

NOTE: CABLE IS CUT TO LENGTH SPECIFIED IN THE PART NUMBER.
LENGTH AFTER ASSEMBLY MAY DIFFER.

REVISIONS

REV	ECR	DESCRIPTION	DRAWN	DATE
1		ENGINEERING RELEASE	M. LARSEN	05/14/2025

CONTACT LTI FOR CUSTOM LENGTH AND TOLERANCE

CABLE LENGTH:
"-X" IN THE ENDING OF THE CABLE PART NUMBER IS
CALLING OUT THE LENGTH THE CABLE IS CUT.
EXAMPLES SHOWN BELOW:

I-PEX MHF 4L:
LTI P/N: CB1.13-IPX4L-SAMGT-4IN (4 INCHES)
CB1.17LL-IPX4L-SAMGT-100mm (100 MILLIMETERS)

I-PEX MHF 4L LOCKING:
LTI P/N: CB1.37-IPX4LLK-SAMGT-4IN (4 INCHES)
CB1.37-IPX4LLK-SAMGT-100mm (100 MILLIMETERS)

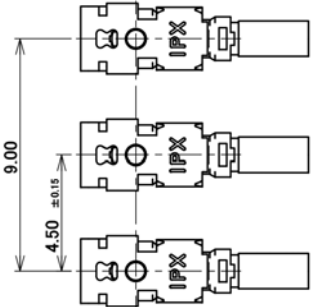
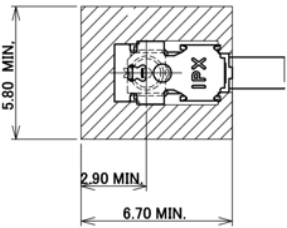
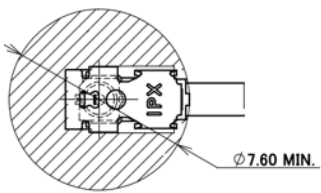
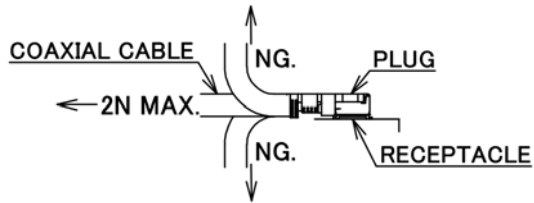
- NOTES:
1. OPERATING FREQUENCY: DC - 6GHz
 2. IMPEDANCE: 50Ω
 3. TEMPERATURE RANGE: -40 °C ~ +90 °C
 4. MAX HEIGHT: 1.4mm (1.13,1.17LL COAX), 2mm (MHF 4L LK)
 5. I-PEX CABLE CRIMP STRENGTH: 15N MIN
 6. I-PEX DURABILITY: 30 CYCLES

IPX® AND MHF® ARE REGISTERED TRADEMARKS OF I-PEX CO., LTD. CORPORATION

CABLE PART NUMBERING (MHF 4L):
CBX-IPX4L-SAMGT-X

CABLE PART NUMBERING (MHF 4L LOCKING):
CB1.37-IPX4LLK-SAMGT-X

(1): CABLE TYPE		(2): IPX4L (I-PEX MHF 4L)	(3): IPX4LLK (I-PEX MHF 4L LOCKING HARNESS)		(4): SMA PLUG	(5): HEAT SHRINK TUBE	CBL ASSY LENGTH
"1.13"	∅ 1.13mm, CABLE, BLACK	IPX4LLF11GPB-113 (20565-001R-13)			LTI P/N: SASM11GT-316 (SMA, PLUG, STRAIGHT, CABLE CRIMP)	∅ 3/32, .5" LENGTH, GREEN	TOLERANCE: 1-36IN ± 0.5 25-915mm ± 13
"1.17LL"	∅ 1.17mm, LOW-LOSS CABLE, GRAY	IPX4LLF11GPB-113 (20565-001R-13)				∅ 3/32, .5" LENGTH, GREEN	
			"1.37"	∅ 1.37mm, CABLE, CB1.37-2IPX4LLK-500MM, BLACK		∅ 3/32, .5" LENGTH, GREEN	



DO NOT SCALE DRAWING		
TOLERANCES UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN MILLIMETERS		
X = ±0.5		
X.X = ±0.25		
X.XX = ±0.13		
ANGLE = ±30°		
THIRD ANGLE PROJECTION		
CUSTOMER APPROVAL		
SIGN / DATE:		
ENG APPR.		
CHECKED		
DRAWN	M. LARSEN	05/14/25
	NAME	DATE



Lighthouse Technologies

San Diego, CA
WWW.RFCONNECTOR.COM

TITLE:
CABLE ASSEMBLY,
IPX4L (MHF 4L), TO SMA PLUG,
CABLE CRIMP

SIZE	PART/DWG. NO:	REV
B	CBX-IPX4L-SAMGT-X	1
SCALE: 2:1		FILE NAME
		SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL
UNLESS OTHERWISE SPECIFIED: THIS DOCUMENT CONTAINS LIGHTHORSE TECHNOLOGIES INFORMATION.
REPRODUCTION, USE, DISCLOSURE OR TRANSMITTAL OF ALL OR ANY PART OF THIS DOCUMENT IS PROHIBITED
EXCEPT TO THE EXTENT APPROVED IN WRITING BY AN AUTHORIZED REPRESENTATIVE OF LIGHTHORSE
TECHNOLOGIES. LIGHTHORSE TECHNOLOGIES RESERVES ALL RIGHTS UNDER PATENTS, TRADEMARKS,
COPY RIGHTS AND TRADE SECRETS. COPY RIGHTS OF LIGHTHORSE TECHNOLOGIES 2011, ALL RIGHTS RESERVED.

