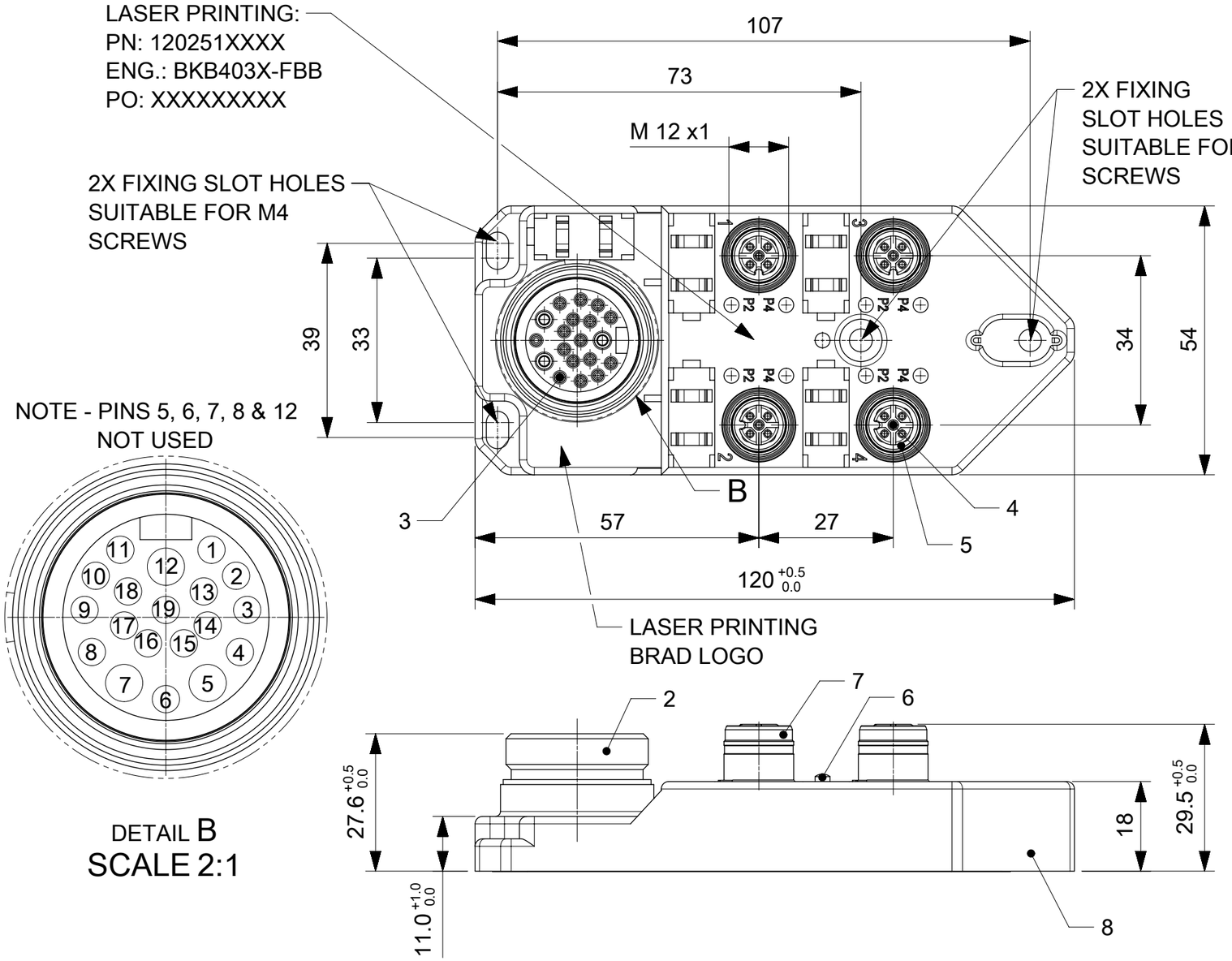
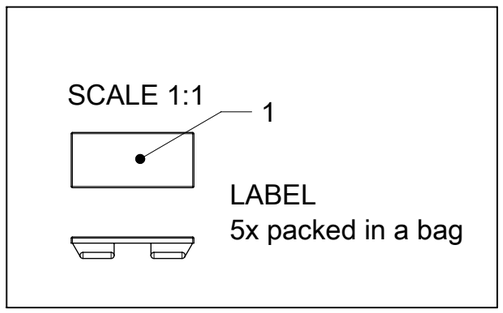
TABLE 1

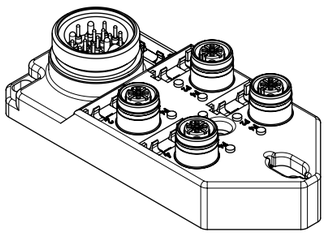
MOLEX P/N	ENG. NO.	LED
1202510088	BKB4030-FBB	NO
1202510089	BKB403P-FBB	YES
1202510090	BKB403N-FBB	YES

TABLE 2 BILL OF MATERIAL

ITEM	DESCRIPTION	MATERIAL	FINISH
1	LABEL	ABS	WHITE
2	SHELL	BRASS	NICKEL PLATED
3	CONTACT	BRASS	GOLD OVER NICKEL
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







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	2020/01/17 08:23:51

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

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SYMBOLS: E = 0, E = 0, E = 0, S = 0, ▼ = 0, V = 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

CURRENT REV DESC:

EC NO: 630686
DRWN: SSM 2019/01/02
CHK'D: RSILLER 2020/01/17
APPR: RSILLER 2020/01/17

INITIAL REVISION:
DRWN: SSM 2019/01/02
APPR: RSILLER 2020/01/17

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

molex

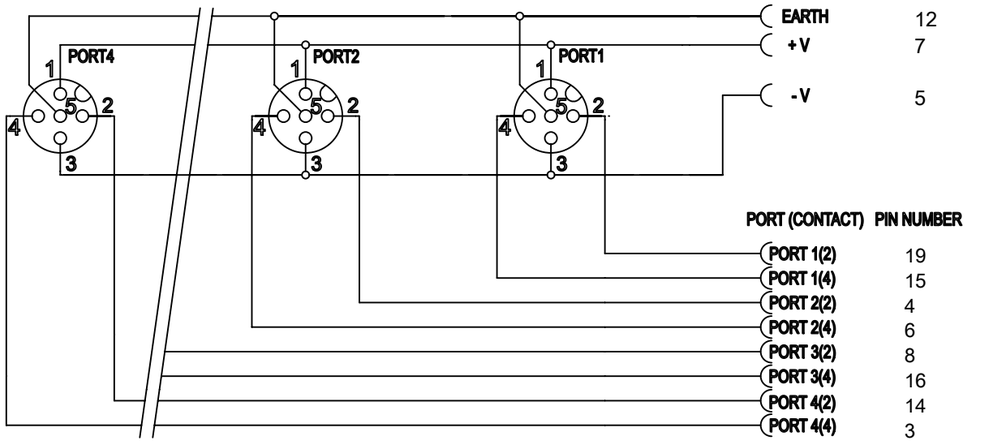
MPIS U12 NON 5P 4PT MINI CHANGE BK DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202510088	PSD	000	A

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

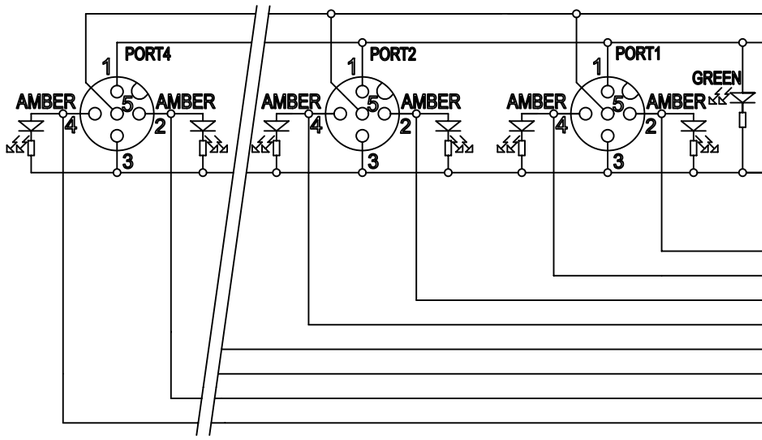
Wiring Diagram NON LED



FUNCTION	PIN NUMBER
EARTH	12
+V	7
-V	5

PORT (CONTACT)	PIN NUMBER
PORT 1(2)	19
PORT 1(4)	15
PORT 2(2)	4
PORT 2(4)	6
PORT 3(2)	8
PORT 3(4)	16
PORT 4(2)	14
PORT 4(4)	3

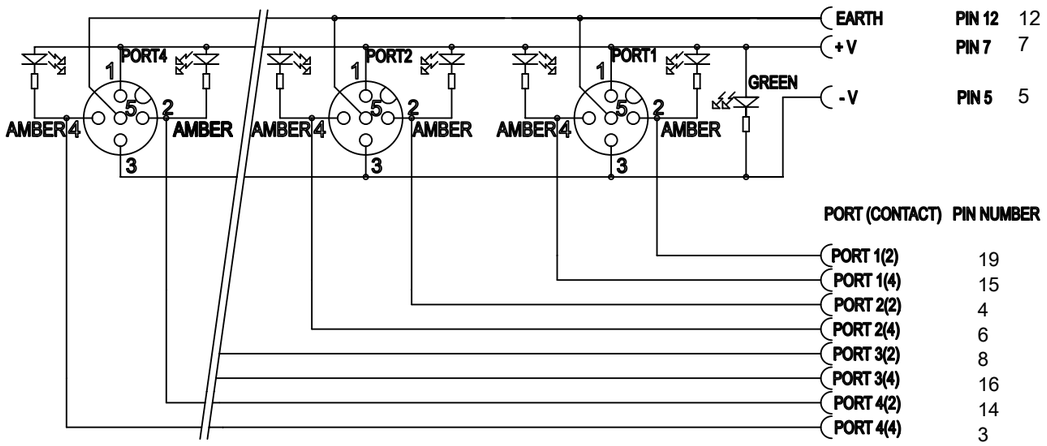
Wiring Diagram PNP



FUNCTION	PIN NUMBER
EARTH	12
+V	7
-V	5

PORT (CONTACT)	PIN NUMBER
PORT 1(2)	19
PORT 1(4)	15
PORT 2(2)	4
PORT 2(4)	6
PORT 3(2)	8
PORT 3(4)	16
PORT 4(2)	14
PORT 4(4)	3

Wiring Diagram NPN Dual



FUNCTION	PIN NUMBER	
EARTH	PIN 12	12
+V	PIN 7	7
-V	PIN 5	5

PORT (CONTACT)	PIN NUMBER
PORT 1(2)	19
PORT 1(4)	15
PORT 2(2)	4
PORT 2(4)	6
PORT 3(2)	8
PORT 3(4)	16
PORT 4(2)	14
PORT 4(4)	3

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SYMBOLS: FA = 0; FC = 0; FE = 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

CURRENT REV DESC:

EC NO: 630686
DRWN: SSM 2019/01/02
CHK'D: RSILLER 2020/01/17
APPR: RSILLER 2020/01/17

INITIAL REVISION:
DRWN: SSM 2019/01/02
APPR: RSILLER 2020/01/17

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

molex

MPIS U12 NON 5P 4PT MINI CHANGE BK DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202510088	PSD	000	A

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

DOCUMENT STATUS	P1	RELEASE DATE	2020/01/17 08:23:51

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