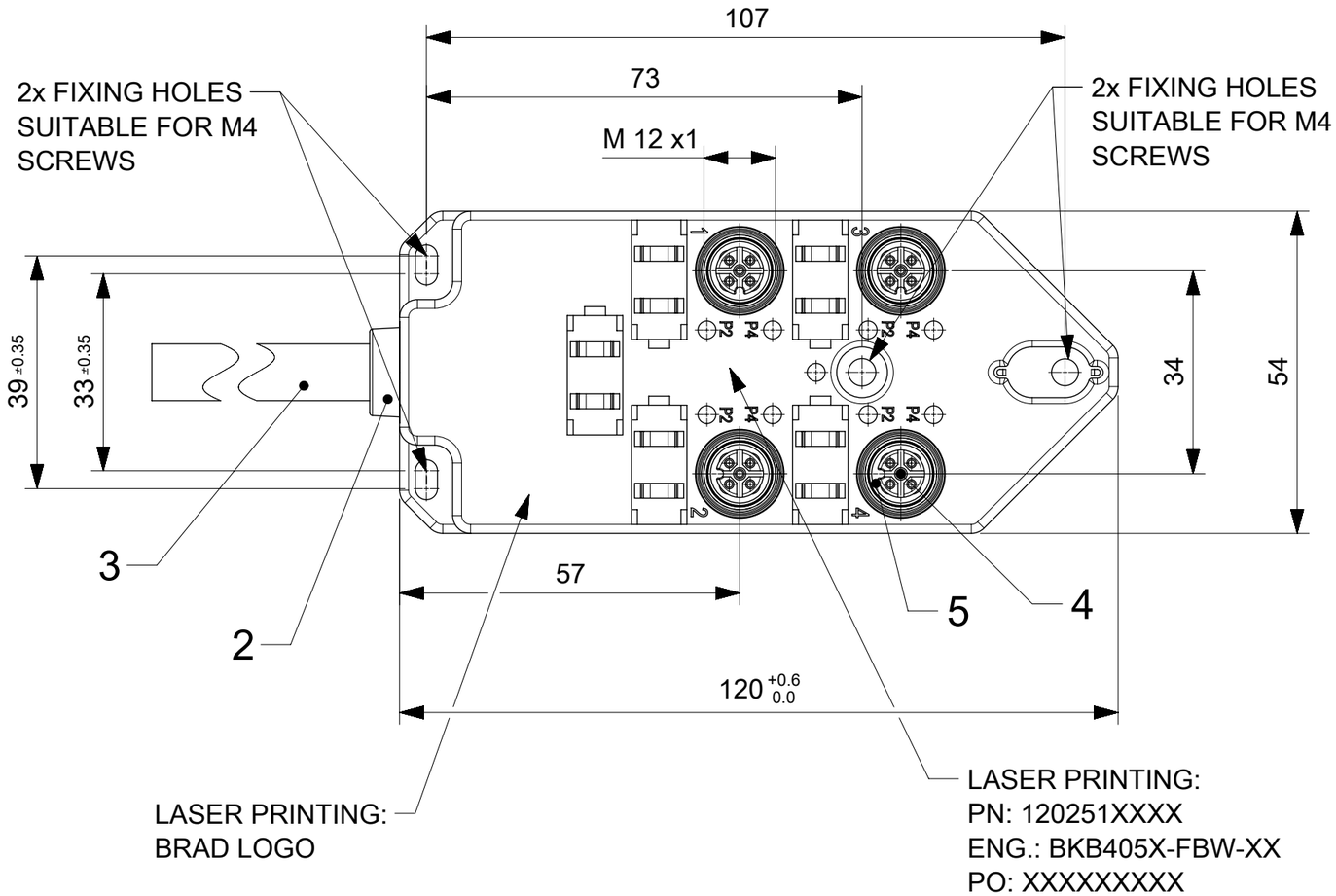
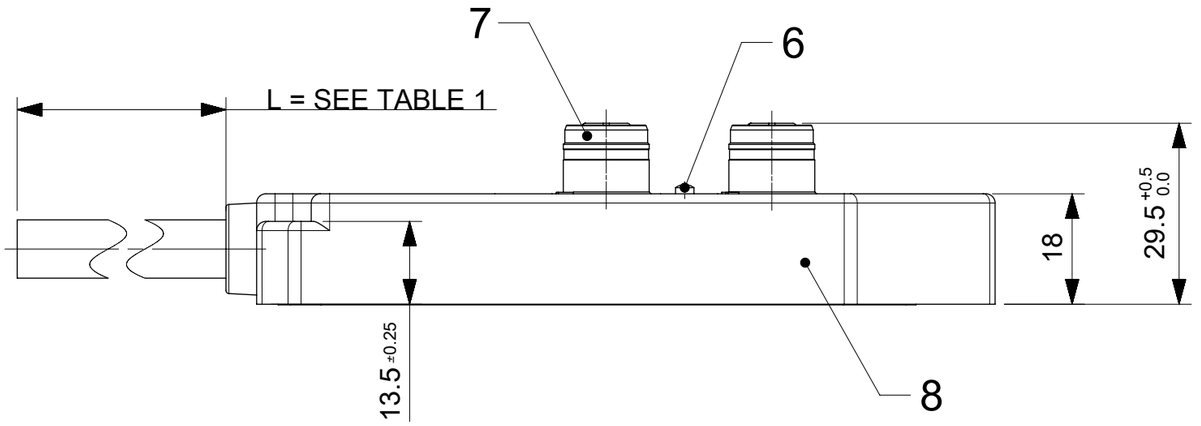
TABLE 1

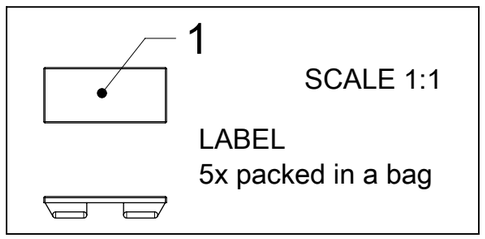
MOLEX P/N	ENG. NO.	CABLE LENGTH (mm)	LED
1202510046	BKB4050-FBW-05	5000	NO
1202510047	BKB4050-FBW-10	10000	NO
1202510048	BKB4050-FBW-15	15000	NO
1202510049	BKB405P-FBW-05	5000	YES
1202510050	BKB405P-FBW-10	10000	YES
1202510051	BKB405P-FBW-15	15000	YES
1202510052	BKB405N-FBW-05	5000	YES
1202510053	BKB405N-FBW-10	10000	YES
1202510054	BKB405N-FBW-15	15000	YES

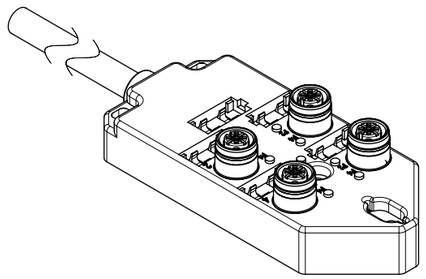
TABLE 2 BILL OF MATERIAL

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	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	2020/02/05 10:52:02

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

SYMBOLS: E = 0, E = 0, E = 0, S = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, ▽ = 0

DIMENSION UNITS: mm — SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.05
1 PLACE	±	0.3
0 PLACES	±	0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: INITIAL RELEASE

EC NO:	631635	
DRWN:	MDHARMANTI	2020/01/27
CHK'D:	RSILLER	2020/02/05
APPR:	RSILLER	2020/02/05

INITIAL REVISION:

DRWN:	SSM	2018/11/30
APPR:	RSILLER	2020/01/17

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120251

molex

MPIS U12 NON 5P 4PT BK 5M DUAL

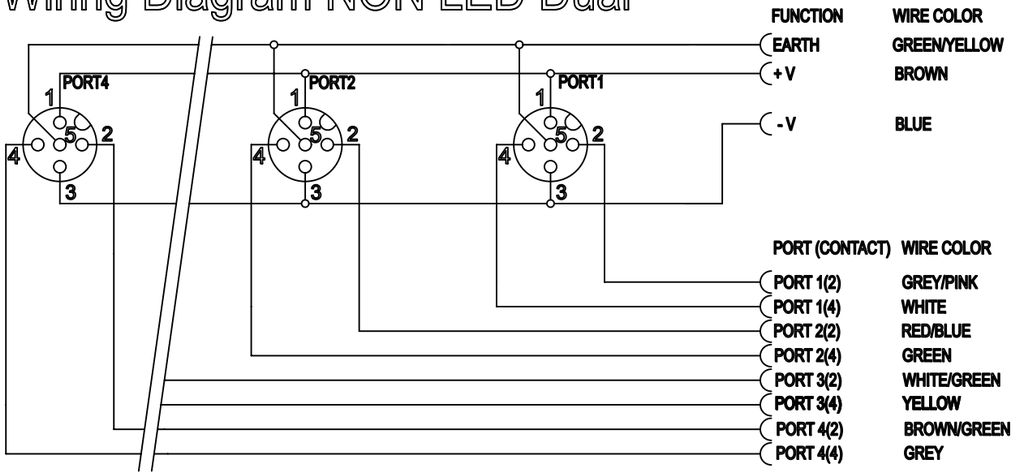
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202510046	PSD	000	A1

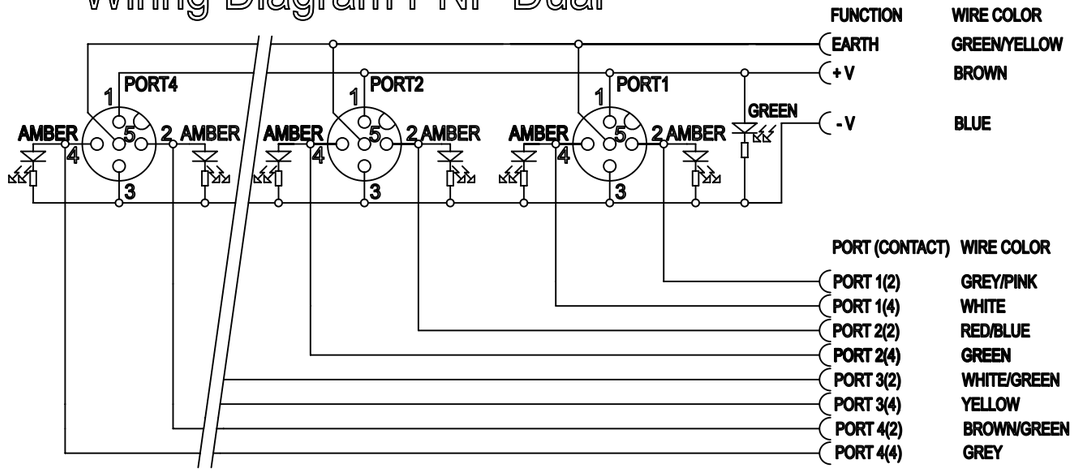
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE 1	GENERAL MARKET	1 OF 2

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

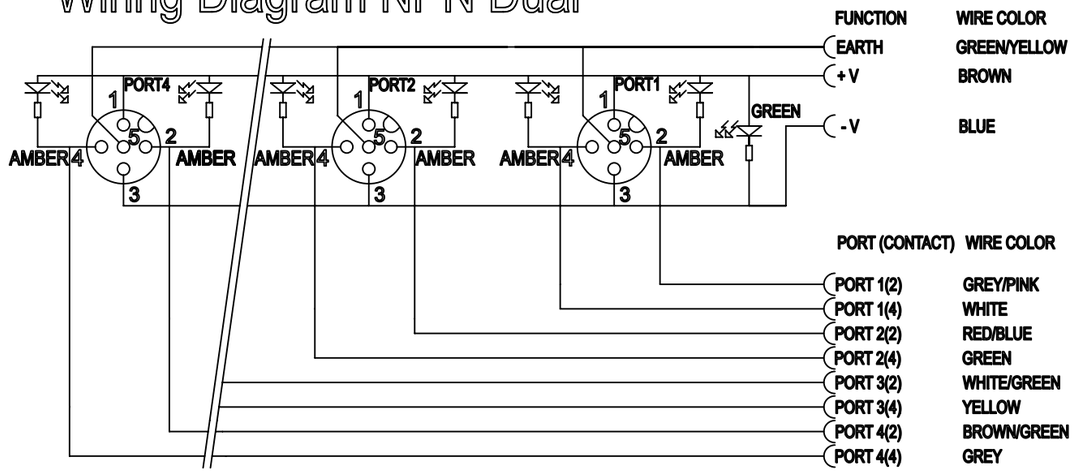
Wiring Diagram NON LED Dual



Wiring Diagram PNP Dual



Wiring Diagram NPN Dual



CABLE LENGTH TOLERANCES

LENGTH [m]	TOLERANCE [mm]
0-1	+40
>1-5	+60
>5-10	+80
>10-20	+140
>20-30	+160
>30	+1% length

SYMBOLS	
F = 0	
E = 0	
B = 0	
S = 0	
▼ = 0	
C = 0	
☒ = 0	
■ = 0	
= 0	

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.05
1 PLACE	± 0.3
0 PLACES	± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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CURRENT REV DESC: INITIAL RELEASE

EC NO: 631635

DRWN:	MDHARMANTI	2020/01/27
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APPR:	RSILLER	2020/02/05

INITIAL REVISION:

DRWN:	SSM	2018/11/30
APPR:	RSILLER	2020/01/17

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120251

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MPIS U12 NON 5P 4PT BK 5M DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202510046	PSD	000	A1

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

DOCUMENT STATUS	P1	RELEASE DATE	2020/02/05 10:52:02

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