

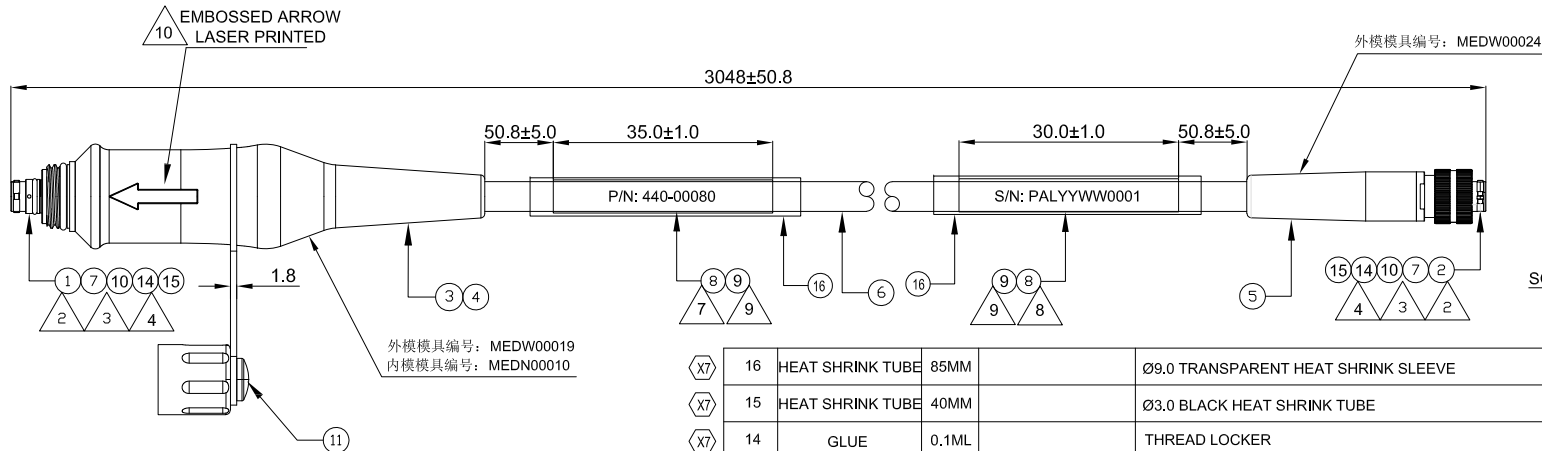
LABEL TABLE	
CONN	LABEL INFO
P1	P/N: 440-00080
P2	S/N: PALYYWW0001

REVISION	INITIALS	REASON	ECN. NO.	DATE
A	LGH	NEW RELEASE		2024/09/25

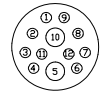
P 1



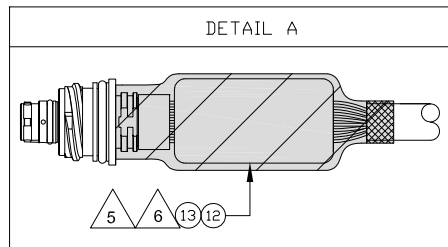
SOLDER CUP VIEW



P 2



SOLDER CUP VIEW



ELECTRICAL PROPERTIES:

- 100% OPEN, SHORT & MIS-WIRE TEST
- ASSEMBLY TO BE TESTED AND MEET USB3.1 5GB

NOTES:

- SOLDER WITH Sn96.5/Ag03/Cu.5 SOLDER (LEAD FREE).
- APPLY SHRINK TUBE (ITEM 7) OVER EXPOSED DRAIN WIRE OF TX AND RX BUNDLES ON P1 & P2 CONNECTOR SIDE OF ASSEMBLY. THEN APPLY ADDITIONAL SHRINK TUBE OVER JUNCTION AREA OF DRAIN WIRE AND FOIL SHIELD.
- APPLY 0.75mL POTTING MATERIAL (ITEM 10) TO TERMINATION AREA OF P1 CONNECTOR. APPLY 0.55mL POTTING MATERIAL (ITEM 10) TO TERMINATION AREA OF P2 CONNECTOR.
- APPLY 0.05mL THREAD LOCKER (ITEM 14) TO THREADS ON SS BACKNUT OF P1 CONNECTOR AND SHIELDING NUT ON P2 CONNECTOR. TIGHTEN DOWN TO 1.5N.m TORQUE VALUE.
- STRIP BACK CABLE JACKET TO ALLOW FERRITE (ITEM 12) OVER INNER CONDUCTORS AS SHOWN IN DETAIL "A". FOLD CABLE SHIELD BACK TO MAKE CONTACT WITH FOIL (ITEM 13) WRAP.
- WRAP FOIL (ITEM 13) OVER FERRITE. ENSURE THE FOIL MAKES SUFFICIENT CONTACT WITH BASE OF P1 CONNECTOR HOUSING AND SHIELD OF CABLE. SEE DETAIL "A".
- APPLY PART NUMBER LABEL (ITEM 8) MARKER ACCORDING TO LABEL TABLE ABOVE.
- APPLY SERIAL NUMBER LABEL (ITEM 9) MARKER ACCORDING TO LABEL TABLE ABOVE. SERIAL NUMBER INDICATES MANUFACTURER, YEAR, WEEK AND INDIVIDUAL PART IDENTIFIER. EXAMPLE: PALYYWW0001
- SHRINK TUBE P/N: CB0010P00043 (ITEM 9) FOR RE-WORKS ONLY. THE LENGTH OF THE PART NUMBER LABEL WILL BE 45±1.0MM WHEN USING (ITEM 9). CUSTOMER MUST PROVIDE APPROVAL PRIOR TO BEING USED.
- ALIGNMENT ARROW TO BE EMBOSSED CURING MOLDING PROCESS, THEN LASER PRINTED.
- ASSEMBLY TO BE USB3.1 5GBPS COMPLIANCE.

ITEM	QTY	PART NO:	DESCRIPTION
X7 16	HEAT SHRINK TUBE	85MM	Ø9.0 TRANSPARENT HEAT SHRINK SLEEVE
X7 15	HEAT SHRINK TUBE	40MM	Ø3.0 BLACK HEAT SHRINK TUBE
X7 14	GLUE	0.1ML	THREAD LOCKER
13	COPPER FOIL	AR	COPPER FOIL W: 22.0MM
12	MAGNET RING	1 PC	SOLID FREE HANGING FERRITE CORE 294 OHM @ 100MHz
11	CAP	1 PC	IP68 SS-CAP
10	GLUE	1.3ML	LOCTITE P/N: EA E-30CL
9	LABEL	AR	Ø13.0 BLACK HEAT SHRINK TUBE
8	LABEL	AR	Ø9.0 BLACK HEAT SHRINK TUBE
7	HEAT SHRINK TUBE	AR	Ø1.0 BLACK HEAT SHRINK TUBE
6	CABLE	3.048M	(1P*26#+D+AL+ML)*2P+1P*28#+3C*28#+2C*22#+F+AL+D+B Estane# 58202 TPU(SHORE A 85±3) BLACK OD: 7.00±0.20MM
5	OUTER MOLDING	AR	P2, OVERMOLD STRAIN RELIEF, TPU, BLACK, 95A (OM-MED058002)
4	INNER MOLDING	AR	P1, INNER MOLD, PP 3825WZ (IM-A005ACTI-001)
3	OUTER MOLDING	AR	P1, OVERMOLD STRAIN RELIEF, TPU, BLACK, 95A (OM-A005ACTI-001)
2	CONNECTOR	1 PC	PLUG, THREAD LOCK, SER.G, 12PIN, A KEYING, SOLDER
1	CONNECTOR	1 PC	PLUG, BREAKAWAY LOCKING, SER.G, 12PIN, A KEYING, SOLDER

GENERAL TOLERANCE	ANGLE TOLERANCE	NAME(INTENDED USE)		PALCONN	
X. ±1.00 .X ±0.50 .XX ±0.20 .XXX ±0.15		CUSTOMER DRAWING			
MAJOR(QC CHECKED) ▼ = 0 places		CUSTOMER P/N:			
	UNIT mm	APPROVED: LGZ	DATE 2024/09/25	DESCRIPTION: 12PIN, TPU CABLE ASSEMBLY WITH FERRITE, USB3.1	
		CHECKED: LJJ	DATE 2024/09/25		PROJECT: BIX CAMERA CABLE ASSY, TPU + FERRITE
		DESIGN: LGH	DATE 2024/09/25		SIZE: A4
SHEET 1 OF 3		DRAWING NO: MED-MD-001-058		REV A	

REACH Compliant
RoHS Compliant

CONFIDENTIAL