

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



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-SAF3GT-4IN (4 INCHES)
CB1.17LL-IPX4L-SAF3GT-100mm (100 MILLIMETERS)

I-PEX MHF 4L LOCKING:
LTI P/N: CB1.37-IPX4LLK-SAF3GT-4IN (4 INCHES)
CB1.37-IPX4LLK-SAF3GT-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
7. ORIENTATION OF CONNECTORS: 0° ± 45°

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

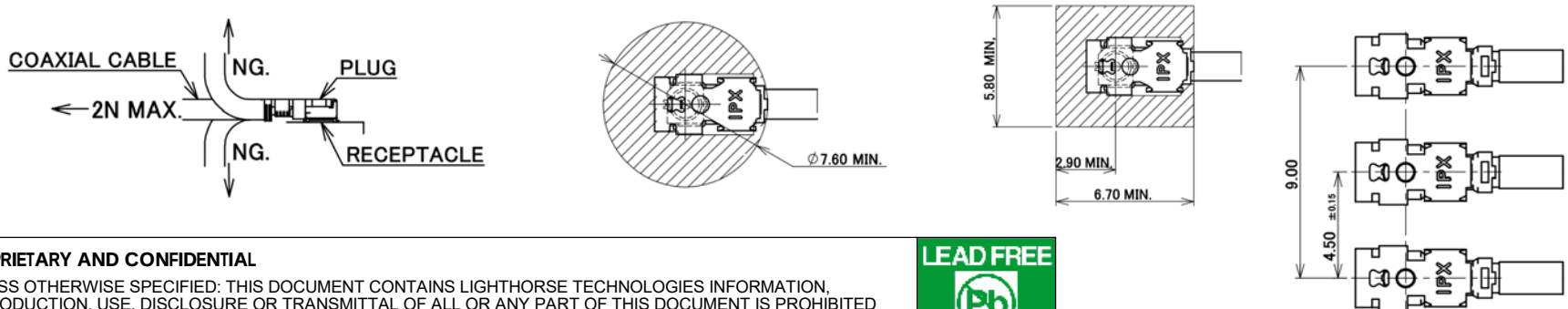
CABLE PART NUMBERING (MHF 4L):

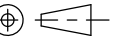
CBX-IPX4L-SAF3GT-X

CABLE PART NUMBERING (MHF 4L LOCKING):

CB1.37-IPX4LLK-SAF3GT-X

(1): CABLE TYPE		(2): IPX4L (I-PEX MHF 4L)	(3): IPX4LLK (I-PEX MHF 4L LOCKING HARNESS)		(4): SMA JACK	(5): HEAT SHRINK TUBE	CBL ASSY LENGTH
"1.13"	Ø 1.13mm, CABLE, BLACK	IPX4LLF11GPB-113 (20565-001R-13)			LTI P/N: SASF13RGT-316 (SMA, JACK, STRAIGHT, BLKHD, CRIMP)	Ø 3/32, .5" LENGTH, GREEN	TOLERANCE: 1-36IN ± 0.5 25-915mm ± 13
"1.17LL"	Ø 1.17mm, LOW-LOSS CABLE, GRAY	IPX4LLF11GPB-113 (20565-001R-13)				Ø 3/32, .5" LENGTH, GREEN	
			"1.37"	Ø 1.37mm, CABLE, CB1.37-2IPX4LLK-500MM, BLACK		Ø 3/32, .5" LENGTH, GREEN	



DO NOT SCALE DRAWING			 Lighthorse Technologies San Diego, CA WWW.RFCONNECTOR.COM		
TOLERANCES UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN MILLIMETERS			TITLE: CABLE ASSEMBLY, IPX4L (MHF 4L), TO SMA JACK, BULKHEAD MOUNT, CABLE CRIMP		
X = ± 0.5 X.X = ± 0.25 X.XX = ± 0.13 ANGLE = $\pm 30^\circ$		 THIRD ANGLE PROJECTION			
CUSTOMER APPROVAL					
SIGN / DATE:					
ENG APPR.			SIZE	PART/DWG. NO:	REV
CHECKED			B	CBX-IPX4L-SAF3GT-X	1
DRAWN	M. LARSEN	05/14/25			
	NAME	DATE	SCALE: 2:1		FILE NAME
			SHEET 1 OF 1		

PROPRIETARY AND CONFIDENTIAL

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