

# MHF® 4L LK

Locking solution that works with MHF 4/4L receptacles, the M.2 industry standard, mated height of 2.0 mm max., excellent electrical performance up to 12 GHz

**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.

**Applicable Cable Size:**

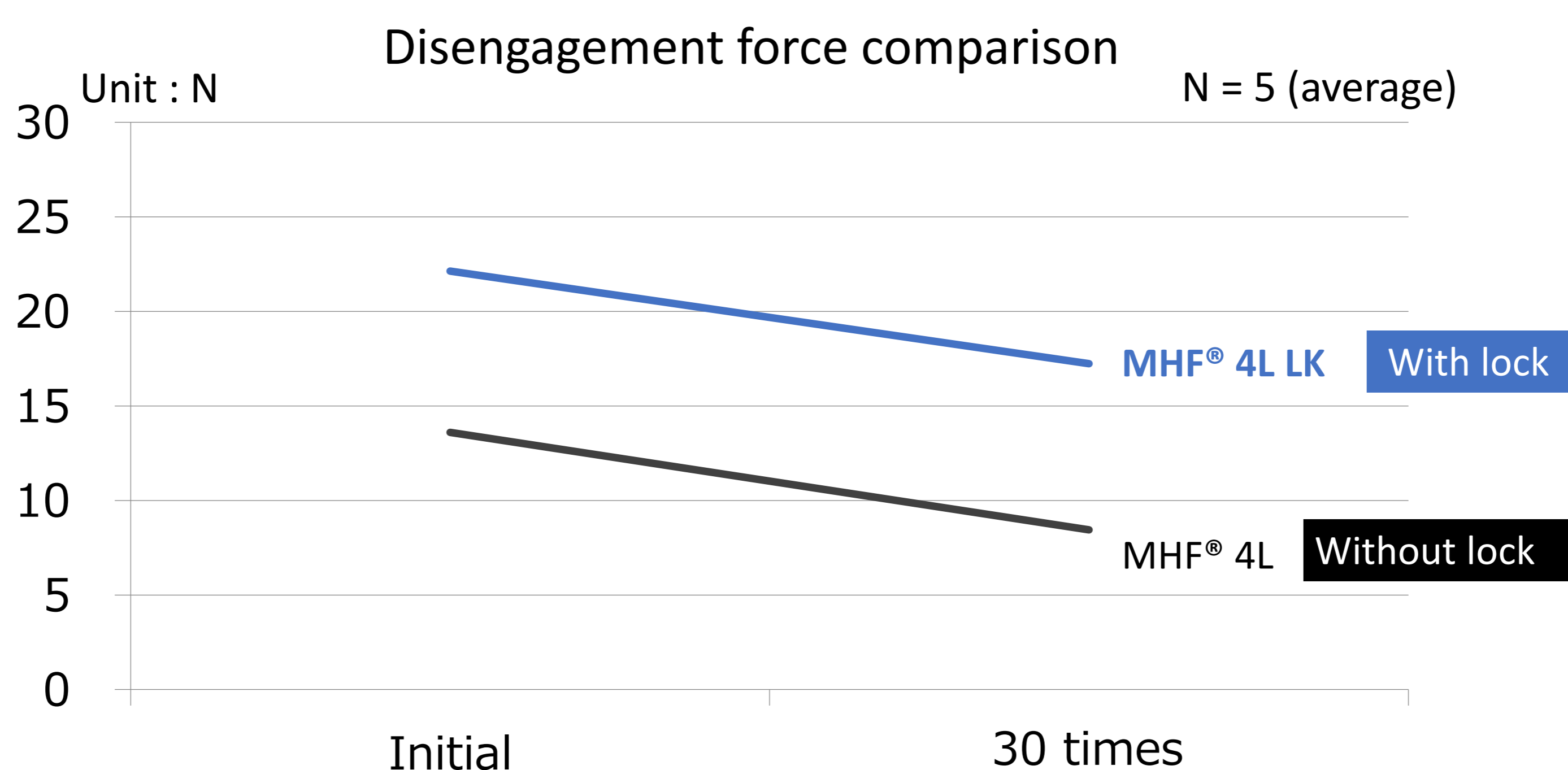
1.37 mm / AWG 30
------------------

**Applicable Standards (Reference Only):**

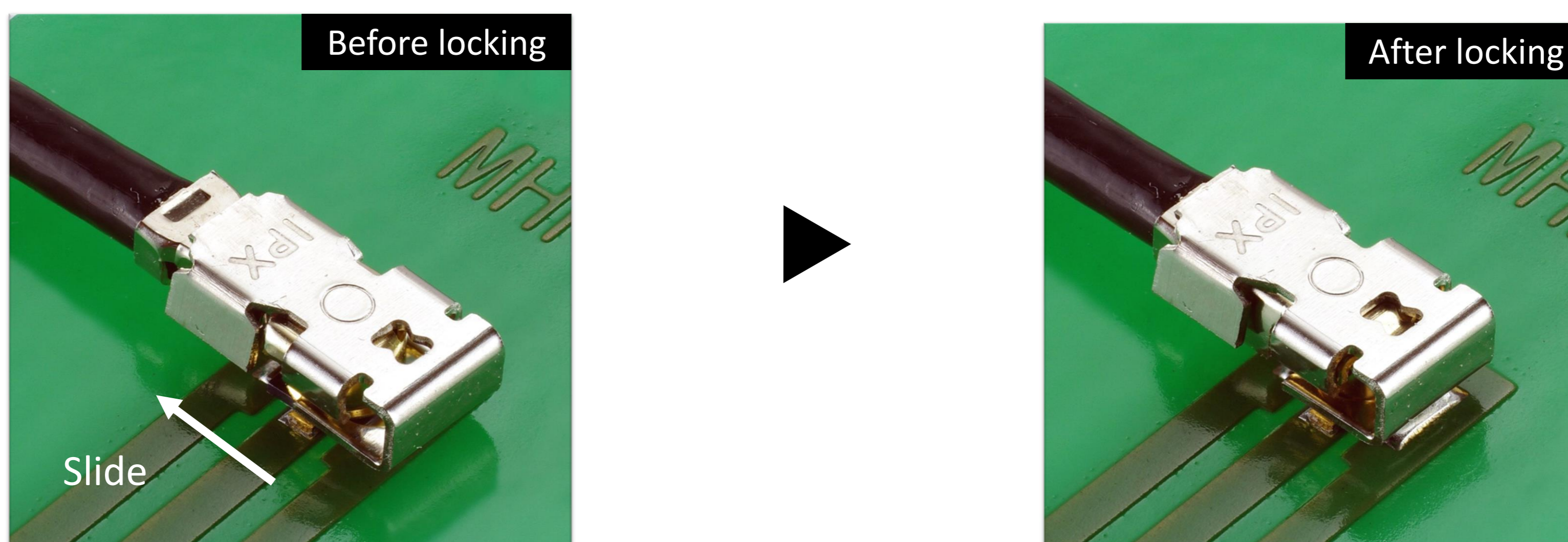
5G sub-6, Wi-Fi 6E, LTE/LTE-Advanced, LPWA, Bluetooth, GPS



► Ideal for continuous shock and vibration applications



► Patented locking system for MHF® 4L Plug

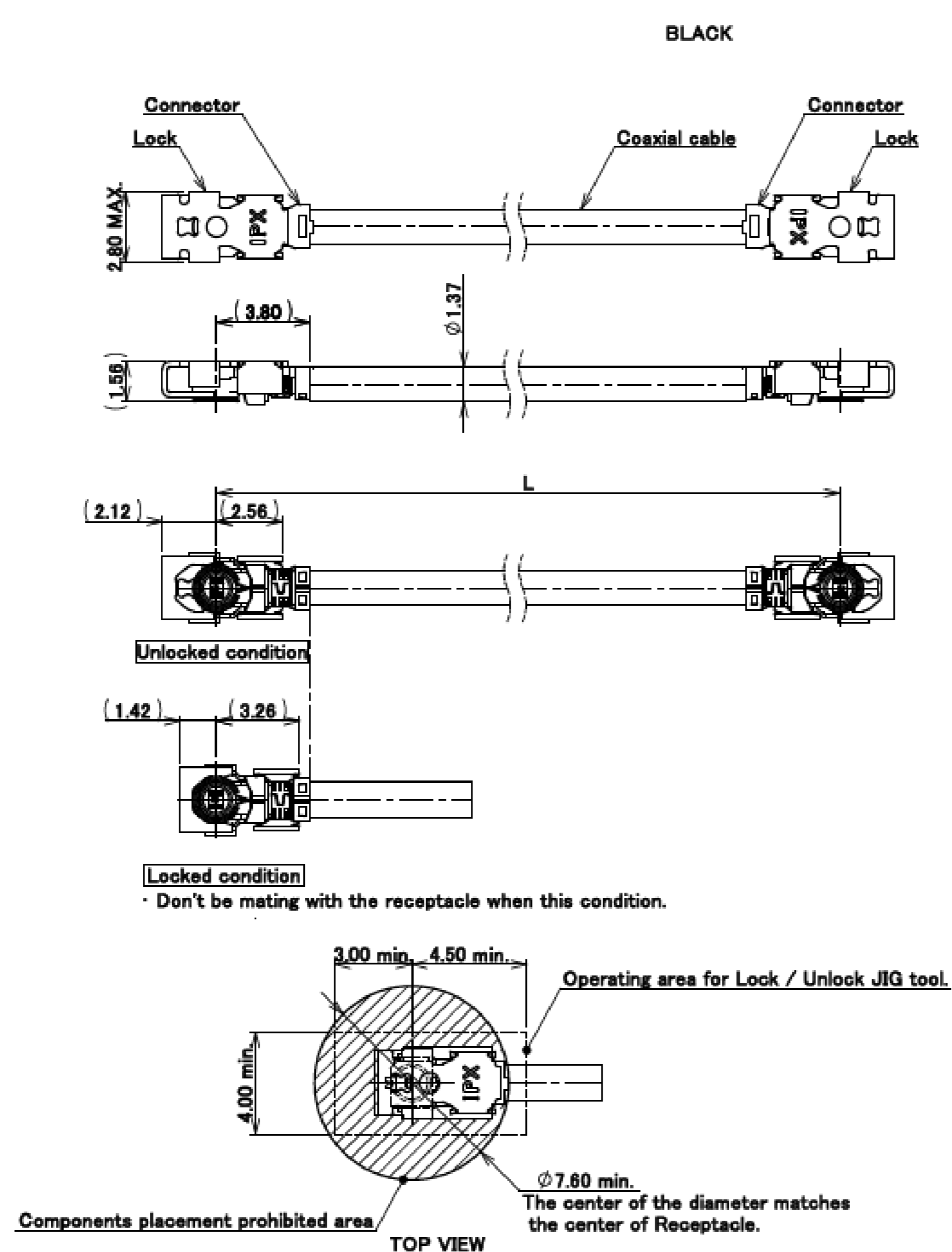


► Mates with MHF® 4/4L Receptacles

	MHF® 4L LK	MHF® 4L	MHF® 4L	MHF® 4L	
Product name	MHF® 4L LK	MHF® 4L	MHF® 4L	MHF® 4L	
Lock	With Lock	Without Lock	Without Lock	Without Lock	
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)				

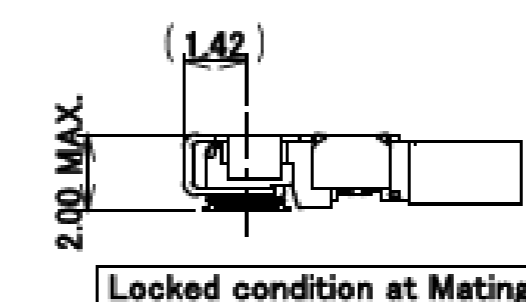
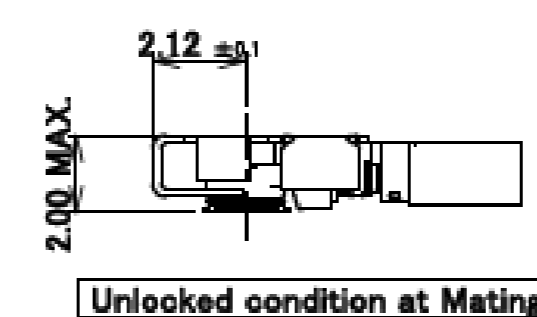
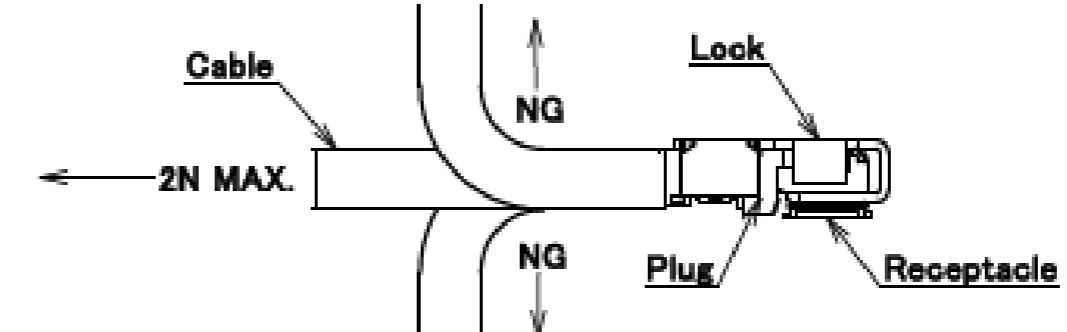
# Component Parts Details

## MHF<sup>®</sup> 4L LK

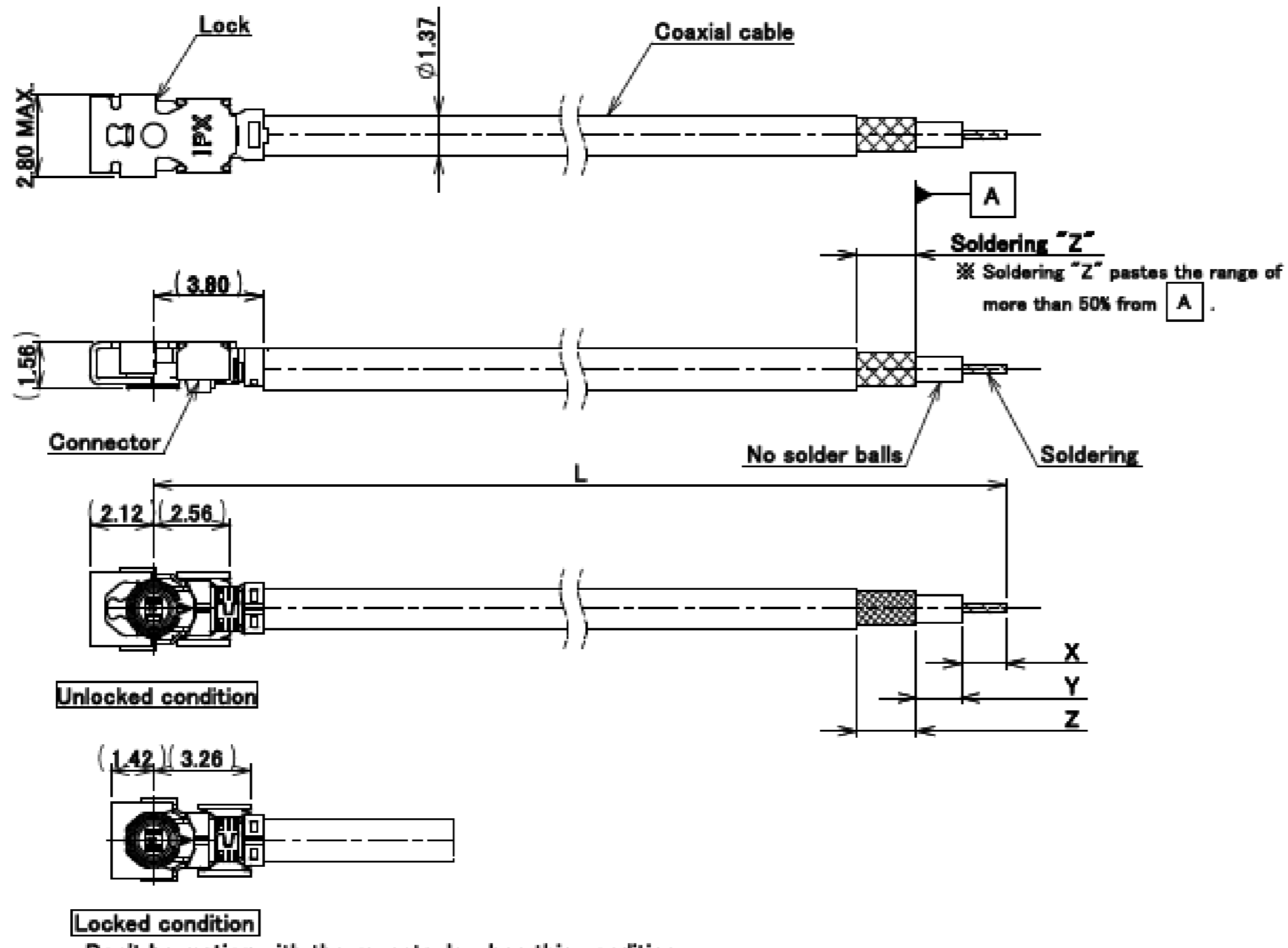


### NOTES

1. Constructions
  - (1) Connector : MHF4L Plug
  - (2) Coaxial cable : AWG#30  $\Phi$  1.37
2. Orientation of connector :  $0^\circ \pm 45^\circ$
3. Packing : Bag
4. This product is RoHS compliant.
5. Cable crimp strength : 15N MIN.
6. Permissible load of cable at mating.

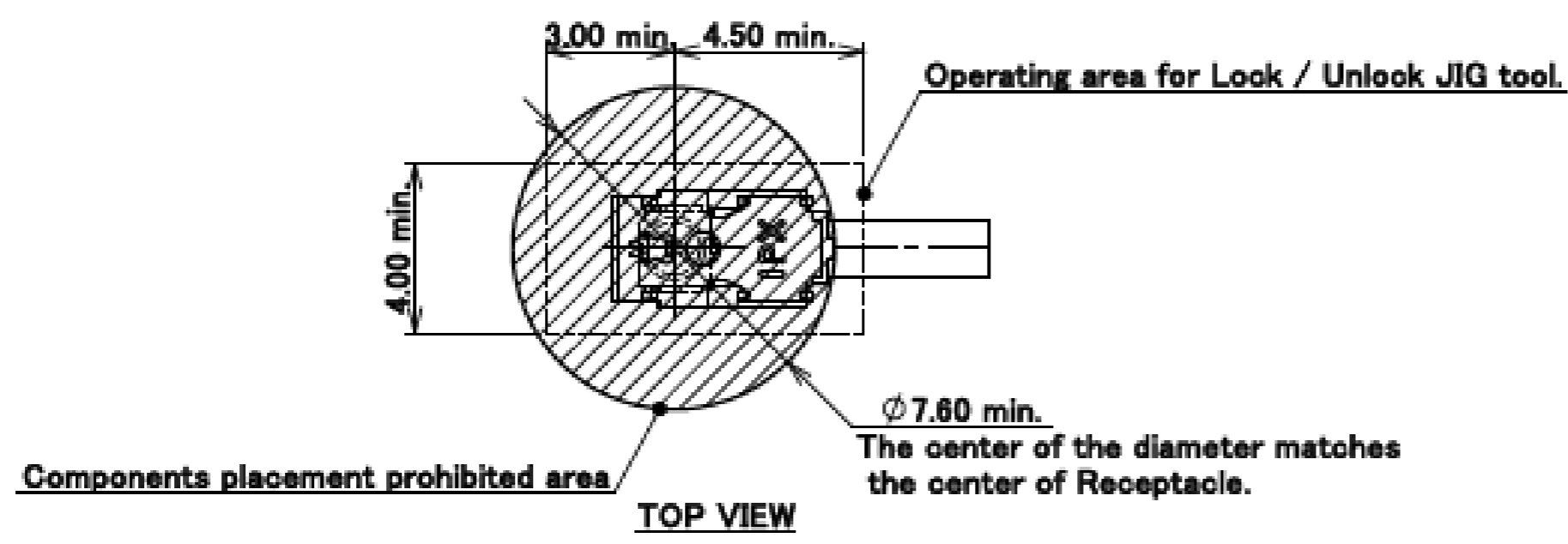
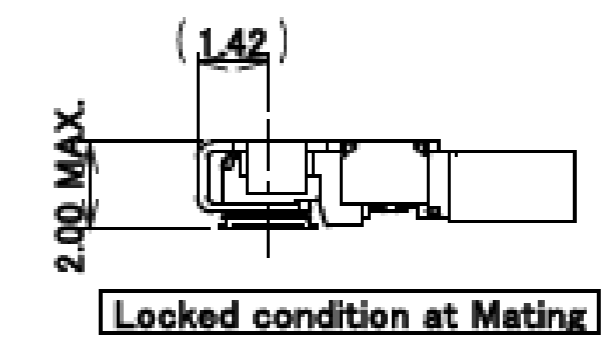
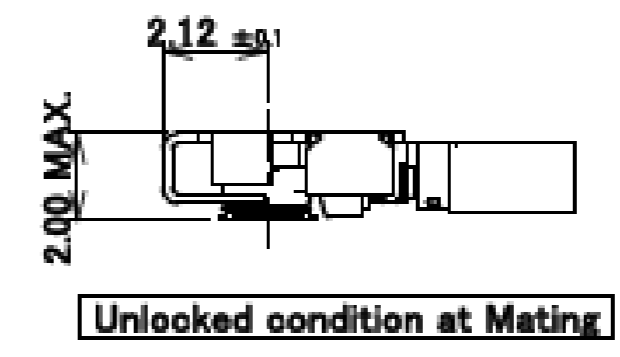
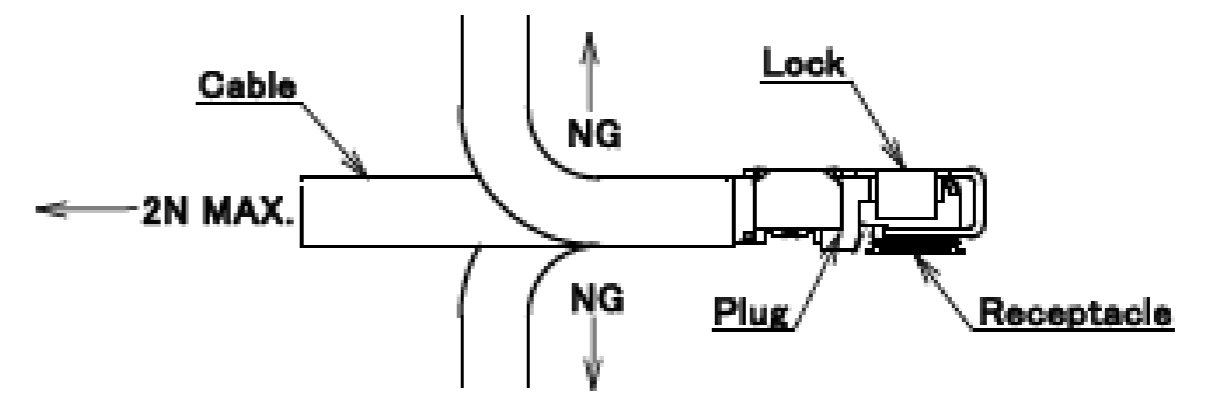


# MHF<sup>®</sup> 4L LK



## NOTES

1. Constructions
  - (1) Connector : MHF4L Plug
  - (2) Coaxial cable : AWG#30 ϕ1.37
2. Packing : Bag
3. This product is RoHS compliant.
4. Cable crimp strength : 15N MIN.
5. Permissible load of cable at mating.



Rev.0

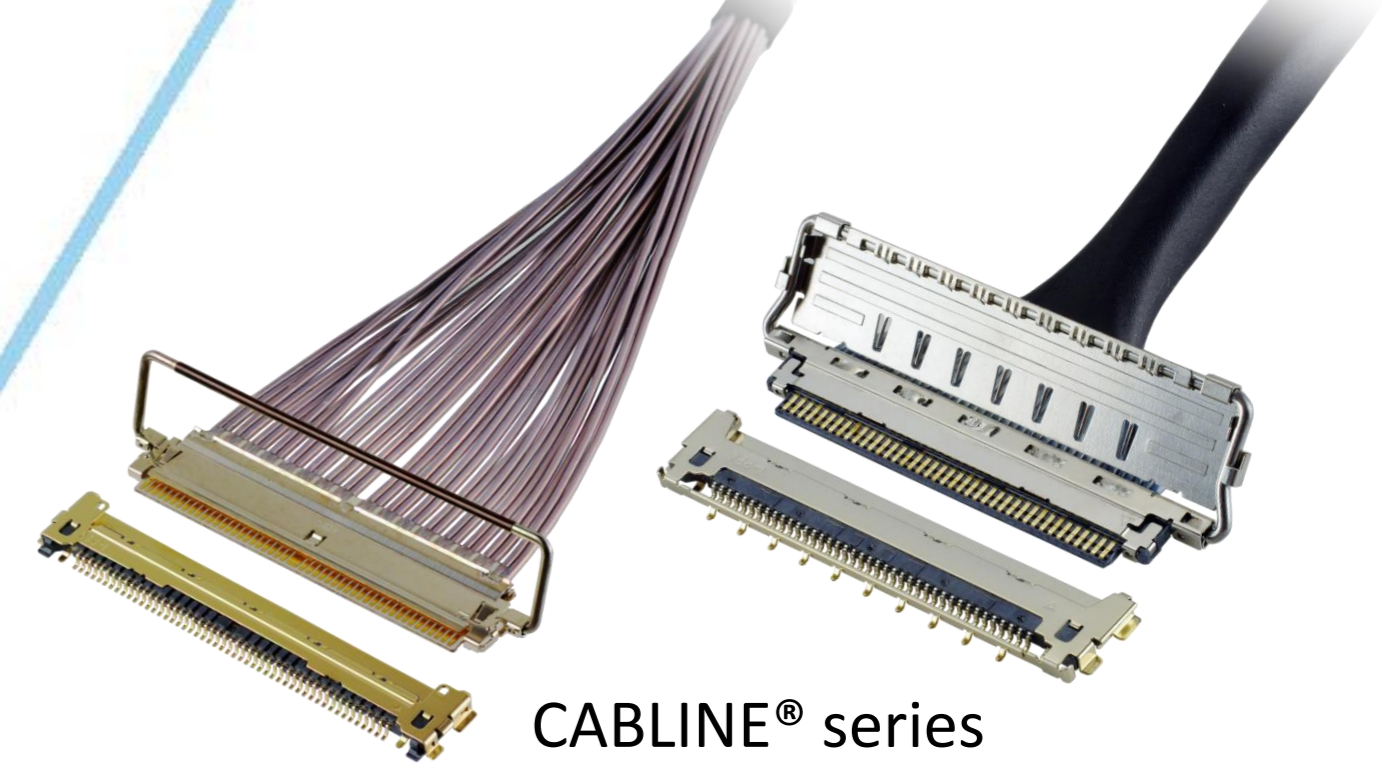
# Custom Products Available

## RF Connector

MHF® series



## Micro-coaxial/Twinax/ Discrete Wire Connector



CABLINE® series

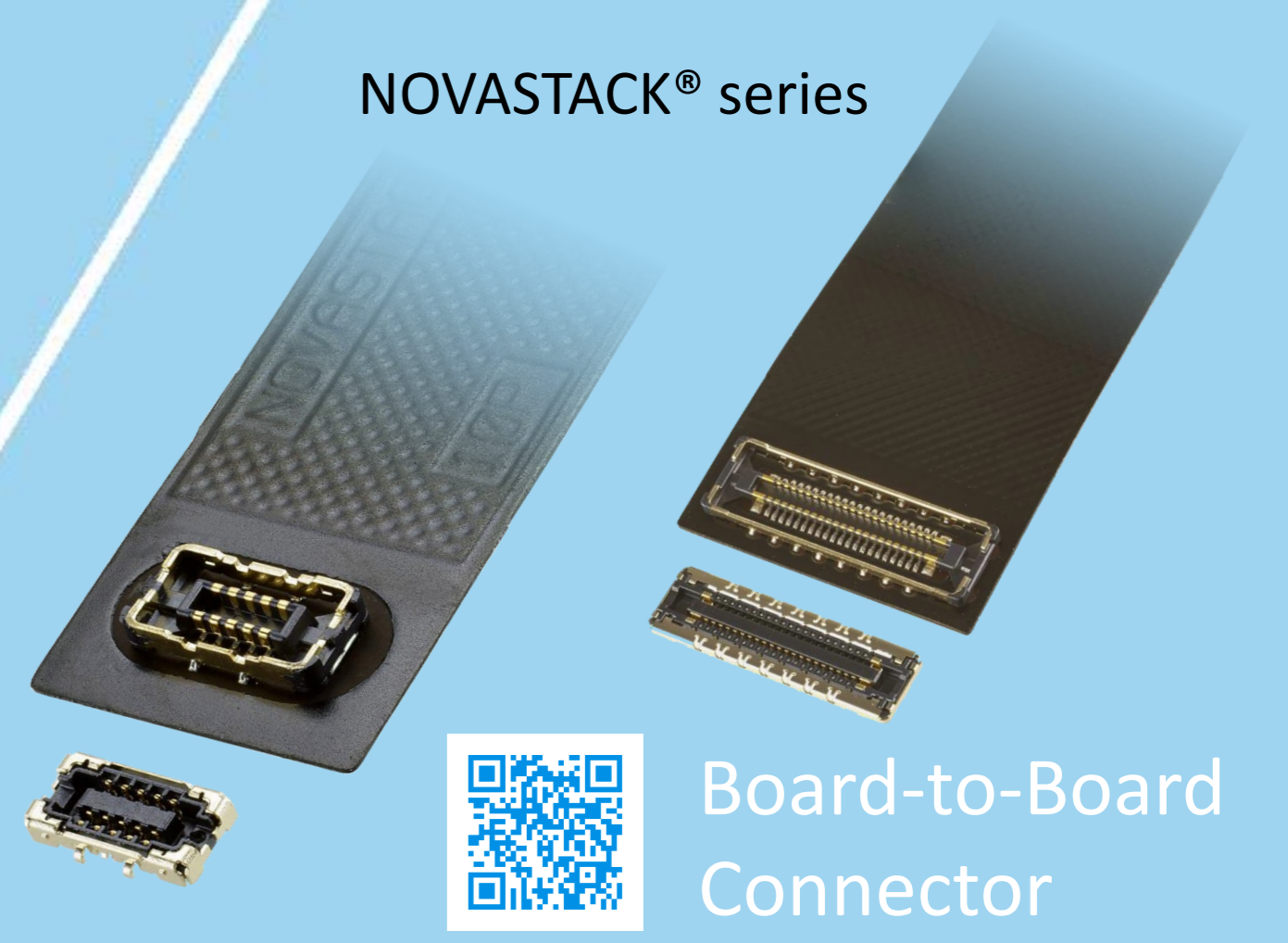


## Optical Module

LIGHTPASS® series



NOVASTACK® series



## Board-to-Board Connector



## Power Connector/ Terminal

AP series

ISH® series



MINIFLEX® series

EVAFLEX® series



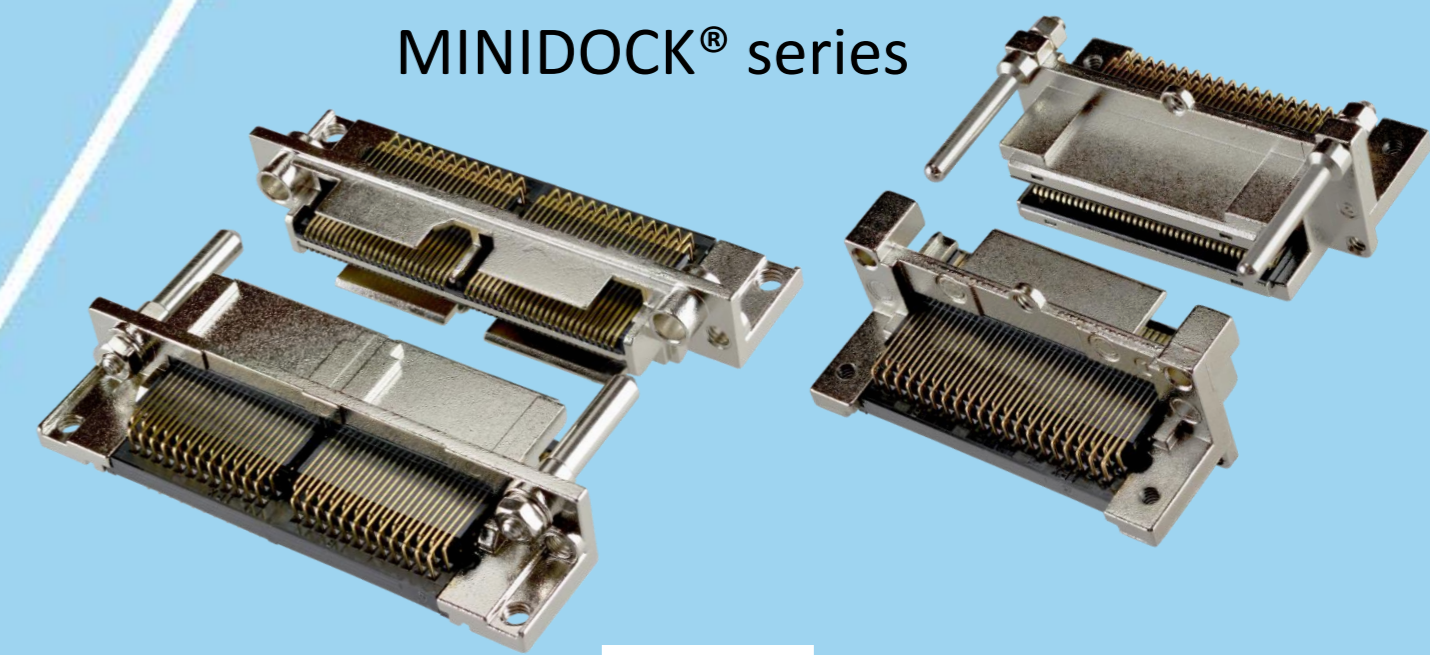
## FPC FFC Connector



Inquiry



MINIDOCK® series



## I/O Connector

I-PEX, MHF, CABLINE, LIGHTPASS, NOVASTACK, ISH, IARPB, MINIFLEX, EVAFLEX, MINIDOCKS and ZenShield are registered trademarks of I-PEX Inc. Please note that the contents in the catalog might be changed without prior notification. I-PEX Inc. assumes no responsibility for any inaccuracies or obligation to update information on these documents. Please be sure to read and understand the latest "Precautions for Use" and "Instruction Manual" before you use our products. We shall not be responsible for any defects, damages or troubles in case you use our products without following the precautions for use. Please feel free to contact our sales representatives when you use our products for any applications that require very high reliability and safety, or that relate to human life (ex. nuclear power control, aerospace, transportation, medical equipment, safety equipment etc.).

Contact your sales representative or more detailed information.

[www.i-pex.com](http://www.i-pex.com)



# I-PEX

© I-PEX Inc. 2024  
All rights reserved