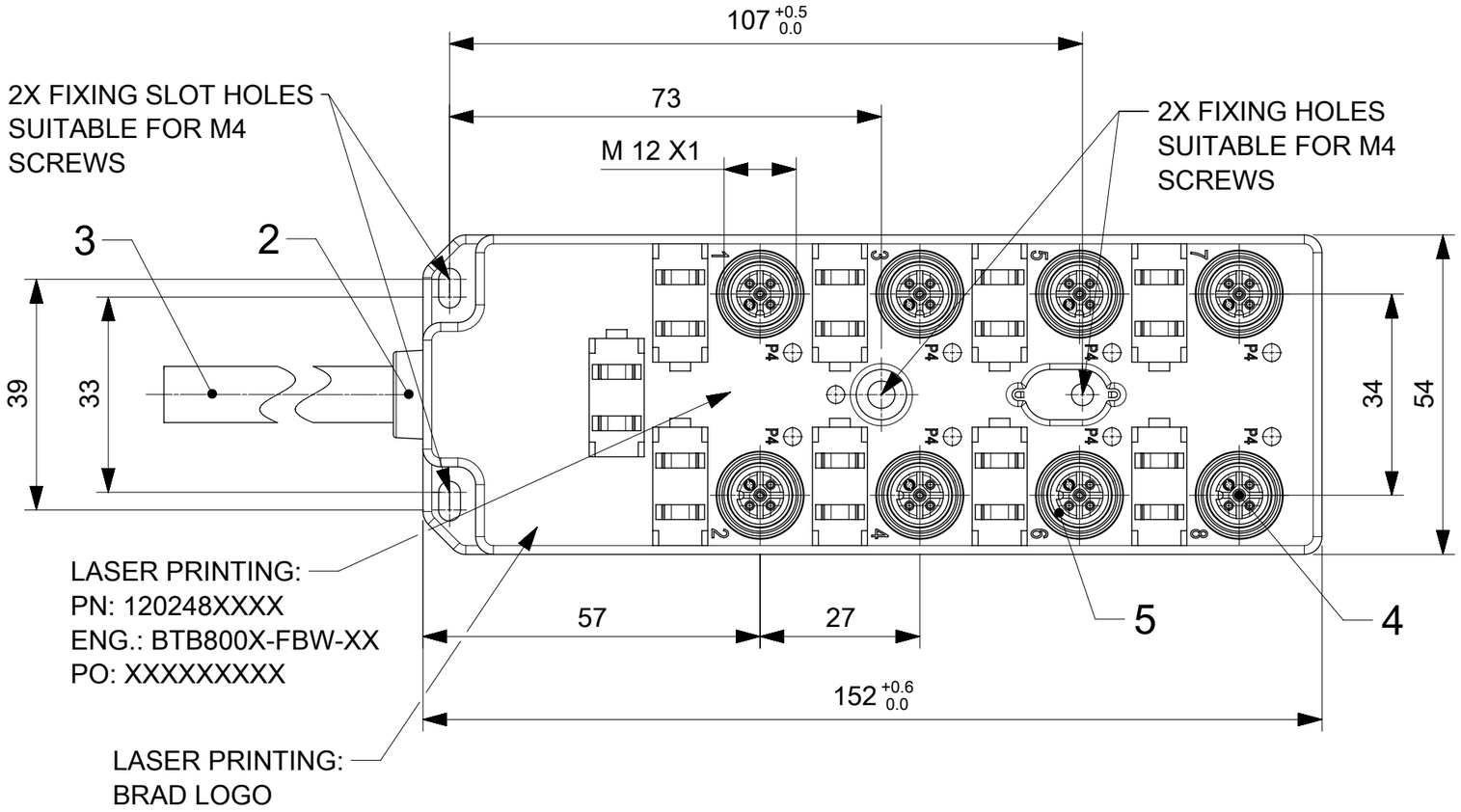
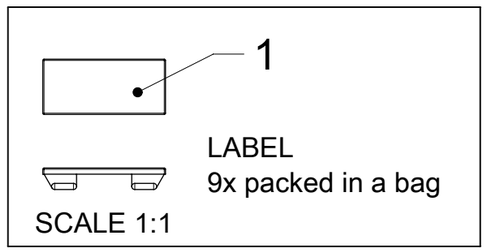
TABLE 1

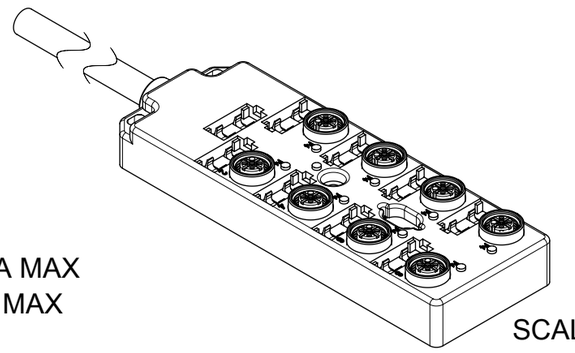
MOLEX P/N	ENG. NO.	CABLE LENGTH (mm)	LED
1202480019	BTB8000-FBW-05	5000	NO
1202480020	BTB8000-FBW-10	10000	NO
1202480021	BTB8000-FBW-15	15000	NO
1202480022	BTB800P-FBW-05	5000	YES
1202480023	BTB800P-FBW-10	10000	YES
1202480024	BTB800P-FBW-15	15000	YES
1202480521	BTB800P-FBW-20	20000	YES
1202480025	BTB800N-FBW-05	5000	YES
1202480026	BTB800N-FBW-10	10000	YES
1202480027	BTB800N-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	2018/10/18 10:40:58

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

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

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

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

CURRENT REV DESC: LASER PRINTING ADDED

EC NO: 606042
DRWN: ULETTENMEIER 2018/08/15
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

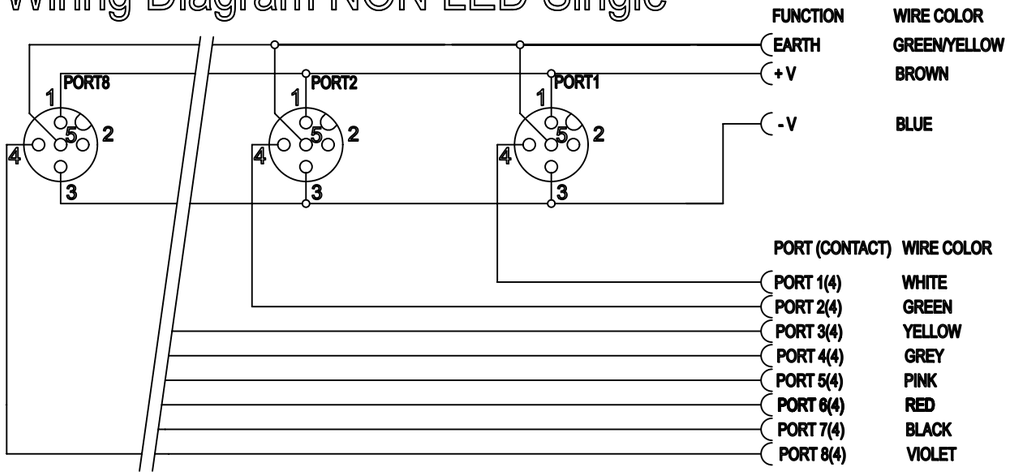
MPIS M12 PNP NPN NOS 4P 8PT AC FE STR BK XM STA SINGLE

PRODUCT CUSTOMER DRAWING

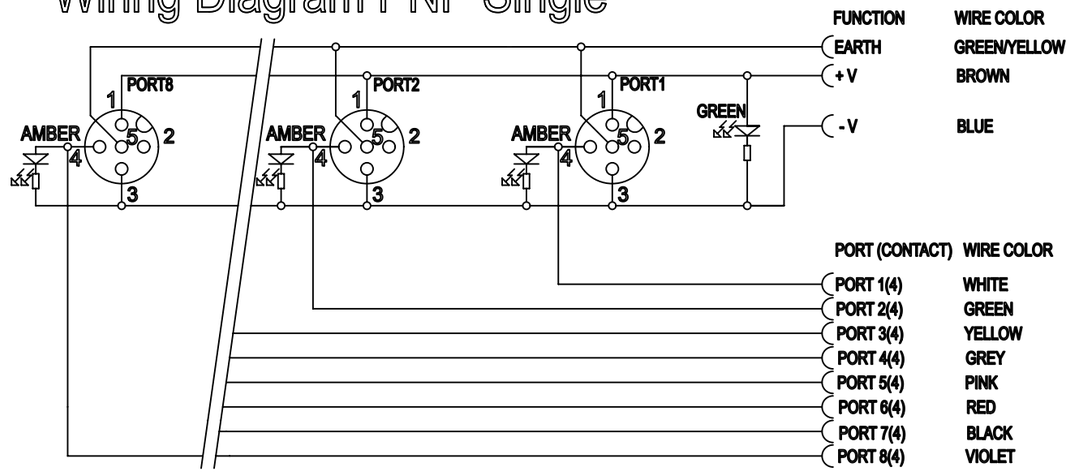
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1202480019	PSD	000	B

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

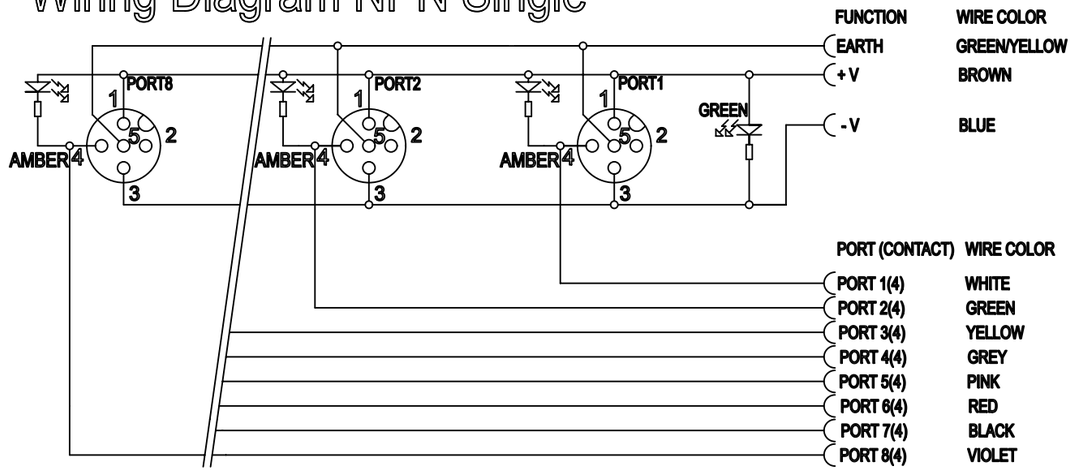
Wiring Diagram NON LED Single



Wiring Diagram PNP Single



Wiring Diagram NPN Single



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
FA = 0	DIMENSION UNITS: mm	SCALE	CURRENT REV DESC: LASER PRINTING ADDED	molex				
EC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)							
EB = 0	ANGULAR TOL ± °		EC NO: 606042	MPIS M12 PNP NPN NOS 4P 8PT AC FE STR BK XM STA SINGLE				
S = 0	4 PLACES ±		DRWN: ULETTENMEIER 2018/08/15					
▼ = 0	3 PLACES ±		CHK'D: RSILLER 2018/10/18	PRODUCT CUSTOMER DRAWING				
C = 0	2 PLACES ±		APPR: RSILLER 2018/10/18	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	
☒ = 0	1 PLACE ±		INITIAL REVISION:	1202480019	PSD	000	B	
■ = 0	0 PLACES ± 0.25		DRWN: AAHLERS 2015/04/01					
V = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: RSILLER 2015/05/20	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
					A3-SIZE	120248	SEE TABLE 1	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/18 10:40:58

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

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2147561082 2174902123 2174911202 151660051 1451300703 2153482125 2162721083 2174712111
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2163012123 2178431123 151660751 217471-1221 2181021034 1200878703