MHF®-SW23

RF switch connector with a 2.3 x 2.3 mm footprint, supports to 11 GHz



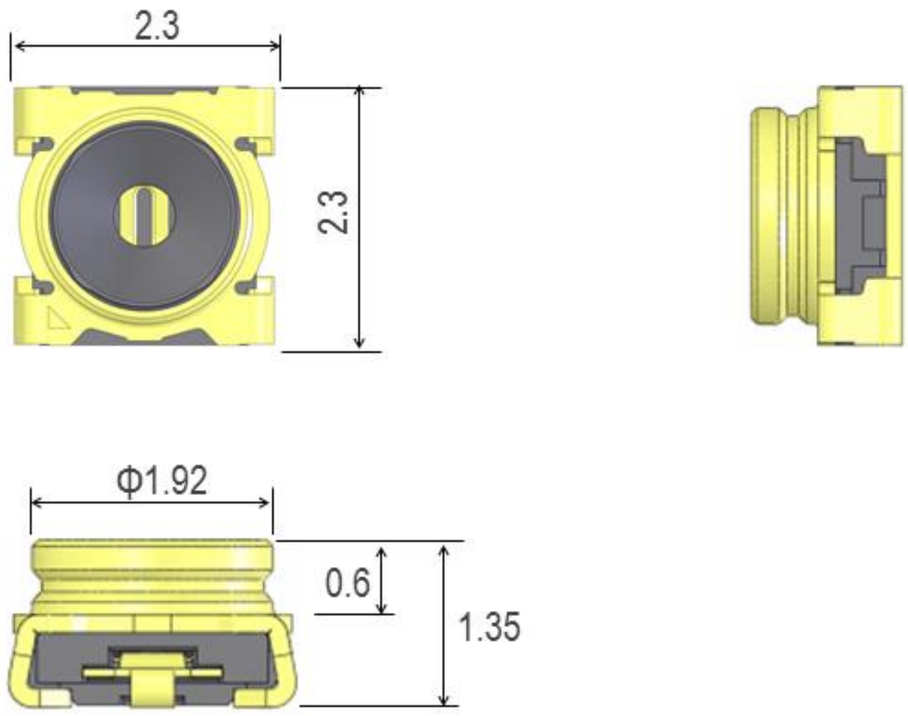
Product Specifications:

Mated Height (mm max.)		1.35
Rece. SMT Size (mm)		2.3 x 2.3
Applicable Frequency		DC ~ 11 GHz
Characteristic Impedance		50 ohm
VSWR (L=100 mm)	DC ~ 2.5 GHz	1.2 max.
	2.5 ~ 6 GHz	1.3 max.
	6 ~ 11 GHz	1.5 max.

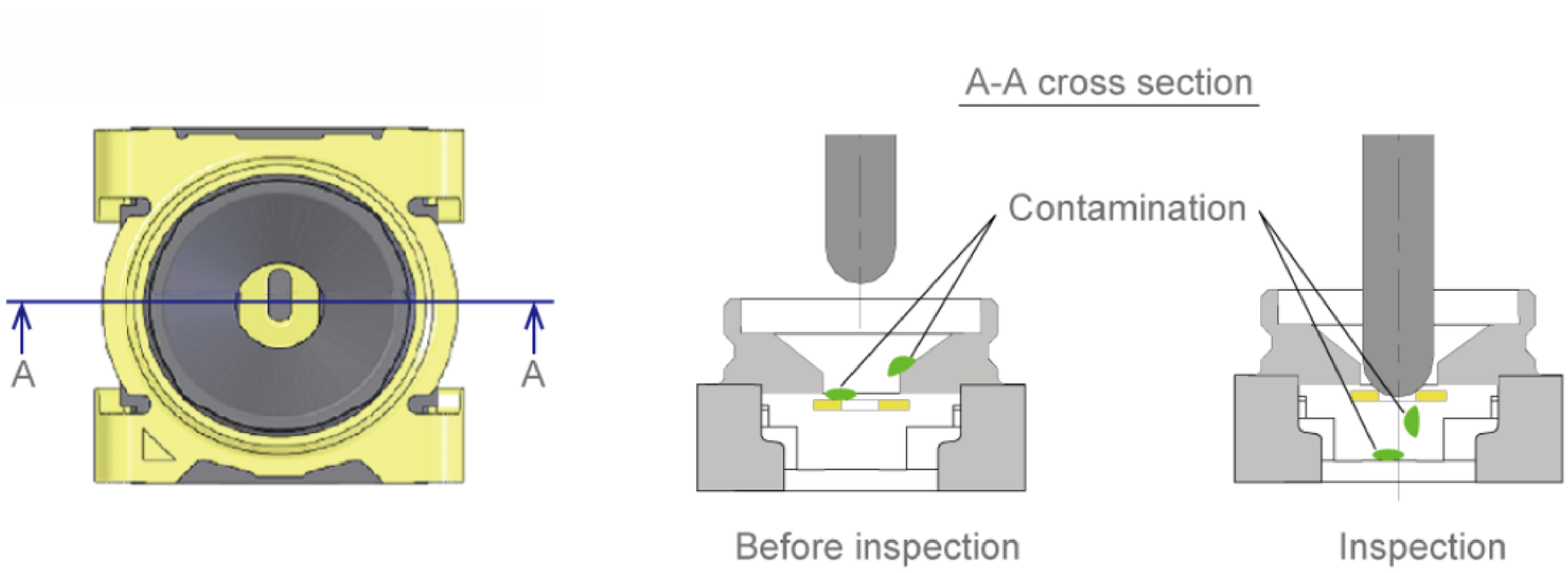
Applicable Standards (Reference Only):

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

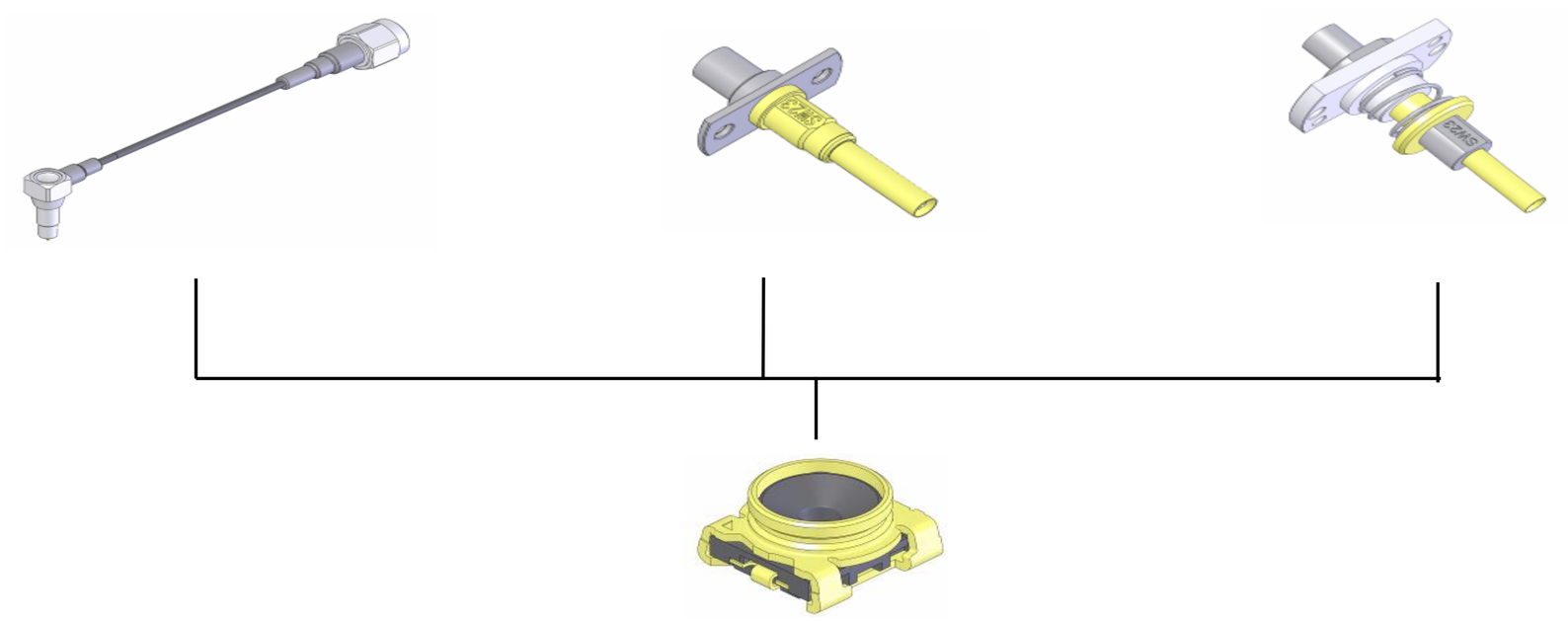
2.3 x 2.3 mm excellent inspection connector for RF modules with on-board antennas



Contaminant-resistant design prevents disruption



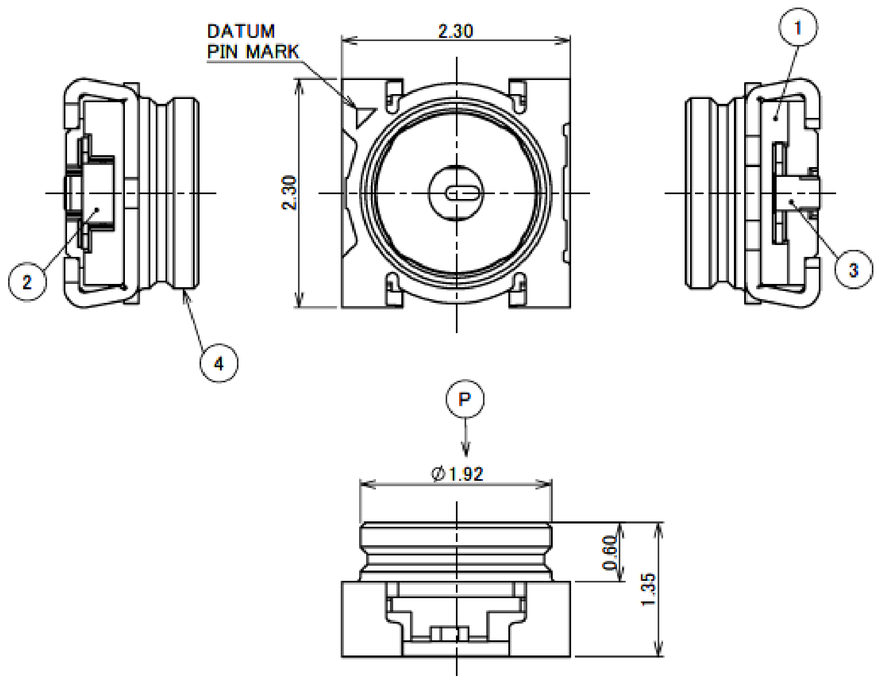
Variety of inspection probes available

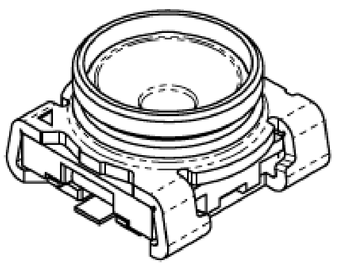


Component Parts Details

MHF®-SW23

Recommended P/N	20549-001E
PART NO.	PACKING QUANTITY
20549-001E	10,000/REEL
20549-001E-01	2,500/REEL

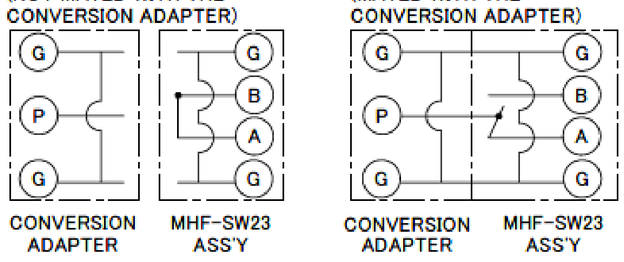


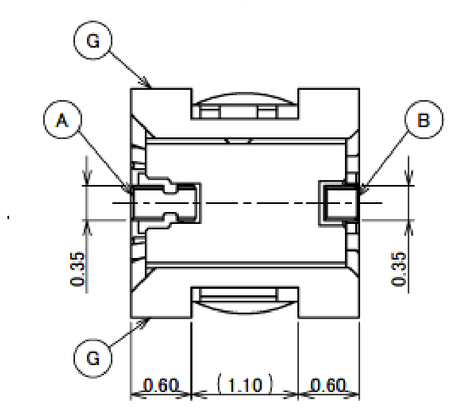


Halogen Free

RoHS Compliant

NOTES.
1. COPLANARITY : 0.1MAX.
2. RoHS COMPLIANT.
3. CIRCUIT OF SWITCH



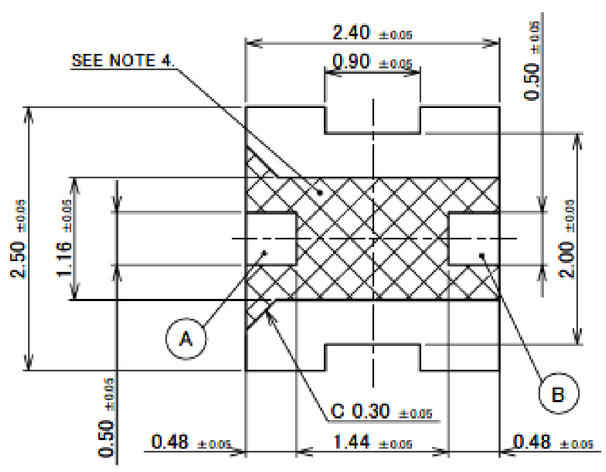


NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
4	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.02 μm MIN. SOLDERING PART Au 0.02 μm MIN.
3	CONTACT B	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.2 μm MIN. SOLDERING PART Au 0.02 μm MIN.
2	CONTACT A	CORSON ALLOY	ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.2 μm MIN. SOLDERING PART Au 0.02 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

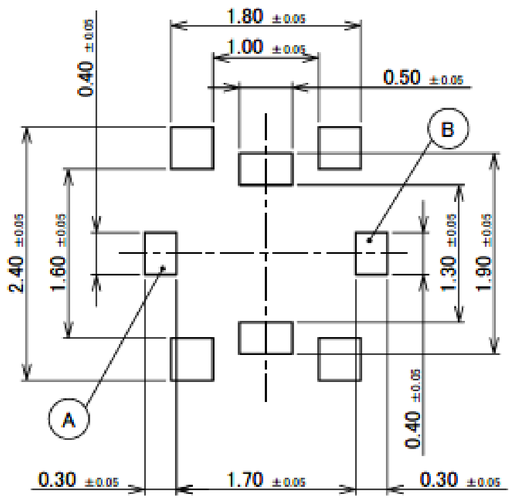
Rev.10

MHF®-SW23

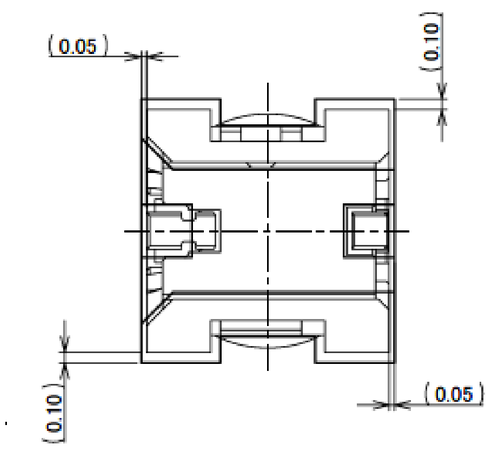
ITEMS	SPECIFICATION	
CONNECTOR PART NO.	20549-001E	20549-001E-01
RATING POWER	2 W	
RATING FREQUENCY	DC ～ 11.0 GHz	
OPERATING TEMPERATURE	233 ～ 358 K (-40℃～+85℃)	
OPERATING HUMIDITY	90% MAX. (NON-CONDENSING)	
VSWR	1.2 MAX. AT DC ～2.5 GHz, 1.3 MAX. AT 2.5 GHz ～ 6.0 GHz, 1.5 MAX. AT 6.0 GHz ～ 11.0 GHz	
MAIN CONTACT RESISTANCE	100 mohm MAX	
GROUND CONTACT RESISTANCE	100 mohm MAX	
INSULATION RESISTANCE	INITIAL: 1000 Mohm MIN. / AFTER TEST: 10 Mohm MIN.	
DIELECTRIC WITHSTANDING VOLTAGE	100 V AC, 1 MINUTE	
DURABILITY	100 CYCLES	
PRODUCT SPECIFICATION	PRS-1672	
TEST REPORT	TR-12041	
PACKING STANDARD	300-991	PST-12025
INSTRUCTION MANUAL	HIM-13004	
APPEARANCE CRITERIA No.	QLS-A***	



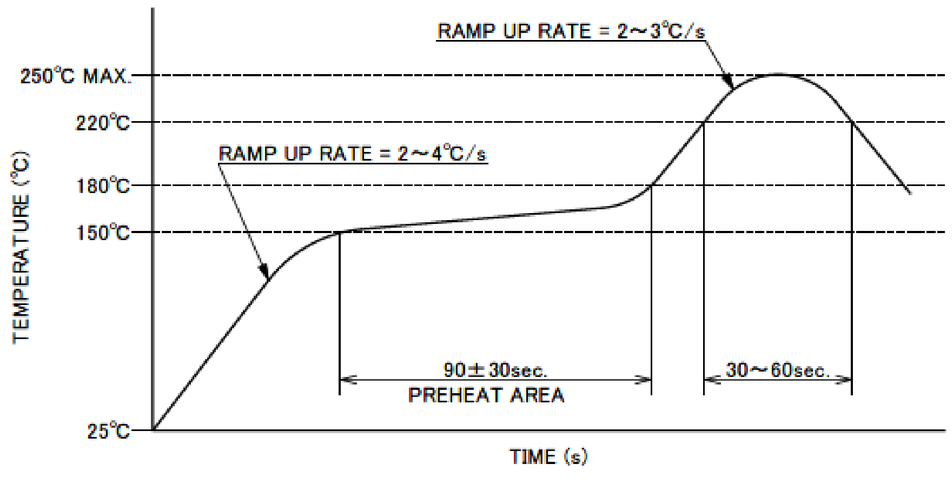
RECOMMENDED FOOTPRINT PATTERN



MASK THICKNESS: t = 0.1
METAL MASK



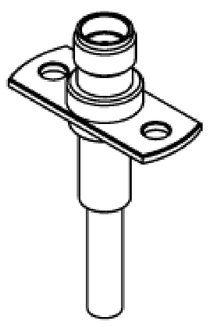
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



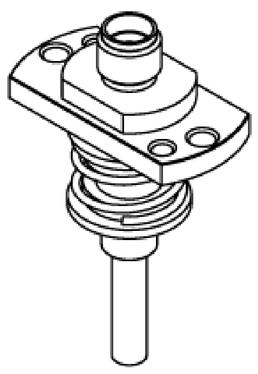
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

NOTES
4. NO GROUND, SIGNAL, AND RESIST IN THIS AREA.

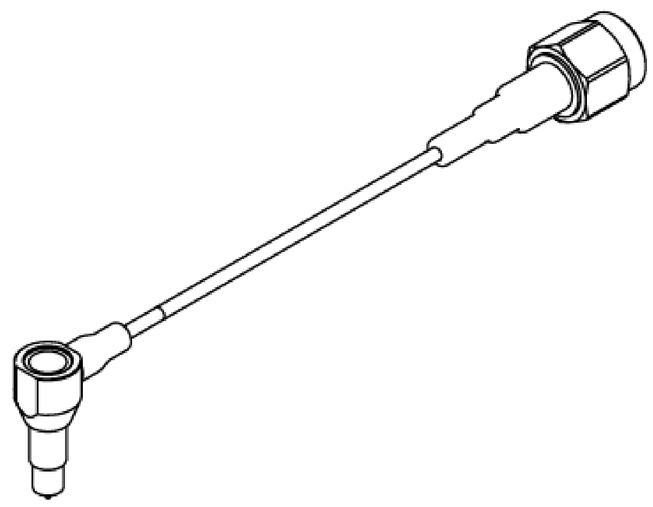
Accessories for MHF®-SW23



MHF-SW23 RECEPTACLE HIGH CYCLE SMA ADAPTER
PART NO. 90604-0001



MHF-SW23 RECEPTACLE HIGH CYCLE F SMA ADAPTER
PART NO. 90605-0001



MHF-SW23 SMA ADAPTER CABLE
PART NO. 90582-0*00

Rev.10

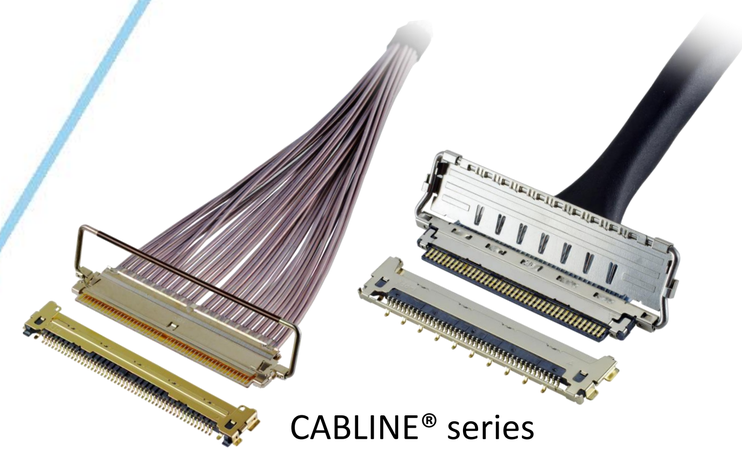
Custom Products Available

RF Connector

MHF® series



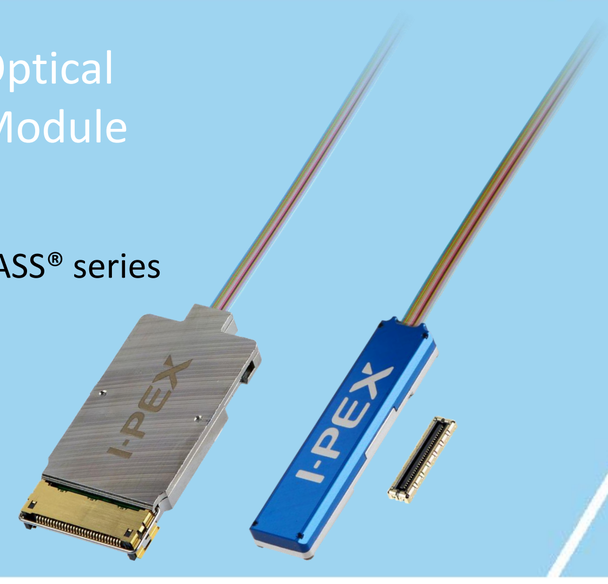
Micro-coaxial/Twinax/ Discrete Wire Connector



CABLINE® series

Optical Module

LIGHTPASS® series



Board-to-Board Connector

NOVASTACK® series



Power Connector/ Terminal

AP series

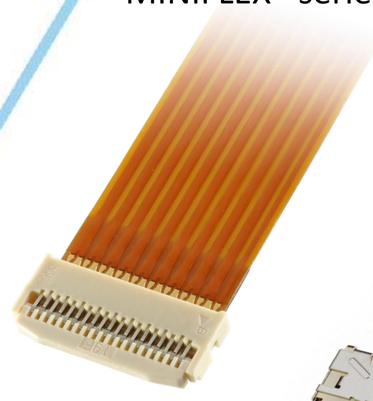


ISH® series

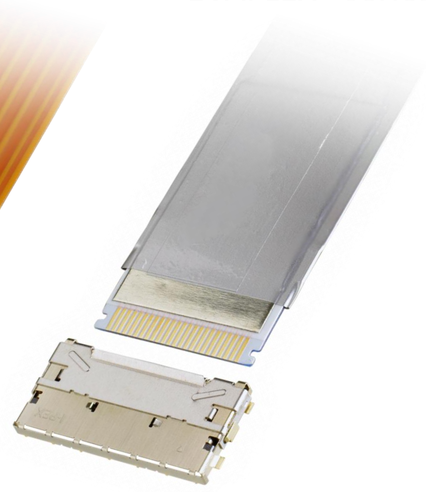


FPC FFC Connector

MINIFLEX® series



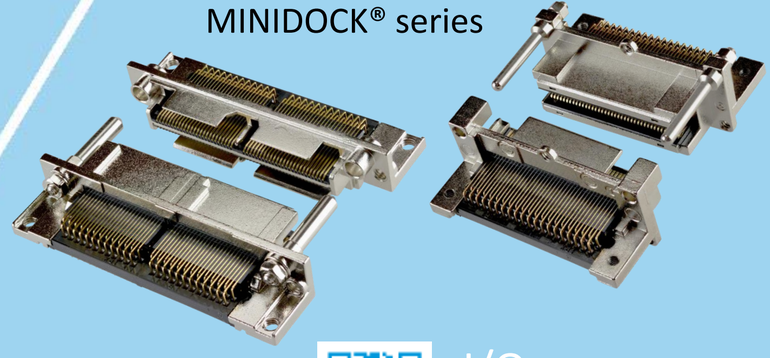
EVAFLEX® series



Inquiry

I/O Connector

MINIDOCK® series



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