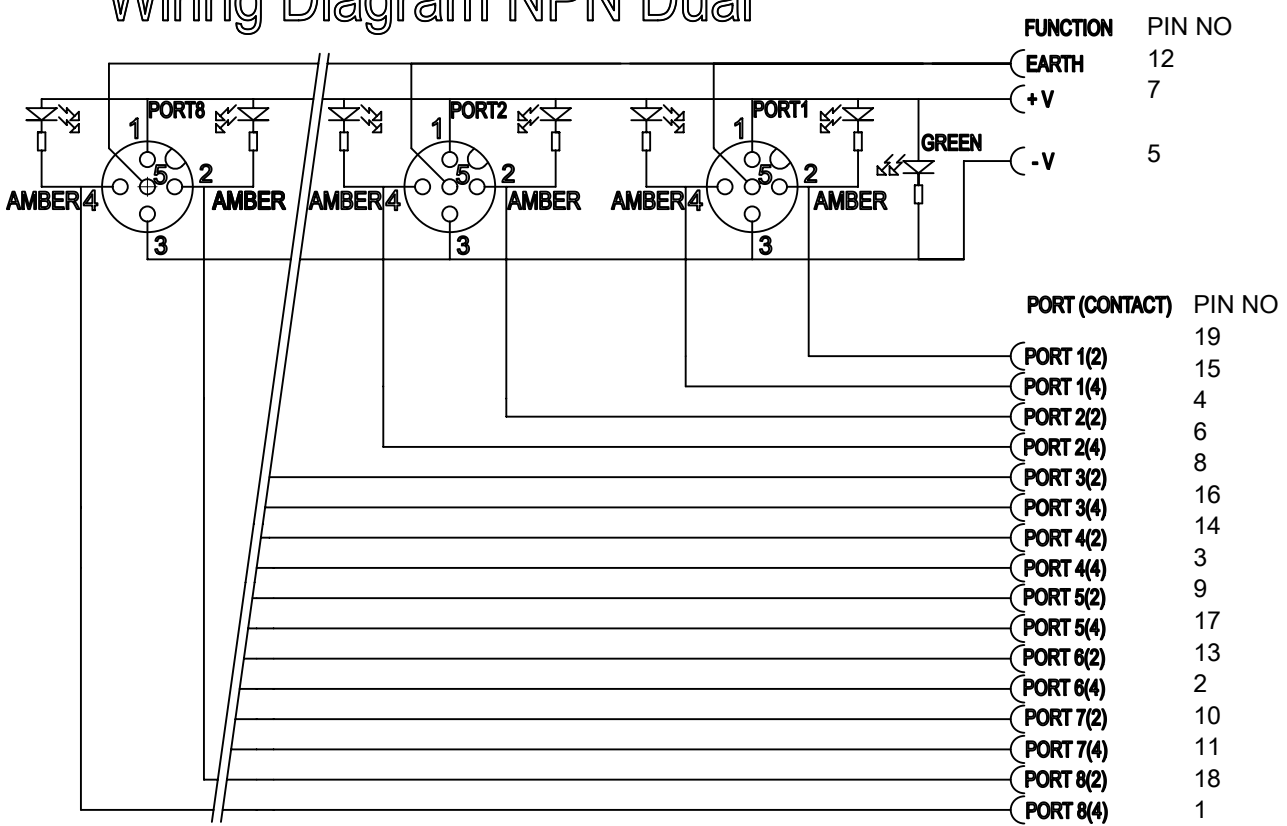
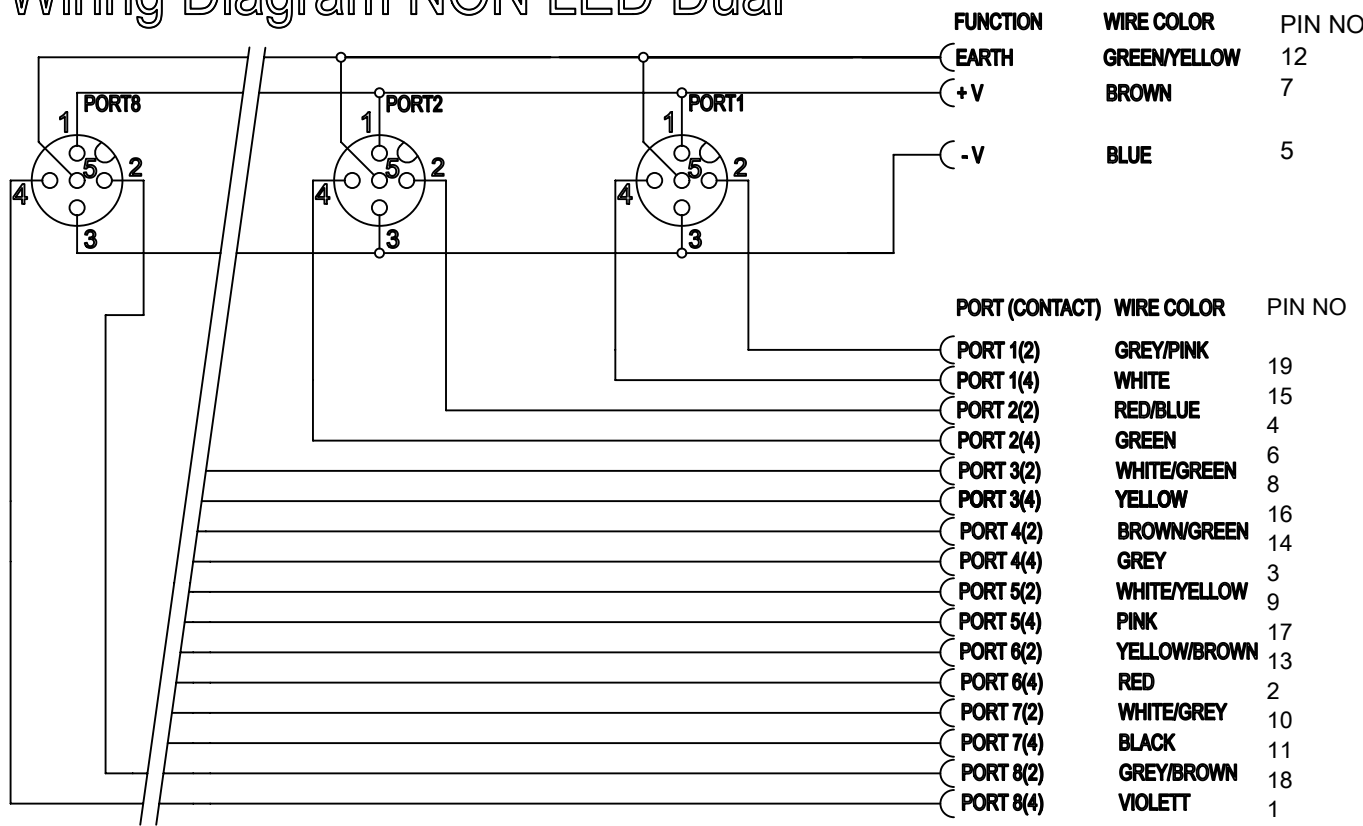


TABLE 2 BILL OF MATERIAL

ITEM	DESCRIPTION	MATERIAL	FINISH
1	LABEL	ABS	WHITE
2	CABLE PLATE	PBT	BLACK
3	CABLE	TPU BASED	BLACK
4	CONTACT	BRASS	GOLD OVER NICKEL
5	O-RING	FPM	RED
6	LED	NO LED = PA	BLACK
		WITH LED = PA	TRANSPARENT
7	SHELL	BRASS	NICKEL PLATED
8	HOUSING	PBT	BLACK
9	OVERMOLDING	PVC	YELLOW
10	COUPLING NUT	ZINC DIE CAST	BLACK
11	INSERT 7 POLE	PVC	BLACK
12	CONTACT	BRASS	GOLD OVER NICKEL

Wiring Diagram NON LED Dual



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: LASER PRINT EDIT			molex MPIS M12 PNP 5P 8PT AC FE STR XM 19 P MC MA							
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 606042 DRWN: MDHARMANTI 2018/08/30 CHK'D: RSILLER 2018/10/18 APPR: RSILLER 2018/10/18										
	ANGULAR TOL ± °														
	4 PLACES		±							INITIAL REVISION: DRWN: ULETTENMEIER 2016/08/18 APPR: RSILLER 2016/09/28					
	3 PLACES		±												
	2 PLACES		±		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 1202480088 DOC TYPE PSD DOC PART 000 REVISION B										
	1 PLACE		±												
	0 PLACES		± 0.25												
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						A3-SIZE		120248		SEE TABLE 1		GENERAL MARKET		2 OF 2	