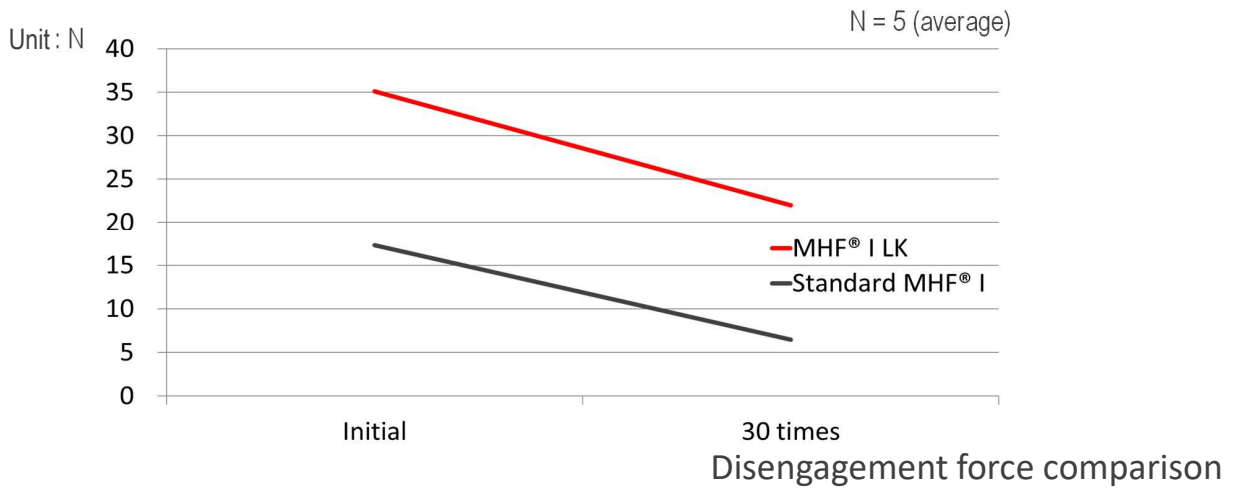




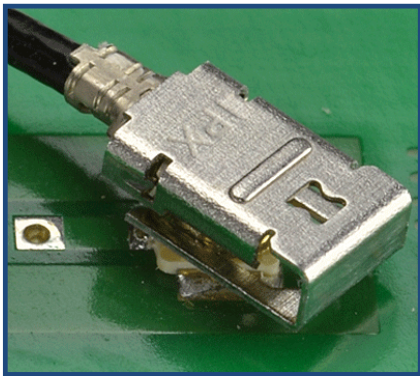
- ✓ Ideal for continuous shock and vibration.
- ✓ Patented locking system for MHF® I plug.
- ✓ Mates with all MHF® I receptacles.

Maximum height (mm)	2.9		
Outside dimension of receptacle(mm)	3.0 x 3.0		
Applicable wire gauge	O.D. 1.80 / 1.37 mm / AWG 30 O.D. 1.32 / 1.13 mm / AWG 32 O.D. 0.81 mm / AWG 36		
Frequency	DC~9 GHz		
Connector	PLUG	RECE	
VSWR (L=100 mm)	DC~3 GHz	1.3 max.	1.3 max.
	3 GHz~6 GHz	1.5 max.	1.4 max.
	6 GHz~9 GHz	1.9 max.	1.8 max.
Service temp. (Celsius)	-40 degree ~ +90 degree		
Characteristic impedance	50 ohm		
Rated voltage	AC60V		
Contact resistance	20m ohm max.		
Withstand voltage	AC200V/min		
Insulation resistance	500M ohm min./DC100V		

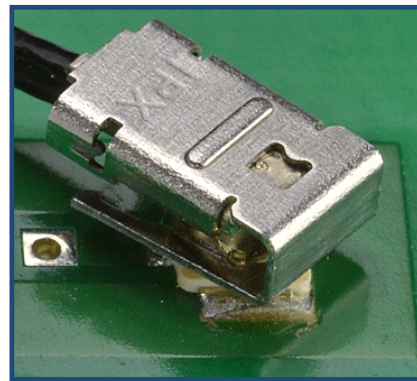
## Ideal for Continuous Shock and Vibration



## Patented Locking System for MHF® I Plug






Before Locking



After Locking

## Mates with all MHF® I Receptacles

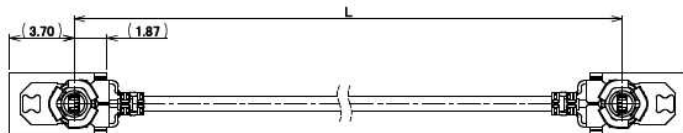
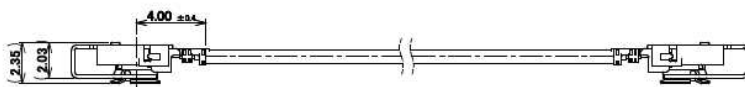
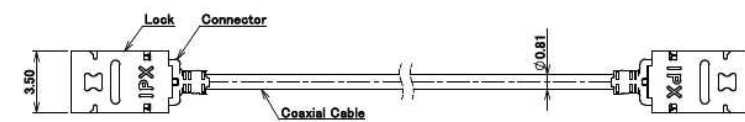
Product name	MHF I LK	MHF I	MHF I
Feature	 MHF I with Mechanical Lock	 Best Insertion Loss	 Most Cable O.D. options
Plug part number	-	20767-001R	20670-001R-**
Receptacle part number	20279-001E-** (3 pads) 20441-001E-01 (4 pads)		

# MHF<sup>®</sup> I LK

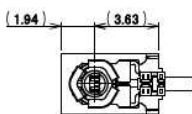
## Component Parts Detail

MHF<sup>®</sup> I LK

**ケーブル :  $\phi 0.81\text{mm}$**

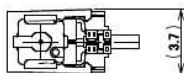


Unlocked condition



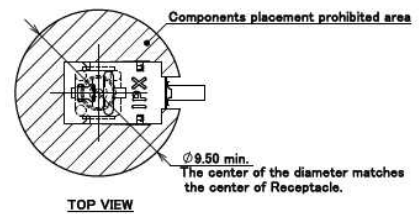
Locked condition

• Don't be mating with the receptacle when this condition.



Locked condition after mating with receptacle  
• The dimensions of lock bottom width when mating with receptacle and locked.

BOTTOM VIEW



TOP VIEW

### NOTES

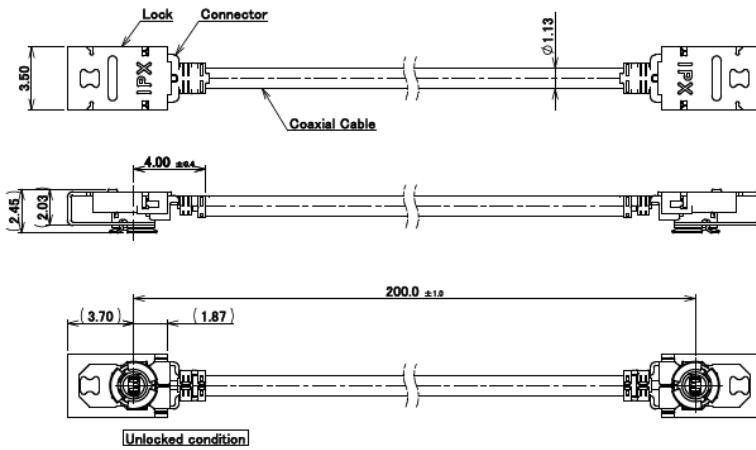
1. Constructions
  - (1) Connector : MHF I Plug, NI-TOP
  - (2) Coaxial cable : AWG#38  $\phi 0.81$
  - (3) Lock part
2. Orientation of connector :  $0^\circ \pm 45^\circ$
3. Packing : Bag
4. This product is RoHS compliant.
5. Cable crimp strength : 10N MIN.
6. Permissible load of cable at mating.



7. To handle lock parts  
You must read and follow the instruction manual below.  
I-PEX instruction manual No. HIM-17020

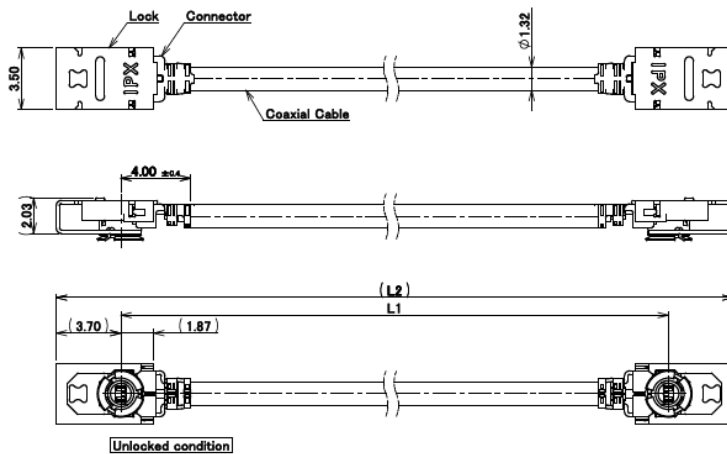
Rev.0

ケーブル : φ1.13mm



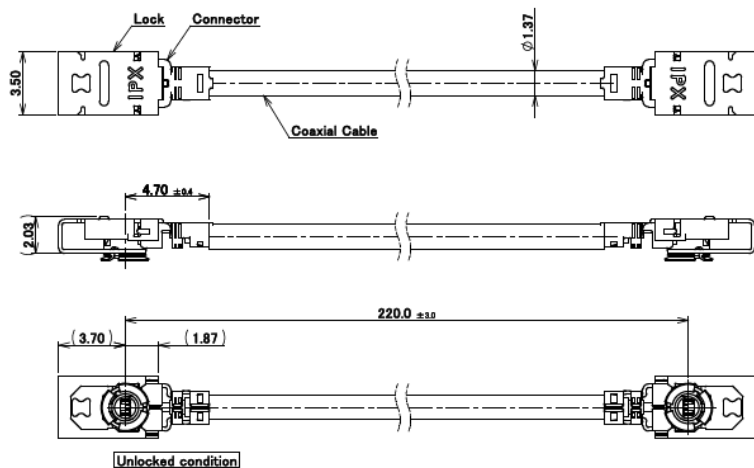
Rev.0

ケーブル : φ1.32mm



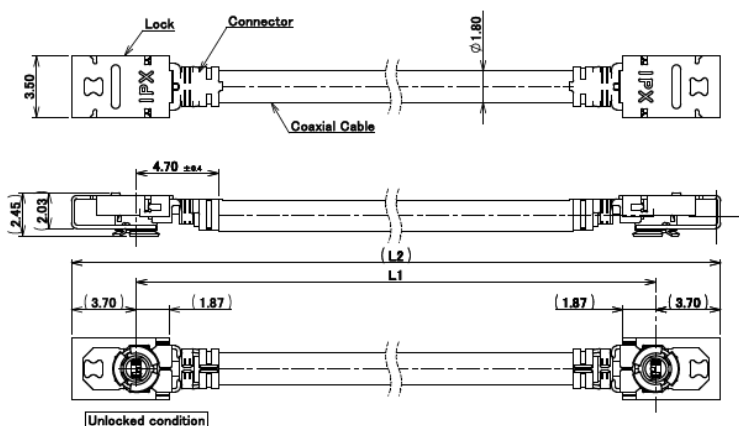
Rev.0

**ケーブル :  $\phi 1.37\text{mm}$**



Rev.0

**ケーブル :  $\phi 1.80\text{mm}$**



Rev.0



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