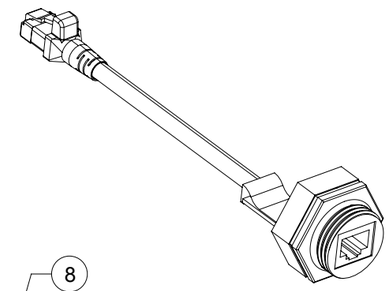
MATERIAL NO.	ENGINEERING NO.	LENGTH
1300550002	ENSP1F5C305	30.5 CM (1.0 FT)
1300550003	ENSP1F5C305-V	30.5 CM (1.0 FT)
1300550004	ENSP1F5M006	0.6 M (1.97 FT)
1300550005	ENSP1F5M010	1.0 M (3.28 FT)
1300558010	ENSP1F5C110	11.0 CM (.35 FT)

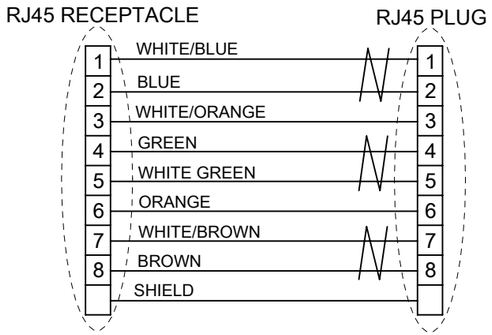
ENSP1F5C305-V

LENGTH — UV OPTION

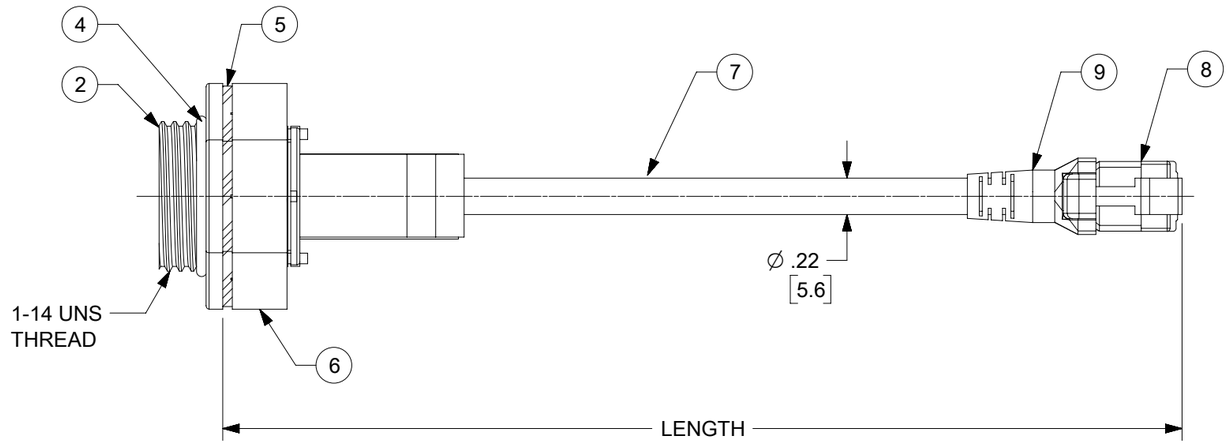
M001 = .1 METERS
M010 = 1.0 METERS
M100 = 10 METERS

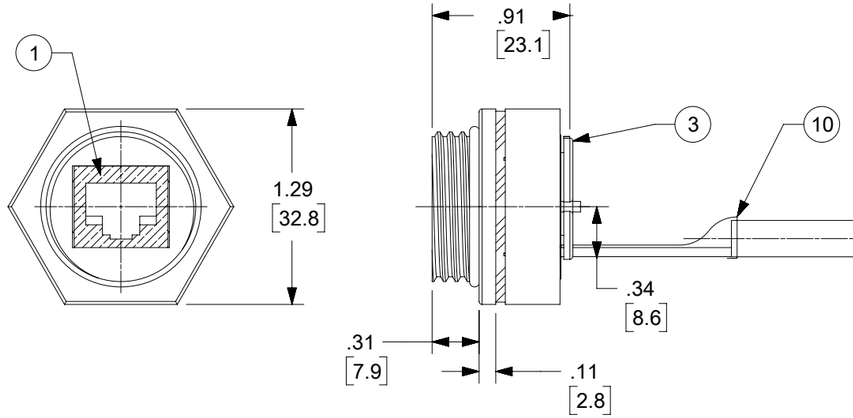
PART NUMBER MATRIX





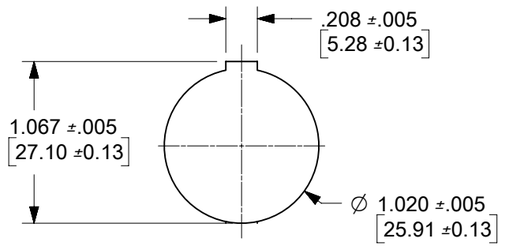
WIRING DIAGRAM
TOP VIEW OF PCB





NOTES:
1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. ELECTRICAL RATING:
   MAX VOLTAGE: 125V DC
   MAX CURRENT: 1.5A
4. TEMP RANGE: -20°C TO 75°C
5. PROTECTION: RJ-LYNX CONNECTOR ASSY: IP67 (WHEN MATED)
   RJ45 PLUG: IP 20 (WHEN MATED)
6. PACKAGING:
   ASSEMBLIES ARE BAGGED SPERATELY
   IN POLY BAGS WITH BAR CODE LABEL ATTACHED
   TO OUTSIDE OF BAG.
7. DIMENSIONS SHOWN ARE FOR REFERENCE UNLESS
   NOTED OR TOLERANCED OTHERWISE

ITEM	DESCRIPTION	MATERIAL	FINISH	MAT/FINISH (UV OPT)
10	HEAT SHRINK	POLYOLEFIN	BLACK	
9	RJ45 BOOT (HOODED)	PVC	BLACK	
8	RJ45 PLUG 8 POS, SHIELDED	Cu/PC	NI PLATED	
7	CABLE 4T/P 26AWG 5E, SHLD	PVC	BLACK	
6	HEX NUT	ABS	BLACK	
5	BULKHEAD GASKET	NITRILE	BLACK	
4	O RING	VITON	BROWN	VITON/BLACK
3	REAR COVER	ABS	BLACK	ASA/BLACK
2	RJ- LYNX HOUSING	ABS	BLACK	ASA/BLACK
1	RJ45 RECEPTACLE W/PCB SUB ASSY.	-	-	



SUGGESTED PANEL CUT OUT
PANEL THICKNESS:
.062 MIN.
.125 MAX. WITH GASKET
.187 MAX. WITHOUT GASKET

CABLE LENGTH TOLERANCES
>.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

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

DIMENSION UNITS: INCH/MM | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#516874

EC NO: 835282
DRWN: SANATK1 2025/08/19
CHK'D: GGA 2025/10/03
APPR: GGA 2025/10/03

INITIAL REVISION:
DRWN: BRUPERT 2009/04/22
APPR: JFMURPHY 2009/04/22

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 130055

molex

ENET FR/MP PASS
10T SHD

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130055-002	PSD	001	F1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N MATRIX	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2025/10/03 08:15:25

FORMAT: Eng-lega-master-tb-prod-B
REVISION: E1
DATE: 2021/05/01