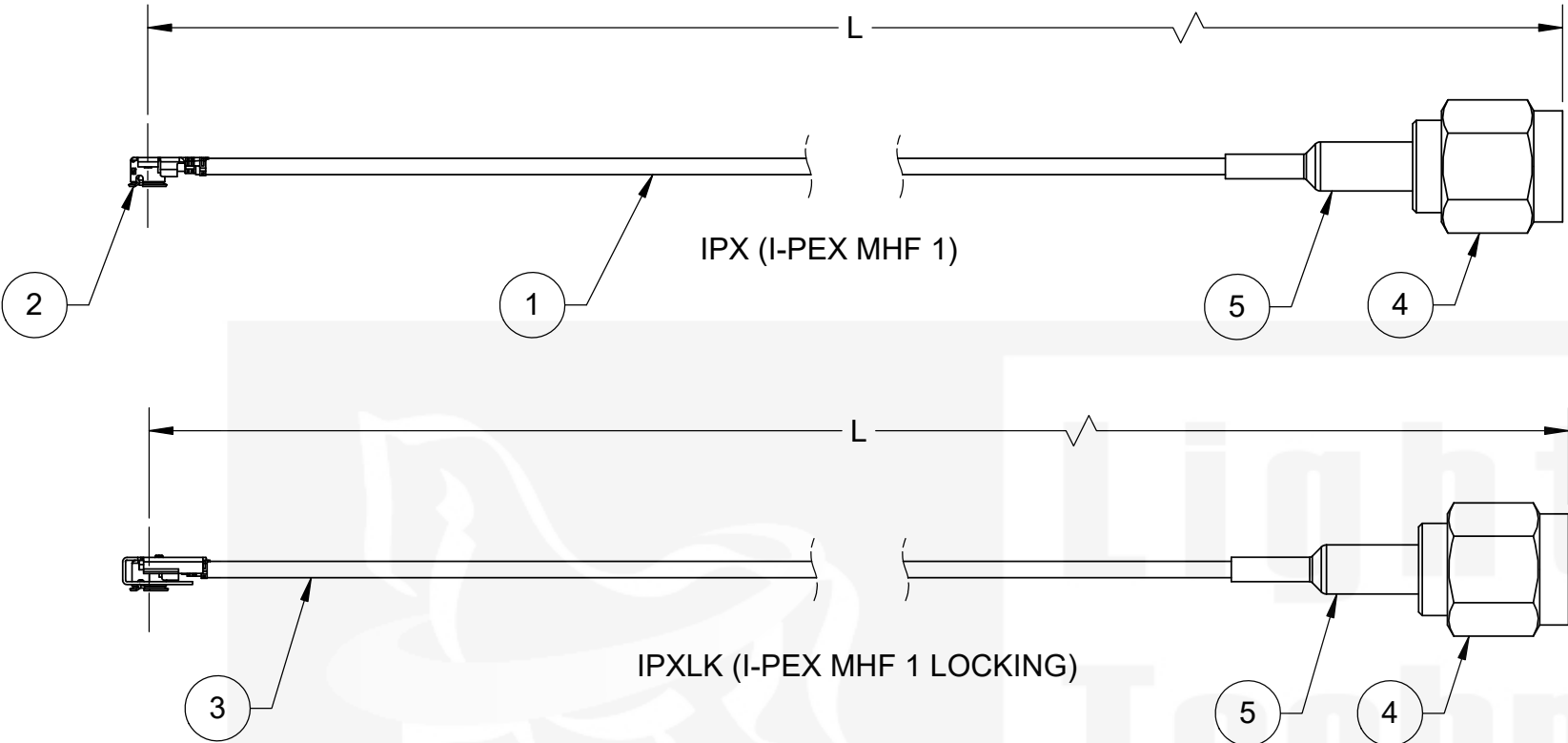


NOTE: CABLE IS CUT TO LENGTH SPECIFIED IN THE PART NUMBER.
LENGTH AFTER ASSEMBLY MAY DIFFER.



CABLE PART NUMBERING (MHF 1):
CBX-IPX-SAMGT-X

CABLE PART NUMBERING (MHF 1 LOCKING):
CBX-IPXLK-SAMGT-X

REVISIONS

| REV | ECR | DESCRIPTION | DRAWN | DATE |
|-----|-----|---------------------|-----------|------------|
| 1 | | ENGINEERING RELEASE | M. LARSEN | 04/21/2025 |

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:

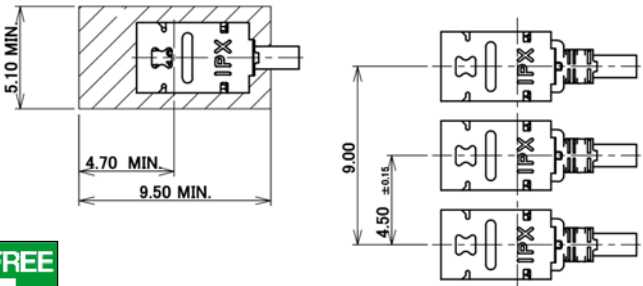
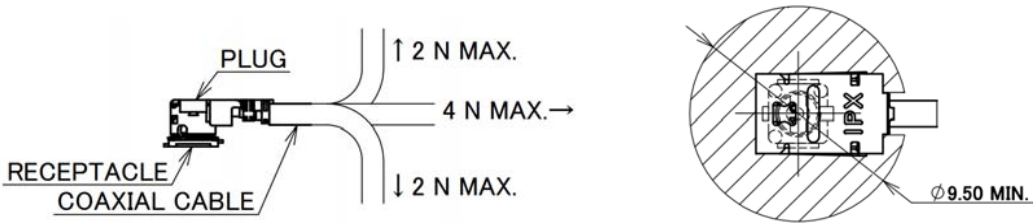
I-PEX MHF 1:
LTI P/N: CB1.13-IPX-SAMGT-4IN (4 INCHES)
CBG-IPX-SAMGT-100mm (100 MILLIMETERS)

I-PEX MHF 1 LOCKING:
LTI P/N: CB1.13-IPXLK-SAMGT-4IN (4 INCHES)
CBG-IPXLK-SAMGT-100mm (100 MILLIMETERS)

- NOTES:
- 1. OPERATING FREQUENCY: DC - 6GHz
 - 2. IMPEDANCE: 50Ω
 - 3. TEMPERATURE RANGE: -40 °C ~ +90 °C
 - 4. MAX HEIGHT: 2.5mm (MHF 1), 2.9mm (MHF 1 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

| (1): CABLE TYPE | | (2): IPX (I-PEX MHF 1) | (3): IPXLK (I-PEX MHF 1 LOCKING HARNESS) | (4): SMA PLUG | (5): HEAT SHRINK TUBE | CBL ASSY LENGTH |
|-----------------|--------------------------------------|--------------------------------|--|--|---------------------------|---|
| "1.13" | Ø 1.13mm, CABLE, BLACK | IPXLF11GPB-113 (20278-112R-13) | "1.13" Ø 1.13mm, CABLE, CB1.13-2IPXLK-500MM, BLACK | LTI P/N: SASM11GT-316 (SMA, PLUG, STRAIGHT, CABLE CRIMP) | Ø 3/32, .5" LENGTH, GREEN | TOLERANCE: 1-36IN ± 0.5 25-915mm ± 13 |
| "1.17LL" | Ø 1.17mm, LOW-LOSS CABLE, GRAY | IPXLF11GPB-113 (20278-112R-13) | | | Ø 3/32, .5" LENGTH, GREEN | |
| "1.32D" | Ø 1.32mm, DOUBLE-SHIELD CABLE, GREEN | IPXLF11GPB-132 (20278-112R-32) | | | Ø 3/32, .5" LENGTH, GREEN | |
| "1.37" | Ø 1.37mm, CABLE, BLUE | IPXLF11GPB-137 (20351-112R-37) | "1.37" Ø 1.37mm, CABLE, CB1.37-2IPXLK-500MM, BLACK | | Ø 3/32, .5" LENGTH, GREEN | |
| "G" | RG-178, CABLE, COPPER | IPXLF11GPB-178 (20278-112R-18) | "G" RG-178, CABLE, CBG-2IPXLK-500MM, BROWN | | Ø 1/8, .75" 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



Lighthouse Technologies

San Diego, CA
WWW.RFCONNECTOR.COM

TITLE:
CABLE ASSEMBLY,
IPX (MHF 1), TO SMA PLUG,
CABLE CRIMP

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| CUSTOMER APPROVAL | | |
|-------------------|-----------|------------|
| SIGN / DATE: | | |
| ENG APPR. | | |
| CHECKED | | |
| DRAWN | M. LARSEN | 04/21/2025 |
| | NAME | DATE |

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