MHF® 4L LK

锁扣设计，适用于所有 MHF 4/4L 类型的母座，组合高度 2.0 mm max.

Product Specifications:

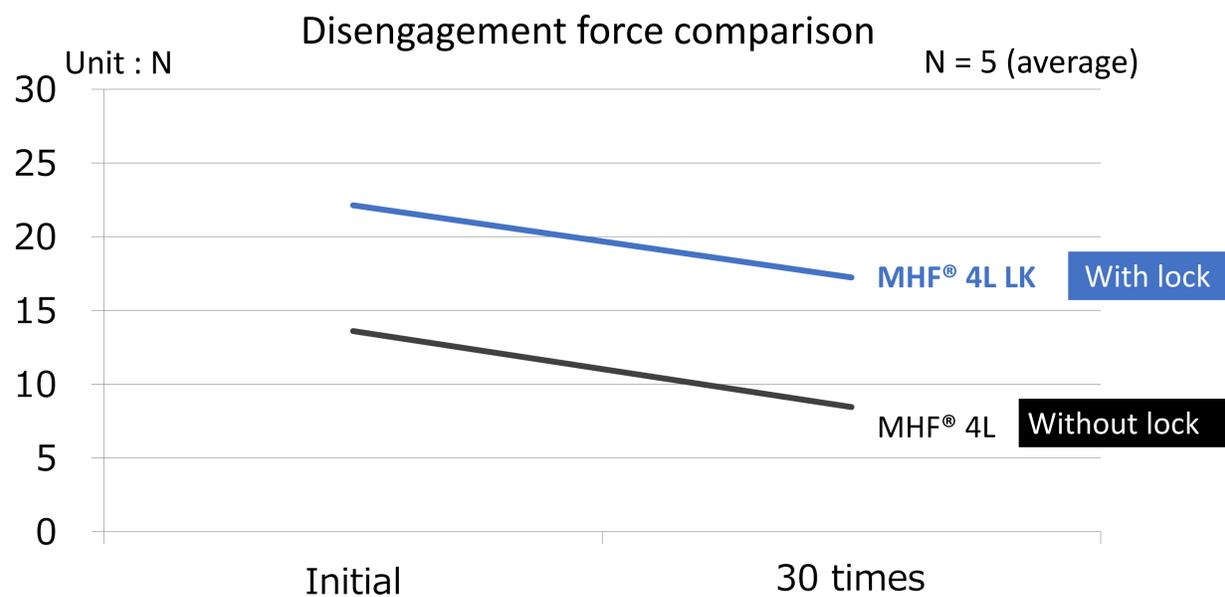|		
Mated Height (mm max.)		2.0
Rece. SMT Size (mm)		2.0 x 2.0
Applicable Frequency		DC ~ 12 GHz
Characteristic Impedance		50 ohm
VSWR (L=100 mm)	DC～3 GHz	1.3 max.
	3～6 GHz	1.4 max.
	6～9 GHz	1.5 max.
	9～12 GHz	1.6 max

*如您需要了解未列出或不在范围内的Pin数，请咨询我们。

Applicable Cable Size:

1.37 mm / AWG 30
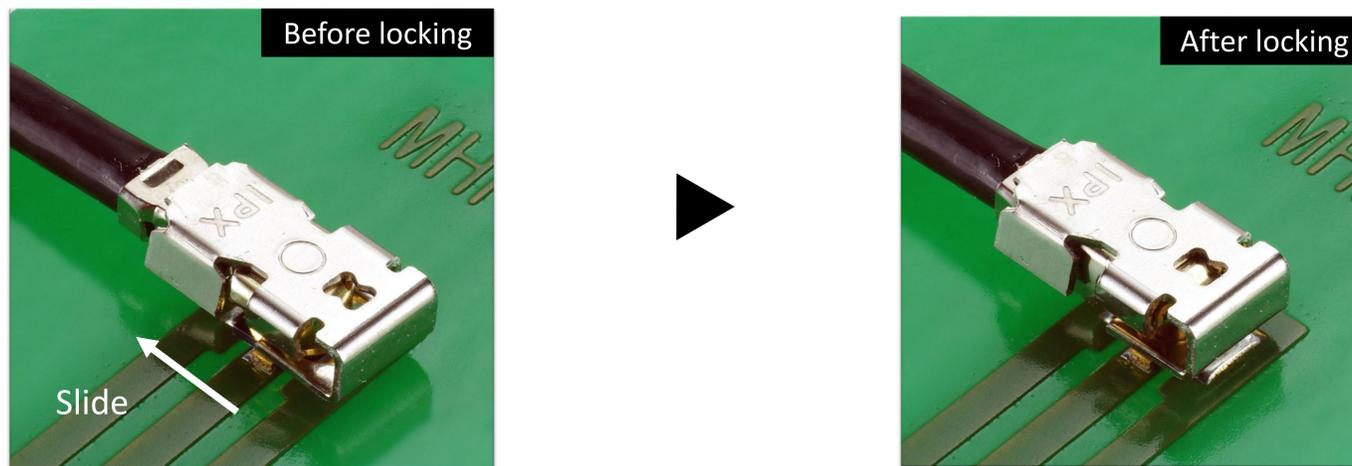
Applicable Standards (Reference Only):

5G sub-6, Wi-Fi 6E, LTE/LTE-Advanced, LPWA, Bluetooth, GPS

▶ 连续冲击和震动的理想解决方案

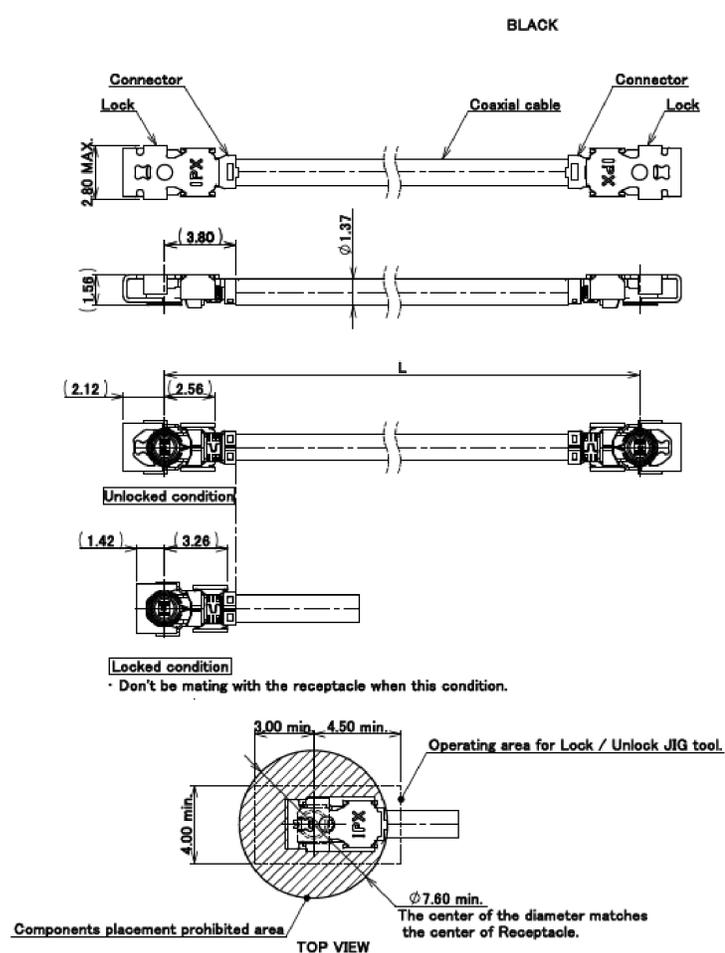Disengagement force comparison

Unit : N   N = 5 (average)

MHF® 4L LK — With lock
MHF® 4L — Without lock

Initial — 30 times

▶ MHF® 4L 公座自带锁扣结构

Before locking — Slide

After locking

▶ 可匹配所有 MHF® 4 / 4L母座

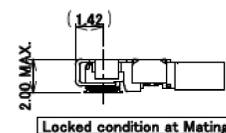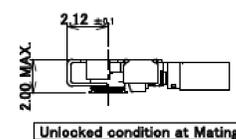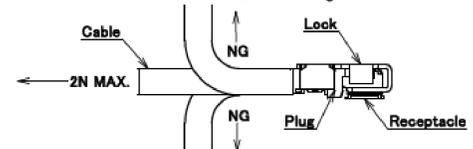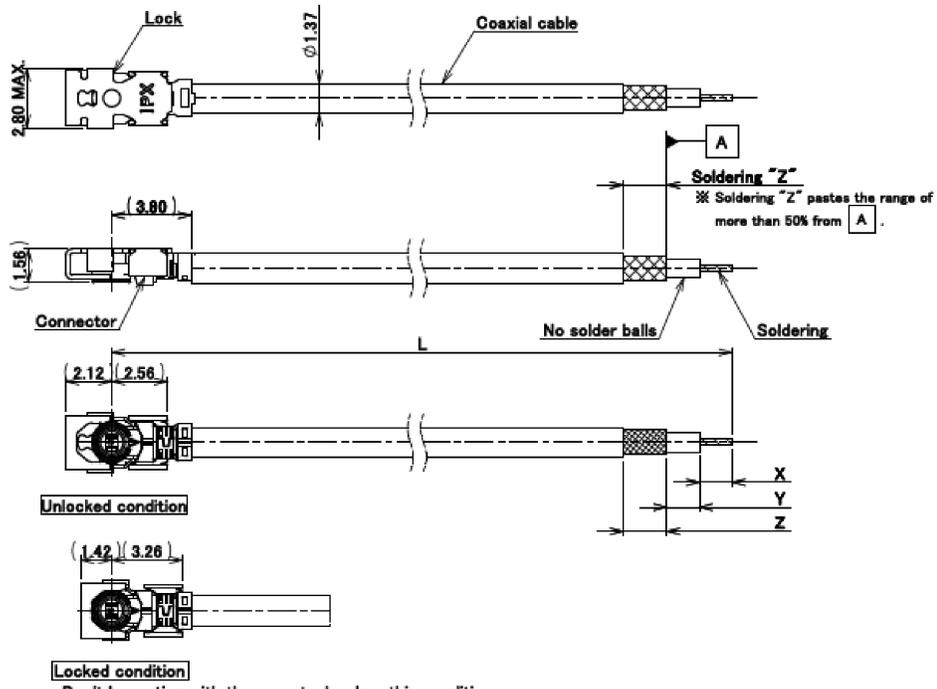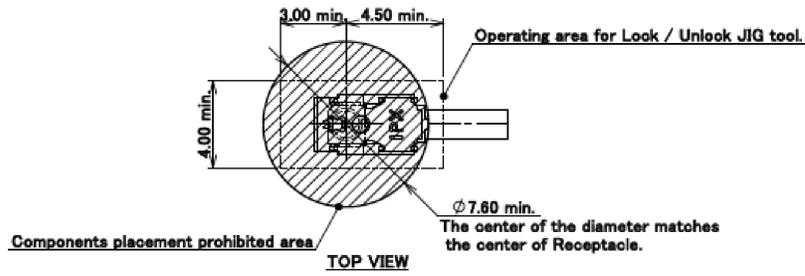| Product name	MHF® 4L LK	MHF® 4L		
Lock	Yes	No	No	No
Mating Height	2.0 mm max.	1.7 mm max.	1.4 mm max.	1.2 mm max.
Coax O.D. (Center Conductor AWG) — 1.37 mm (AWG#30)	●	●		
1.13 mm (AWG#32)			●	
0.95 mm (AWG#33)			●	
0.81 mm (AWG#36)				●
0.64 mm (AWG#36)				●
Receptacle	MHF 4 receptacle (20449-001E-**) , MHF 4L receptacle (20579-001E)			

Component Parts Details

MHF® 4L LK

BLACK

NOTES
1. Constructions
   (1) Connector : MHF4L Plug
   (2) Coaxial cable : AWG#30 Φ1.37
2. Orientation of connector : 0° ±45°
3. Packing : Bag
4. This product is RoHS compliant.
5. Cable crimp strength : 15N MIN.
6. Permissible load of cable at mating.

Connector
Lock
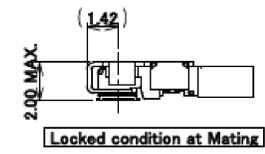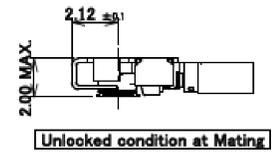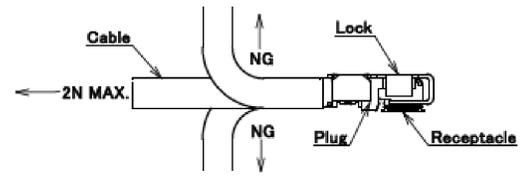Connector
Lock
2.80 MAX.
Coaxial cable

(3.80)
Φ1.37
(1.58)

(2.12)
(2.56)
L
Unlocked condition

(1.42)
(3.26)
Locked condition
· Don't be mating with the receptacle when this condition.

3.00 min. 4.50 min.
Operating area for Lock / Unlock JIG tool.
4.00 min.
Φ7.60 min.
The center of the diameter matches
the center of Receptacle.
Components placement prohibited area
TOP VIEW

Cable
2N MAX.
NG
NG
Lock
Plug
Receptacle

2.12 ≤1
2.00 MAX.
Unlocked condition at Mating

(1.42)
2.00 MAX.
Locked condition at Mating

Rev.0

MHF® 4L LK

Lock
Coaxial cable
Ø1.37
2.80 MAX.
IPX

Soldering "Z"
※ Soldering "Z" pastes the range of more than 50% from [A].

(3.80)
(1.56)
Connector
No solder balls
Soldering

2.12 | 2.56
L
Unlocked condition
X
Y
Z

(1.42) | 3.26
Locked condition
· Don't be mating with the receptacle when this condition.

3.00 min. | 4.50 min.
Operating area for Lock / Unlock JIG tool.
4.00 min.
Ø7.60 min.
The center of the diameter matches the center of Receptacle.
Components placement prohibited area
TOP VIEW

Cable
NG
Lock
2N MAX.
NG
Plug
Receptacle

2.12 ±0.1
2.00 MAX.
Unlocked condition at Mating

(1.42)
2.00 MAX.
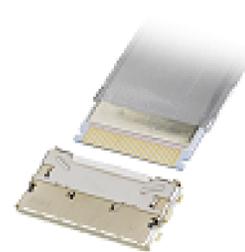Locked condition at Mating

Rev.0

Board to Board

High-Density

Autolocking FPC/FFC

High-Density

FPC/FFC

Micro-Coaxial / Discrete Cable

High-Speed

RF

High-Frequency

Optical Module

High-Speed

Power

High-Power

Custom Connectors Available

I/O (Input/Output)

Quick charge

Effector

Inquiry

Contact your sales representative or more detailed information.
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