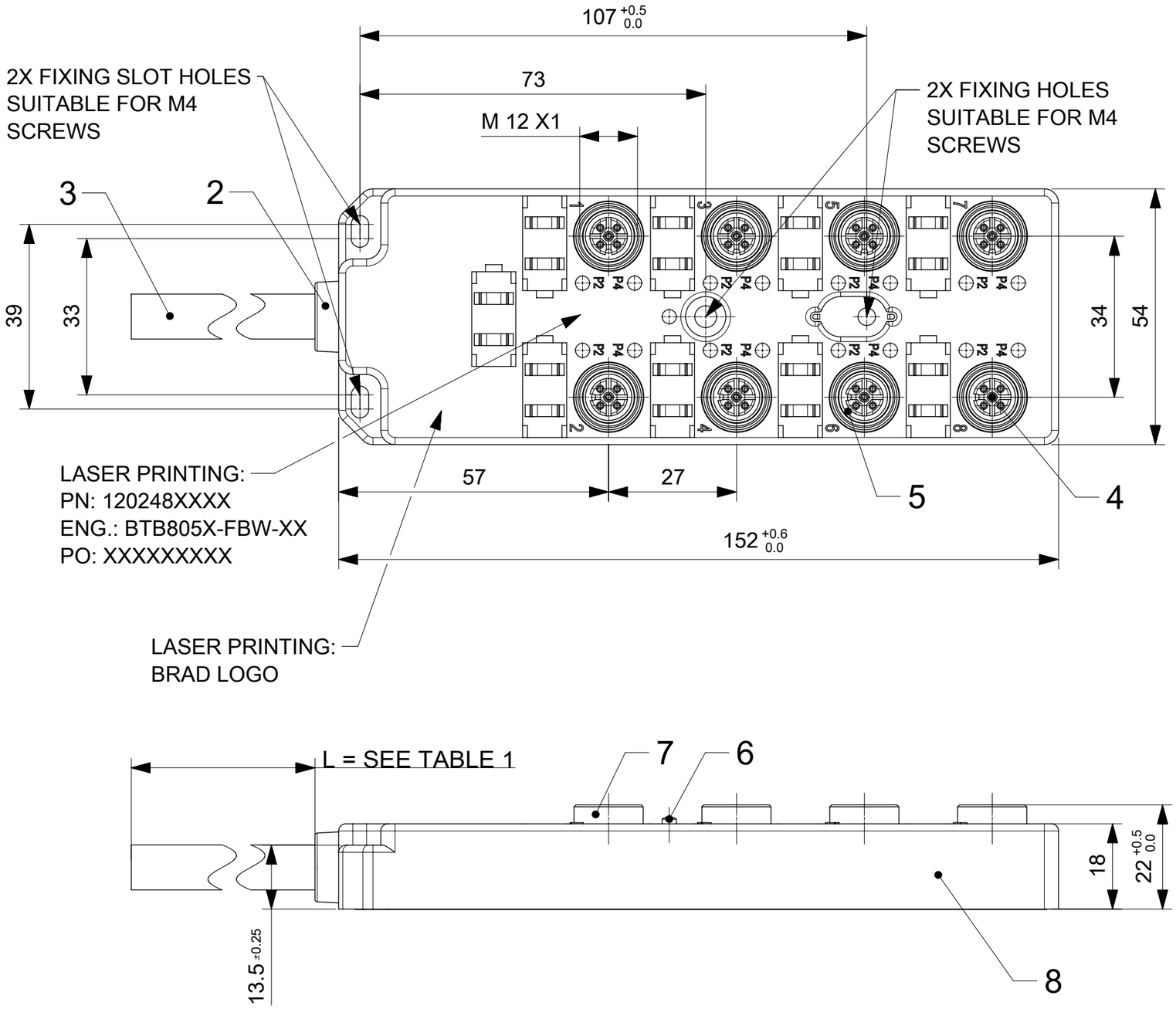
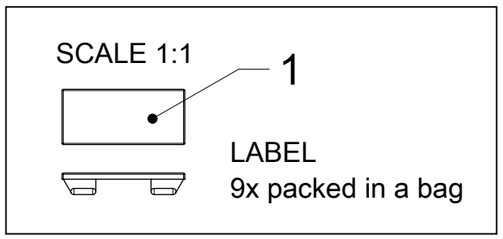
TABLE 1

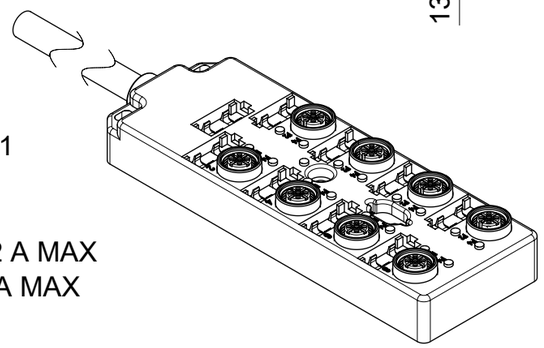
MOLEX P/N	ENG. NO.	CABLE LENGTH (mm)	LED
1202480108	BTB8050-FBW-02	2000	NO
1202480046	BTB8050-FBW-05	5000	NO
1202480047	BTB8050-FBW-10	10000	NO
1202480048	BTB8050-FBW-15	15000	NO
1202480049	BTB805P-FBW-05	5000	YES
1202480050	BTB805P-FBW-10	10000	YES
1202480051	BTB805P-FBW-15	15000	YES
1202480052	BTB805N-FBW-05	5000	YES
1202480053	BTB805N-FBW-10	10000	YES
1202480054	BTB805N-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	NON LED = PA	BLACK
		WITH LED = PA	TRANSPARENT
7	SHELL	BRASS	NICKEL PLATED
8	HOUSING	PBT	BLACK







SCALE 1:2

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

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/18 10:41:04

FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18

SYMBOLS: F = 0; E = 0; F = 0; S = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; V = 0

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DIMENSION UNITS: mm
SCALE:
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

CURRENT REV DESC: LASER PRINT UPDATE

EC NO: 606042
DRWN: SSM 2018/08/30
CHK'D: RSILLER 2018/10/18
APPR: RSILLER 2018/10/18

INITIAL REVISION:
DRWN: AAHLERS 2015/04/01
APPR: RSILLER 2015/05/20

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120248

molex

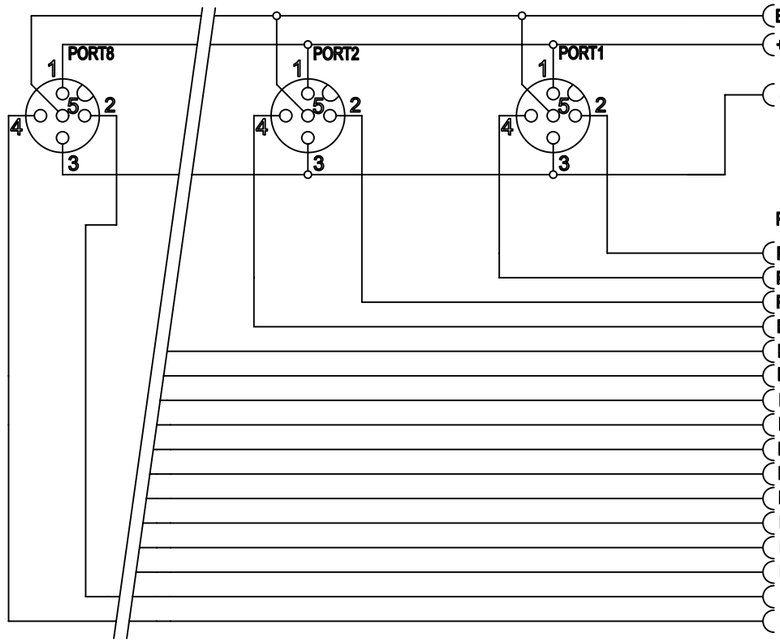
MPIS M12 PNP NOS 5P 8PT AC FE STR XM STA DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202480046	PSD	000	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE 1	GENERAL MARKET	1 OF 2

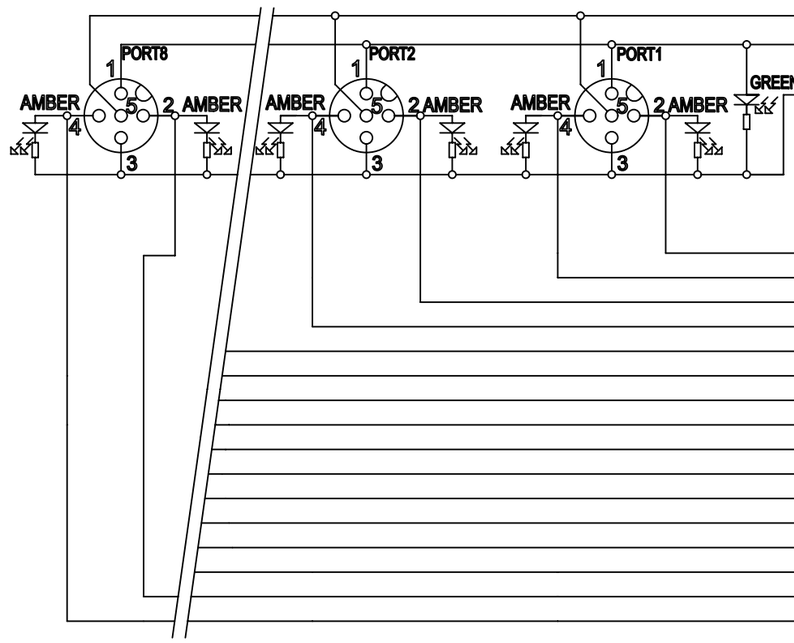
Wiring Diagram NON LED Dual



FUNCTION	WIRE COLOR
EARTH	GREEN/YELLOW
+V	BROWN
-V	BLUE

PORT (CONTACT)	WIRE COLOR
PORT 1(2)	GREY/PINK
PORT 1(4)	WHITE
PORT 2(2)	RED/BLUE
PORT 2(4)	GREEN
PORT 3(2)	WHITE/GREEN
PORT 3(4)	YELLOW
PORT 4(2)	BROWN/GREEN
PORT 4(4)	GREY
PORT 5(2)	WHITE/YELLOW
PORT 5(4)	PINK
PORT 6(2)	YELLOW/BROWN
PORT 6(4)	RED
PORT 7(2)	WHITE/GREY
PORT 7(4)	BLACK
PORT 8(2)	GREY/BROWN
PORT 8(4)	VIOLETT

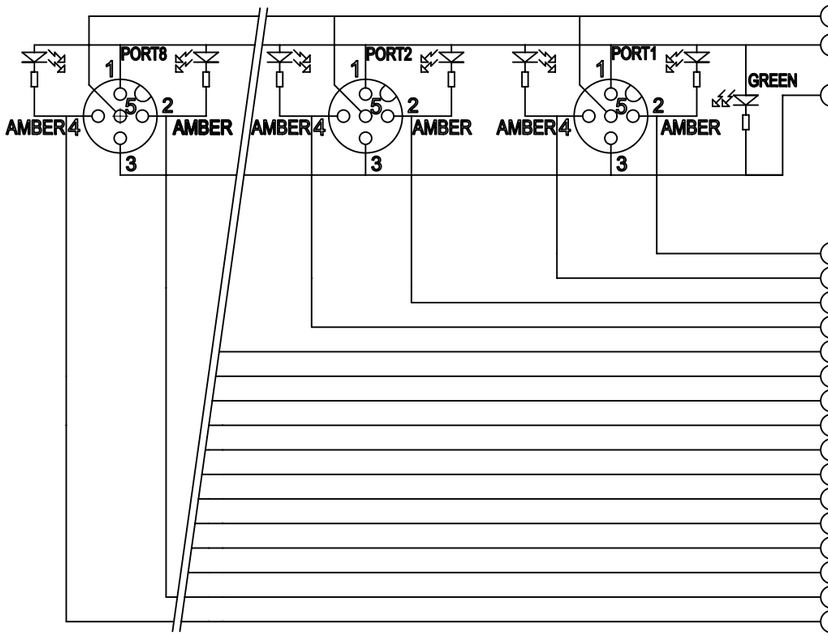
Wiring Diagram PNP Dual



FUNCTION	WIRE COLOR
EARTH	GREEN/YELLOW
+V	BROWN
-V	BLUE

PORT (CONTACT)	WIRE COLOR
PORT 1(2)	GREY/PINK
PORT 1(4)	WHITE
PORT 2(2)	RED/BLUE
PORT 2(4)	GREEN
PORT 3(2)	WHITE/GREEN
PORT 3(4)	YELLOW
PORT 4(2)	BROWN/GREEN
PORT 4(4)	GREY
PORT 5(2)	WHITE/YELLOW
PORT 5(4)	PINK
PORT 6(2)	YELLOW/BROWN
PORT 6(4)	RED
PORT 7(2)	WHITE/GREY
PORT 7(4)	BLACK
PORT 8(2)	GREY/BROWN
PORT 8(4)	VIOLETT

Wiring Diagram NPN Dual



FUNCTION	WIRE COLOR
EARTH	GREEN/YELLOW
+V	BROWN
-V	BLUE

PORT (CONTACT)	WIRE COLOR
PORT 1(2)	GREY/PINK
PORT 1(4)	WHITE
PORT 2(2)	RED/BLUE
PORT 2(4)	GREEN
PORT 3(2)	WHITE/GREEN
PORT 3(4)	YELLOW
PORT 4(2)	BROWN/GREEN
PORT 4(4)	GREY
PORT 5(2)	WHITE/YELLOW
PORT 5(4)	PINK
PORT 6(2)	YELLOW/BROWN
PORT 6(4)	RED
PORT 7(2)	WHITE/GREY
PORT 7(4)	BLACK
PORT 8(2)	GREY/BROWN
PORT 8(4)	VIOLETT

SYMBOLS	
= 0	
= 0	
= 0	
= 0	
= 0	
= 0	
= 0	
= 0	

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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

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THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120248

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MPIS M12 PNP NOS 5P 8PT AC FE STR XM STA DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202480046	PSD	000	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE 1	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/18 10:41:04

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