TABLE 1 DUAL WIRED

MOLEX P/N	ENG. NO.	CABLE LENGTH (mm) + TOLERANCE	LED
1202480037	BTB6050-FBW-05	5000 +165	NO
1202480038	BTB6050-FBW-10	10000 +317	NO
1202480039	BTB6050-FBW-15	15000 +610	NO
1202480040	BTB605P-FBW-05	5000 +165	YES
1202480041	BTB605P-FBW-10	10000 +317	YES
1202480042	BTB605P-FBW-15	15000 +610	YES
1202480043	BTB605N-FBW-05	5000 +165	YES
1202480044	BTB605N-FBW-10	10000 +317	YES
1202480045	BTB605N-FBW-15	15000 +610	YES

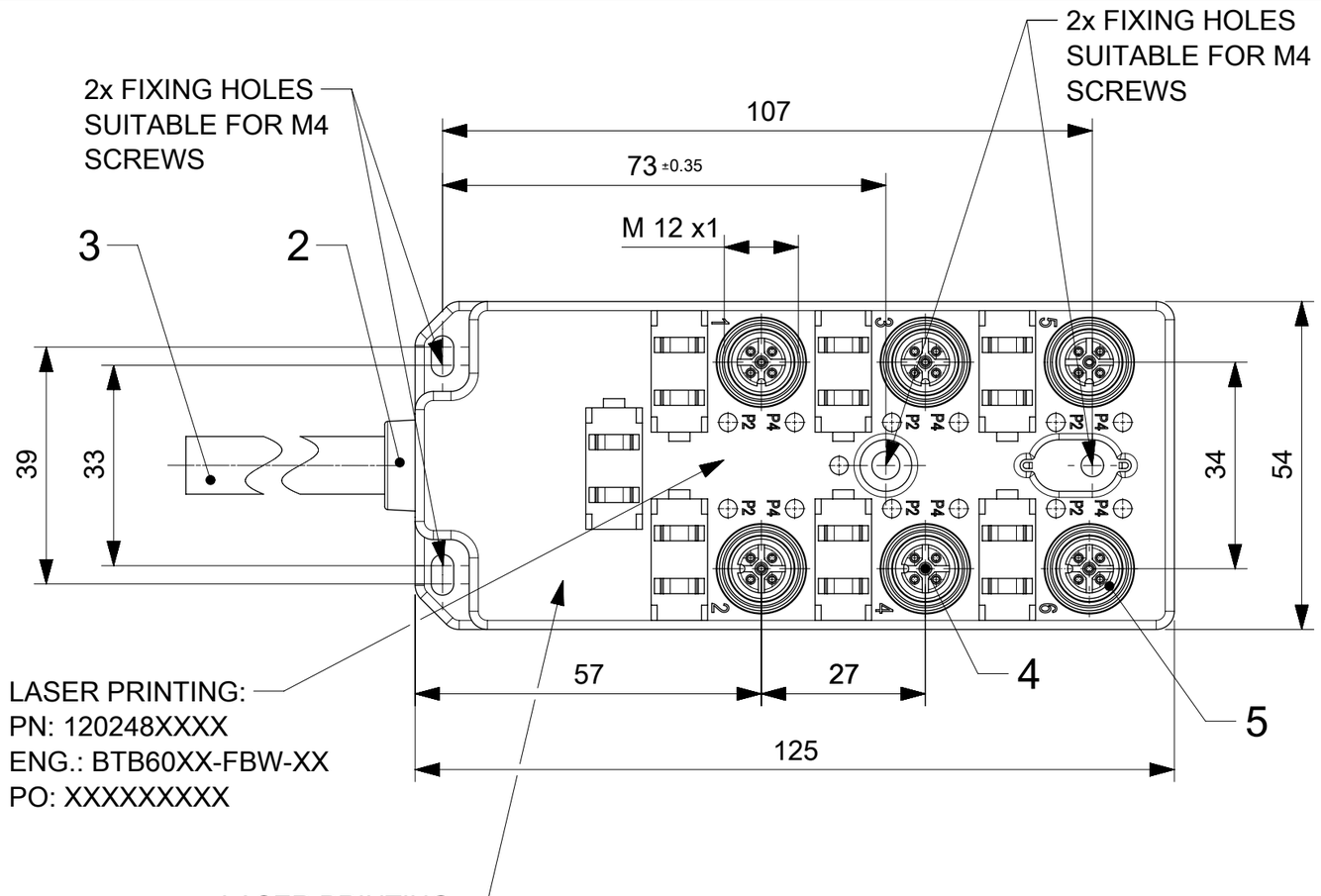
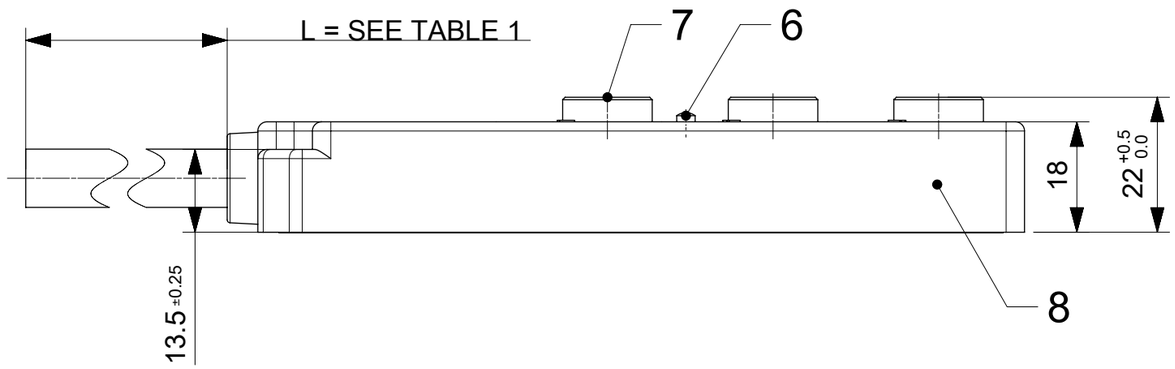


TABLE 2 BILL OF MATERIAL

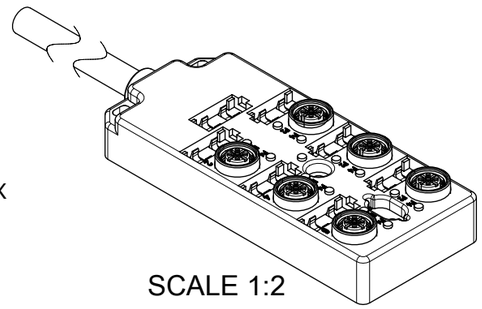
ITEM	DESCRIPTION	MATERIAL	FINISH
1	LABEL	ABS	WHITE
2	CABLE PLATE	PBT	BLACK
3	CABLE	TPU BASED	BLACK
4	CONTACT	BRONZE	GOLD OVER NICKEL
5	O-RING	FPM	RED
6	LED DUAL WIRED	NO LED = PA	BLACK
		WITH LED = PA	TRANSPARENT
7	SHELL	BRASS	NICKEL PLATED
8	HOUSING	PBT	BLACK



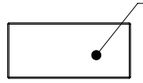
GENERAL CHARACTERISTICS:

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



SCALE 1:2



LABEL
7x packed in a bag



SCALE 1:1

DOCUMENT STATUS	P1	RELEASE DATE	2021/10/04	05:48:02	

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FB = 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	mm
SCALE	1:1
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: ADDED TOLERANCE

EC NO: 679945
DRWN: MDHARMANTI 2021/09/28
CHK'D: RSILLER 2021/10/04
APPR: RSILLER 2021/10/04

INITIAL REVISION:
DRWN: AAHLERS 2015/04/07
APPR: RSILLER 2017/01/13

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

molex

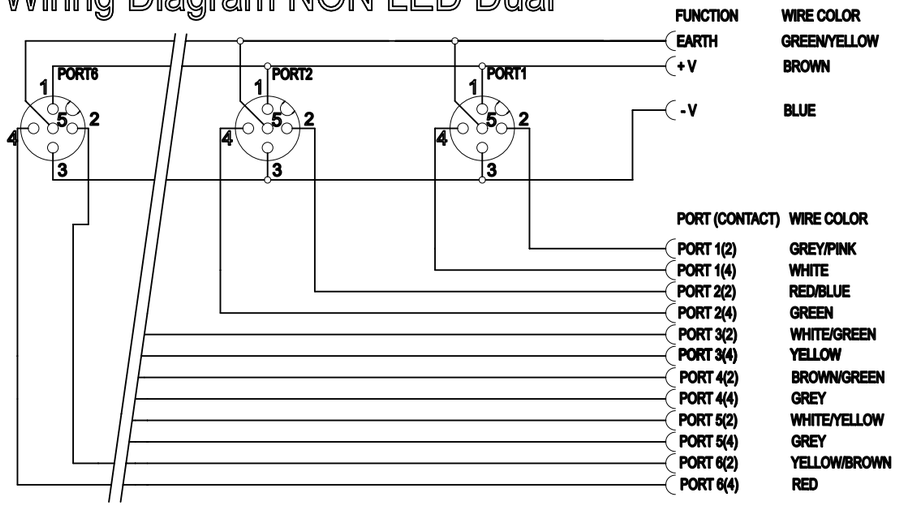
MPIS M12 PNP NPN NOS 5P 6PT AC FE STR XM STA DUAL

PRODUCT CUSTOMER DRAWING

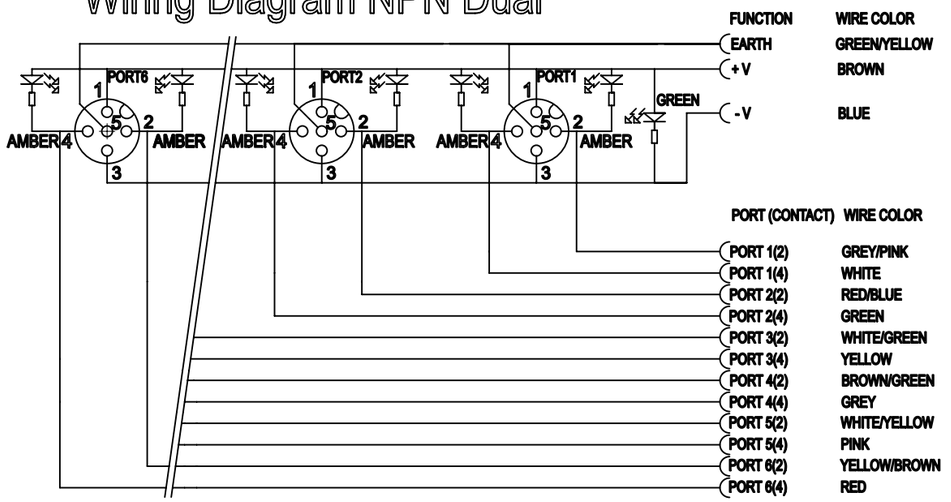
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202480037	PSD	000	B1

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

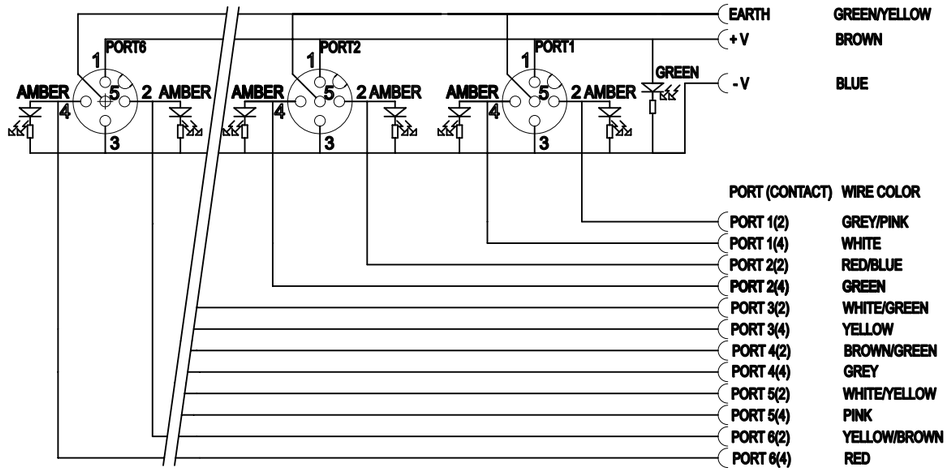
Wiring Diagram NON LED Dual



Wiring Diagram NPN Dual



Wiring Diagram PNP Dual



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

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: ADDED TOLERANCE

EC NO: 679945
DRWN: MDHARMANTI 2021/09/28
CHK'D: RSILLER 2021/10/04
APPR: RSILLER 2021/10/04

INITIAL REVISION:
DRWN: AAHLERS 2015/04/07
APPR: RSILLER 2017/01/13

molex

MPIS M12 PNP NPN NOS 5P 6PT AC FE STR XM STA DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202480037	PSD	000	B1

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

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

DOCUMENT STATUS	P1	RELEASE DATE	2021/10/04 05:48:02

FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01