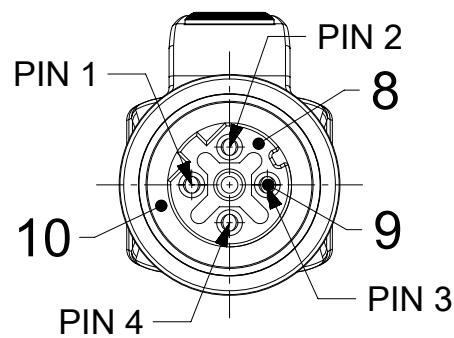
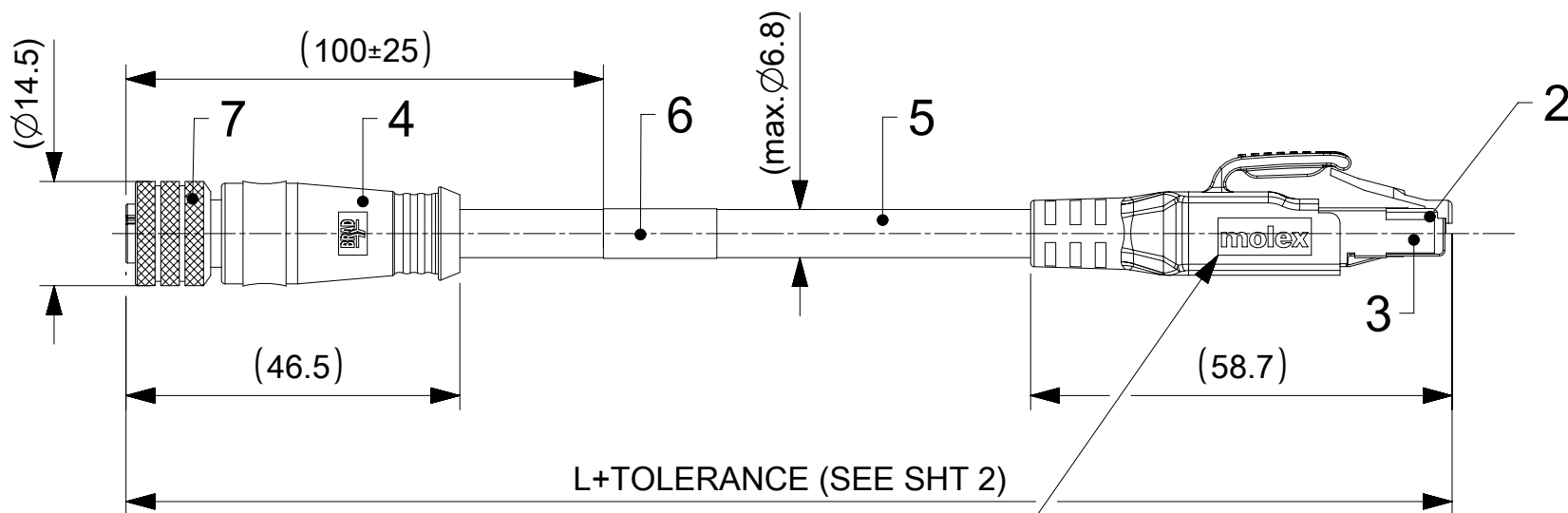
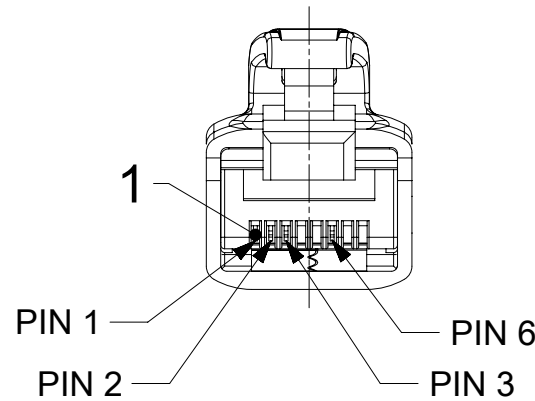
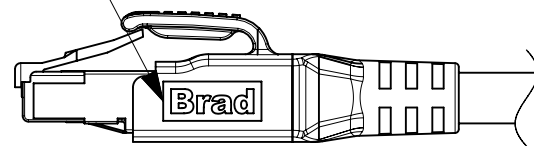




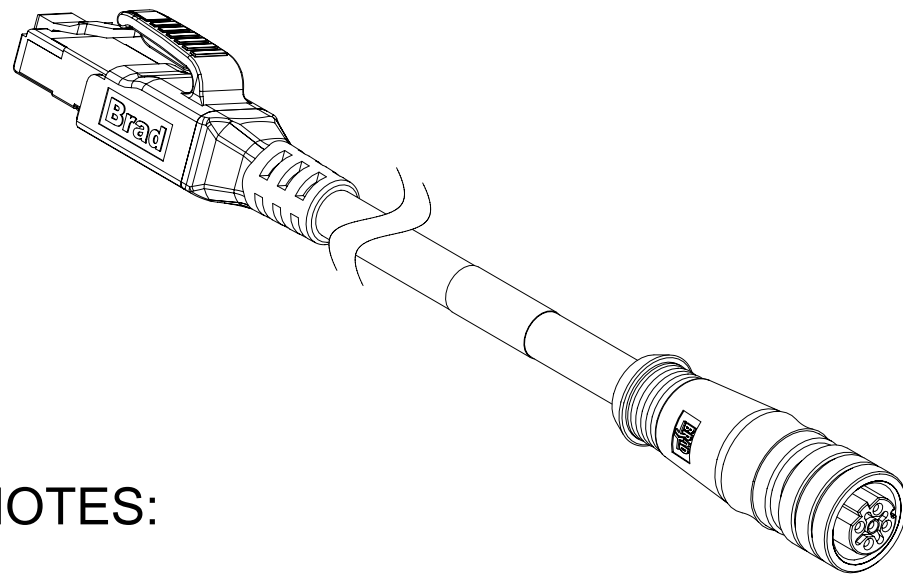
FRONT VIEW
SCALE 2:1



BLACK OVERMOULD
MOLEX LOGO ON ONE SIDE
BRAD LOGO ON OTHER SIDE



FRONT VIEW
SCALE 2:1



WIRING DIAGRAM



BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR
10	1	ORING RED	FPM	---
9	4	CONTACTS M12 MALE	BRASS	SELECTIVE GOLD
8	1	INSERT 4P FEMALE	PUR	BLACK
7	1	COUPLING NUT M12 FEMALE	BRASS	NICKEL
6	1	LABEL 50x69.8	VINYL	WHITE
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOLD	TPU	BLACK
3	1	SHIELD	BRASS	TIN
2	1	PLUG RJ45 TRANSPARENT	POLYCARBONATE	---
1	4 or 8	CONTACT RJ45 MALE	PHOSPHOR BRONZE	SELECTIVE GOLD

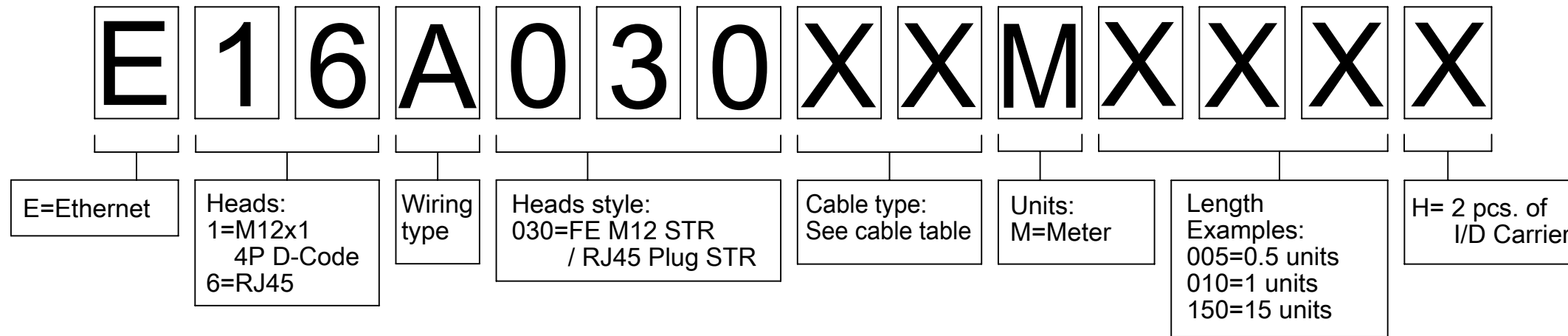
NOTES:

- ELECTRICAL DATA:
MAX. VOLTAGE RATING 60 VDC
MAX. CURRENT PER CONTACT 1.5 A
- ENVIRONMENTAL:
OPERATING TEMPERATURE SEE SHEET 2
INDEX OF PROTECTION RJ45: IP20
INDEX OF PROTECTION M12: IP67
- FOR MORE INFORMATION SEE PRODUCT SPECIFICATION 1201080202 PS P00

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE AND STDS UPDATED			molex CSE M12 RJ45 4P DC FE STR MA STR XM						
	mm		1:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 672185 DRWN: SSM 2021/06/23 CHK'D: RSILLER 2021/09/20 APPR: RSILLER 2021/09/20											
	ANGULAR TOL ± 1.0 °													
	4 PLACES ±													
	3 PLACES ±													
	2 PLACES ± 0.05		PRODUCT CUSTOMER DRAWING											
	1 PLACE ± 0.3													
	0 PLACES ± 0.5													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														
DIVISIONAL SYMBOLS	THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
			A3-SIZE		120108		1201080264		PSD		000		B	

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request)

OPTIONS



CABLE INFORMATION (for more information see Cable Data Sheet).

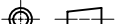
CABLE TYPE	CABLE O.D.	APPLICATION	CROSS SECTION	CABLE JACKET	UL	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	CYCLES	ADDITIONAL INFORMATION
11	6.8mm	PROFINET TYPE C	22AWG	PUR GREEN	STYLE 20549	-40°C to +80°C / min.5xO.D.	-20°C to +70°C / min.7.5xO.D.	up to 5 Mio	-
12	6.7mm	PROFINET TYPE C	22AWG	TPU BASED GREEN	STYLE 21215	-40°C to +80°C / min.5xO.D.	-25°C to +80°C / min.15xO.D.	about 2M, min.15xO.D., -5°C to +60°C	WSOR
16	6.5mm	-	24AWG	TPU BASED TEAL	STYLE 21215	-40°C to +80°C / min.6xO.D.	-20°C to +50°C	1M, min.10xO.D. / 2M min.20xO.D. @20°C	WSOR

PART LIST

No.	MOLEX P/N	ENGINEERING NO.	L (CABLE LENGTH)
1	1201080264	E16A03011M010	1m
2	1201080265	E16A03011M020	2m
3	1201080266	E16A03011M050	5m
4	1201088741	E16A03011M900	90m
5	1201088261	E16A03011M300	30m
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
19			
20			
21			
22			
23			
24			
25			

CABLE LENGTH TOLERANCES

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

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE AND STD5 UPDATED			molex CSE M12 RJ45 4P DC FE STR MA STR XM									
	mm		1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	ANGULAR TOL ± 1.0°																
	4 PLACES		±														
	3 PLACES		±		PRODUCT CUSTOMER DRAWING												
	2 PLACES		± 0.05		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION						
	1 PLACE		± 0.3		1201080264		PSD		000		B						
	0 PLACES		± 0.5		INITIAL REVISION:												
DIVISIONAL SYMBOLS	DRWN: SSM				2021/06/23												
	CHK'D: RSILLER				2021/09/20												
	APPR: RSILLER				2021/09/20												
		DRWN: JMARSZALEK				2016/02/25											
		APPR: RSILLER				2020/05/12											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								A3-SIZE		120108		SEE SHEET 2		GENERAL MARKET		2 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/20	12:58:28
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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

1201080261