

MHF®-SW23 PLUG

Micro RF coaxial plug, mates to MHF®-SW23 RF switch PCB receptacle

Product Specifications:

Mated Height (mm max.)		3.7
Rece. SMT Size (mm)		2.3 x 2.3
Applicable Frequency		DC ~ 9GHz
Characteristic Impedance		50 ohm
VSWR (L=100 mm)	0.3 ~ 3 GHz	1.4 max.
	3 ~ 6 GHz	1.6 max.
	6 ~ 9 GHz	2.0 max.

Applicable Cable Size:

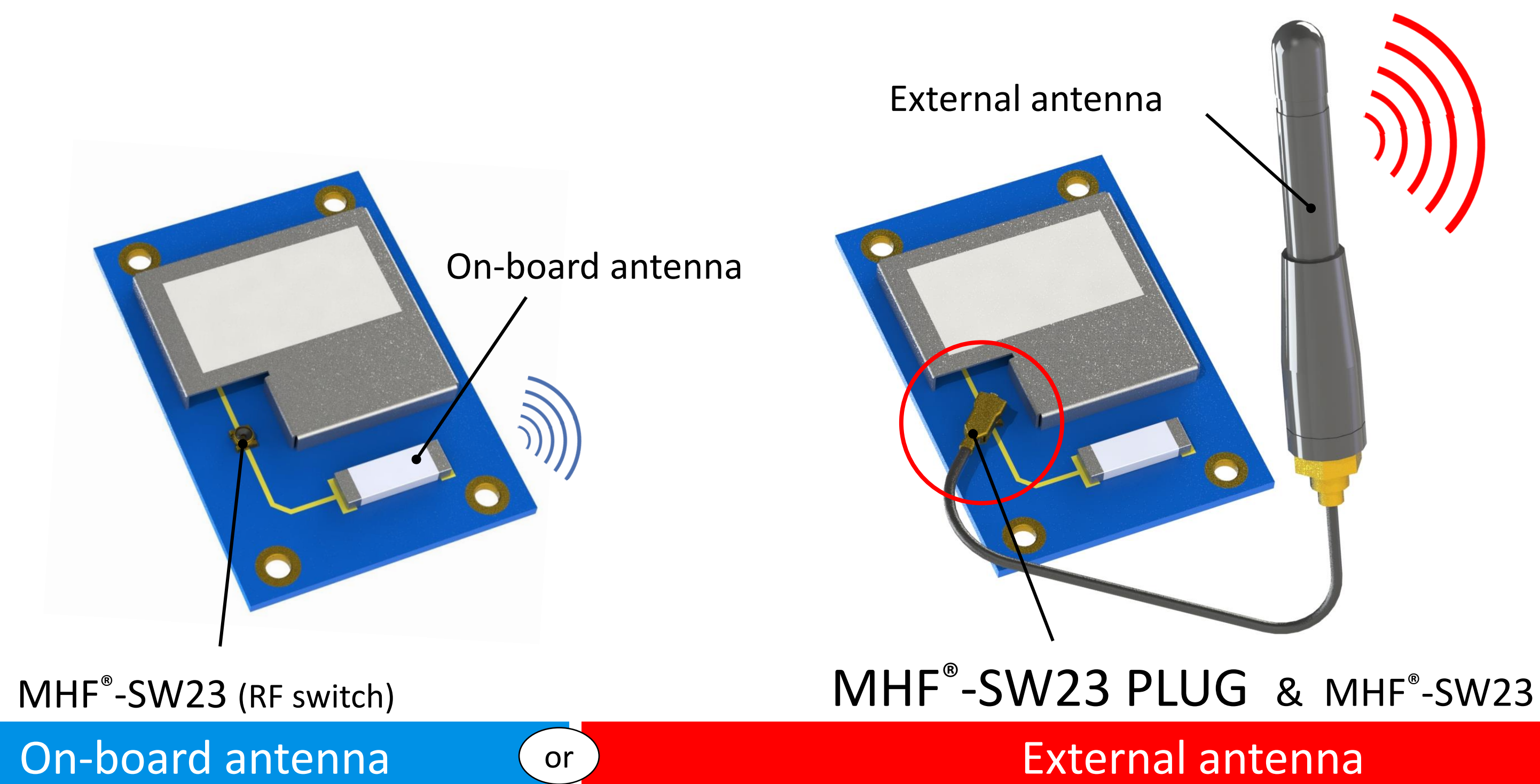
O.D. 1.13 mm / AWG 32

Applicable Standards (Reference Only):

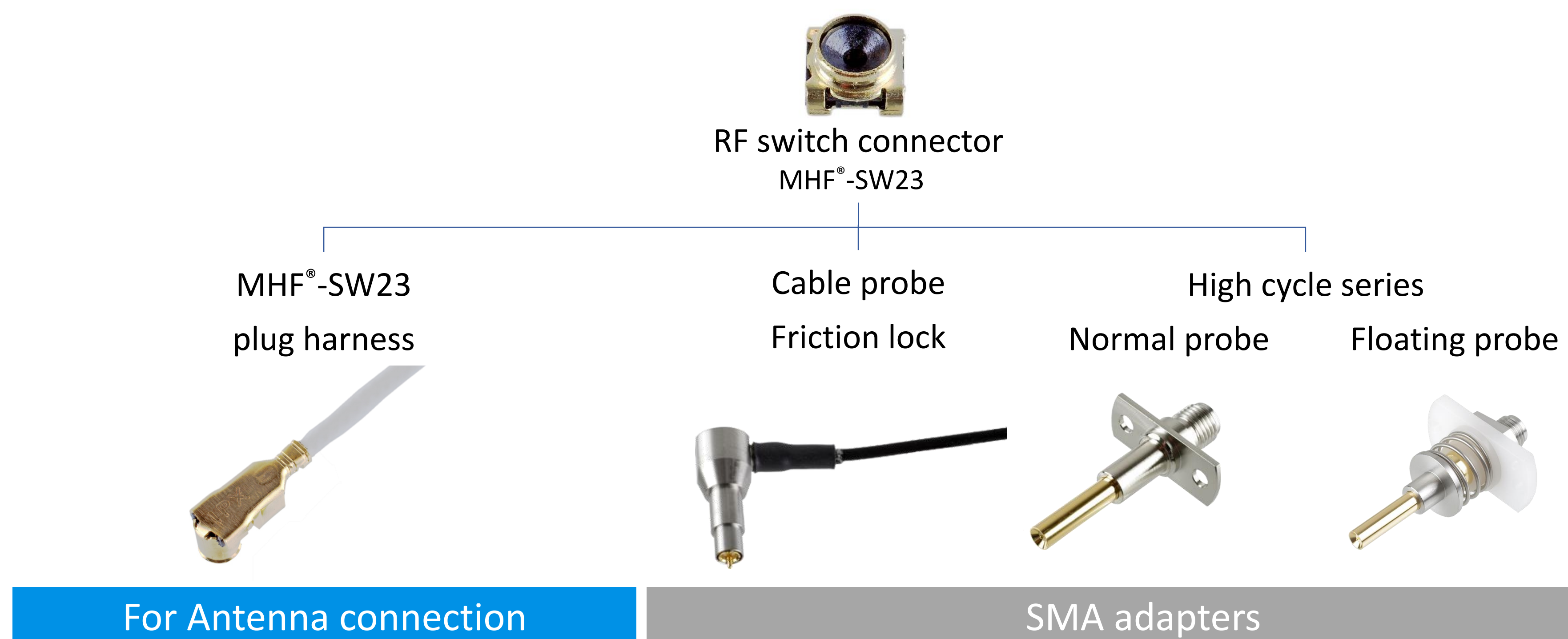
5G sub-6, Wi-Fi 6, LTE/LTE-Advanced, LPWA, Bluetooth, GPS



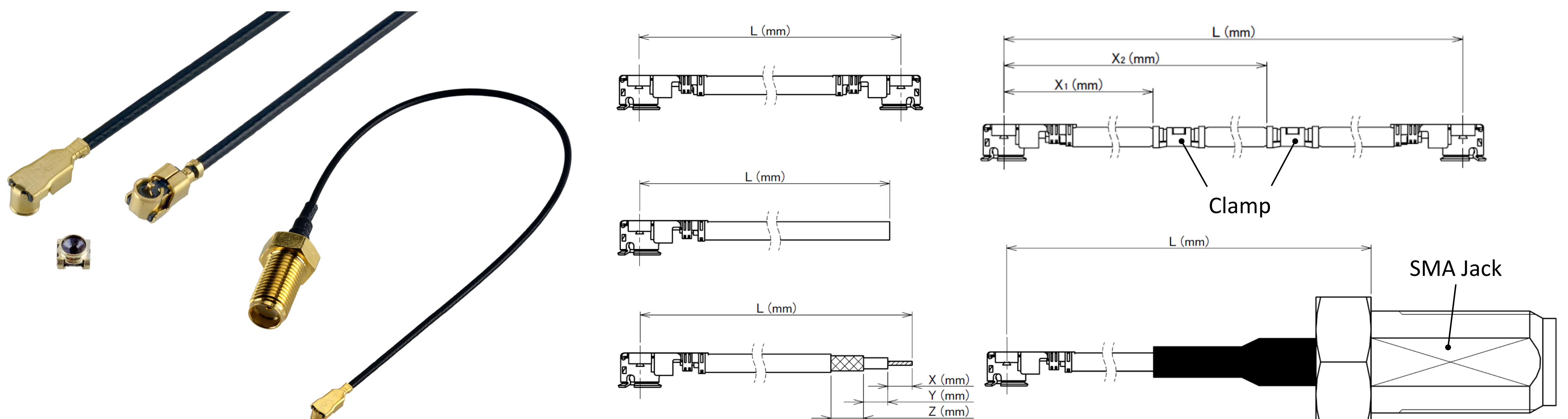
► Flexibility to choose on-board antenna or external antenna



► New options for mating with RF switch connector



► Available harness configurations

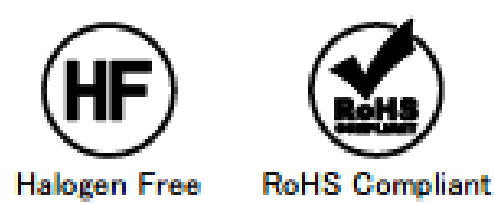
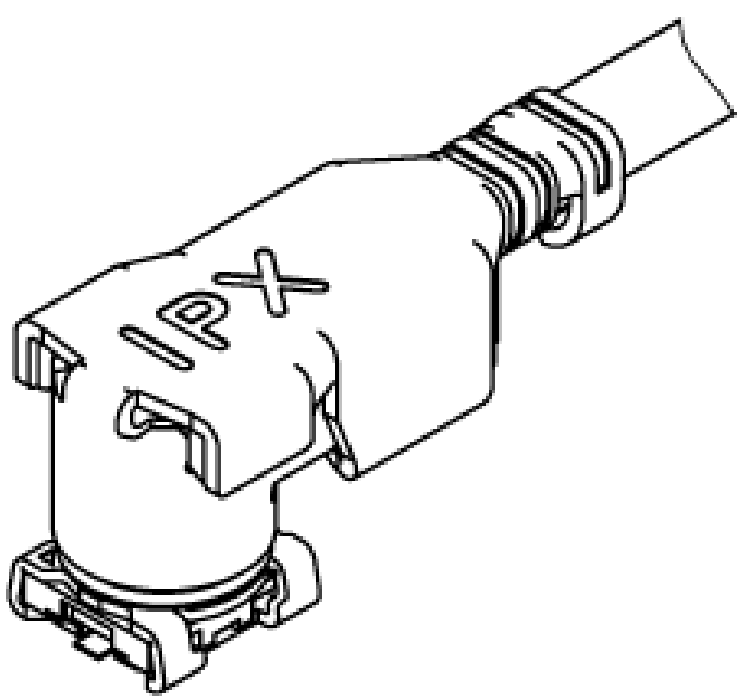
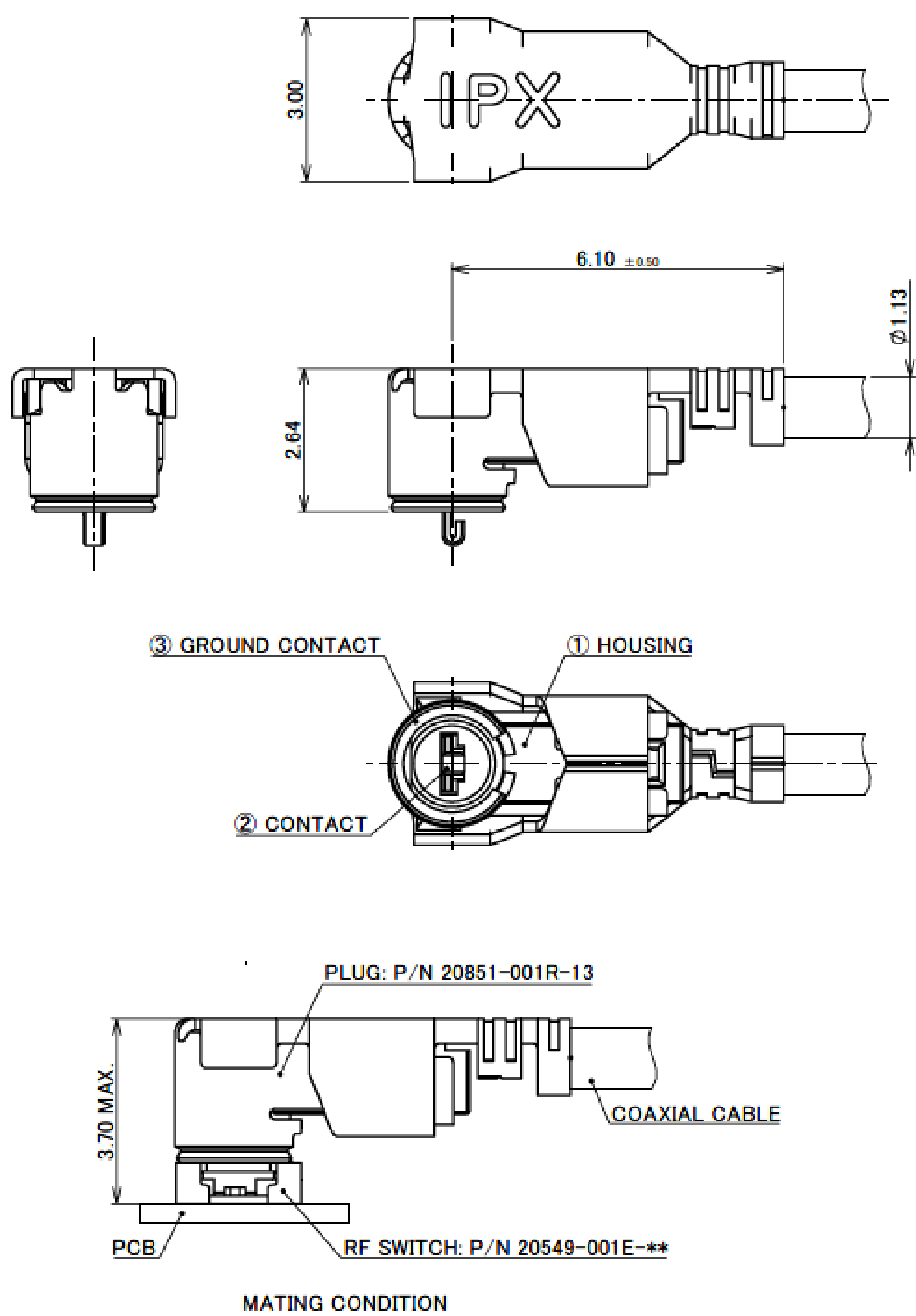


Component Parts Details

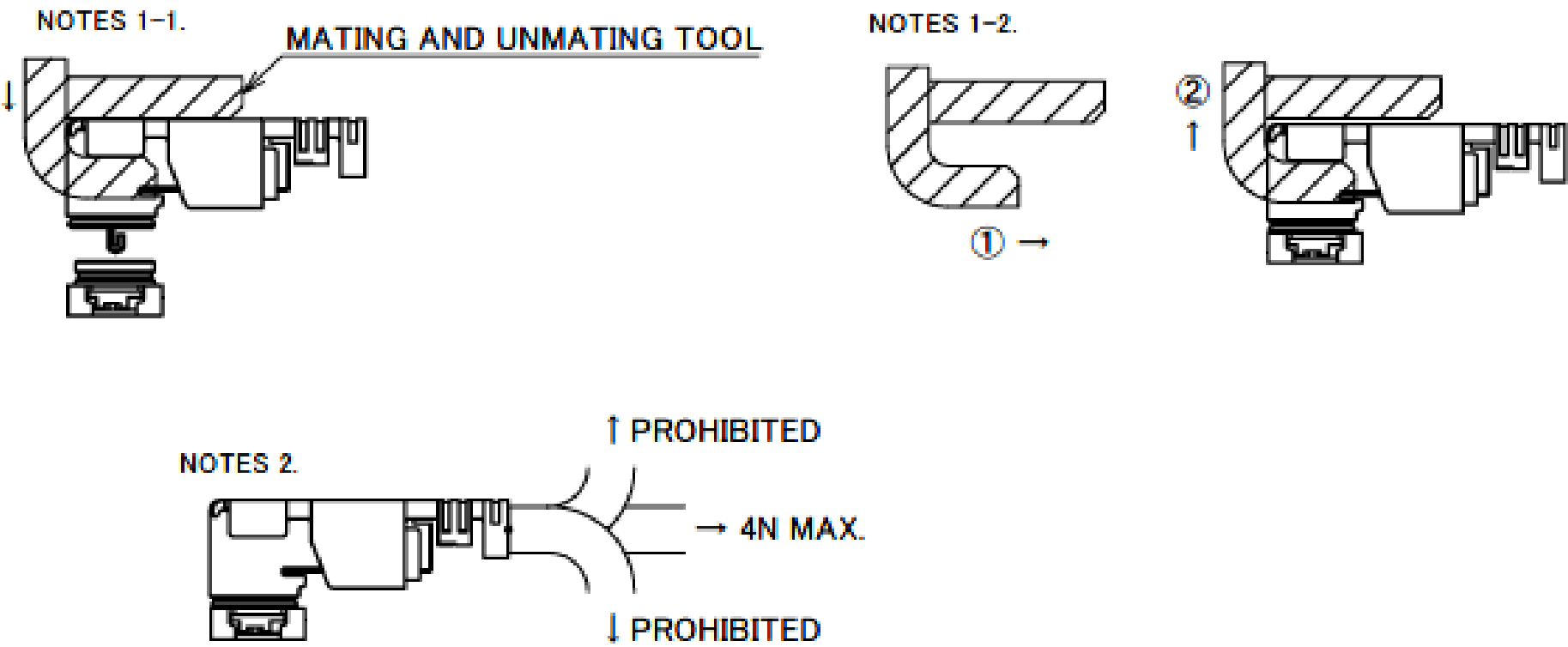
MHF®-SW23 PLUG

Recommended P/N	20851-001R
PART No.	20851-001R

Offered as harness only.



NOTES
1. MATING AND UNMATING INSTRUCTION
1-1. MATING
MATE THE CONNECTOR VERTICALLY AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND SWITCH. DO NOT SLANT MATE.
1-2. UNMATING
USE THE MATING AND UNMATING TOOL (PART NO. 91396-0001) AS THE FOLLOWING DRAWING. AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
2. PERMISSIBLE LOAD OF CABLE AT MATING.



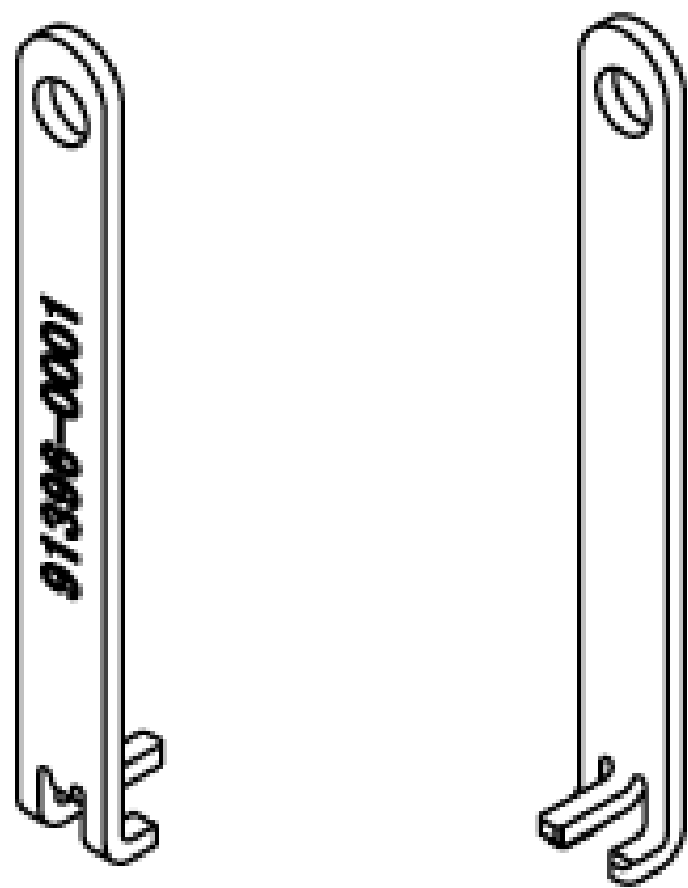
3	GROUND CONTACT	PHOSPHOR BRONZE	Au OVER Ni
2	CONTACT	PHOSPHOR BRONZE	Au OVER Ni
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

MHF®-SW23 PLUG

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20549-001E-**
RATING FREQUENCY	DC~9 GHz
OPERATING TEMPERATURE	233~358 K (-40℃~+85℃)
OPERATING HUMIDITY	90% MAX.(NON-CONDENSING)
VSWR (MATED WITH SMA ADAPTER No. 91183-0001)	1.40 MAX. AT 0.3~3 GHz 1.60 MAX. AT 3~6 GHz 2.00 MAX. AT 6~9 GHz
MAIN CONTACT RESISTANCE	INITIAL : 100 mohm MAX. / AFTER TEST : 100 mohm MAX.
GROUND CONTACT RESISTANCE	INITIAL : 100 mohm MAX. / AFTER TEST : 100 mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000 Mohm MIN. / AFTER TEST : 10 Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC 200 V 1min
DURABILITY	30 CYCLES
UNMATING FORCE (INITIAL / AFTER TEST)	5 N MIN. / 3 N MIN.
CRIMP STRENGTH	10 N MIN.
PRODUCT SPECIFICATION	PRS-2522
TEST REPORT	TR-18076
PACKING STANDARD	PST-19024
INSTRUCTION MANUAL	HIM-18020
APPEARANCE CRITERIA No.	QLS-A***

Rev.2

Accessories for MHF®-SW23 PLUG



MHF-SW23 PLUG MATING AND UNMATING TOOL
PART NO. 91396-0001

Rev.2

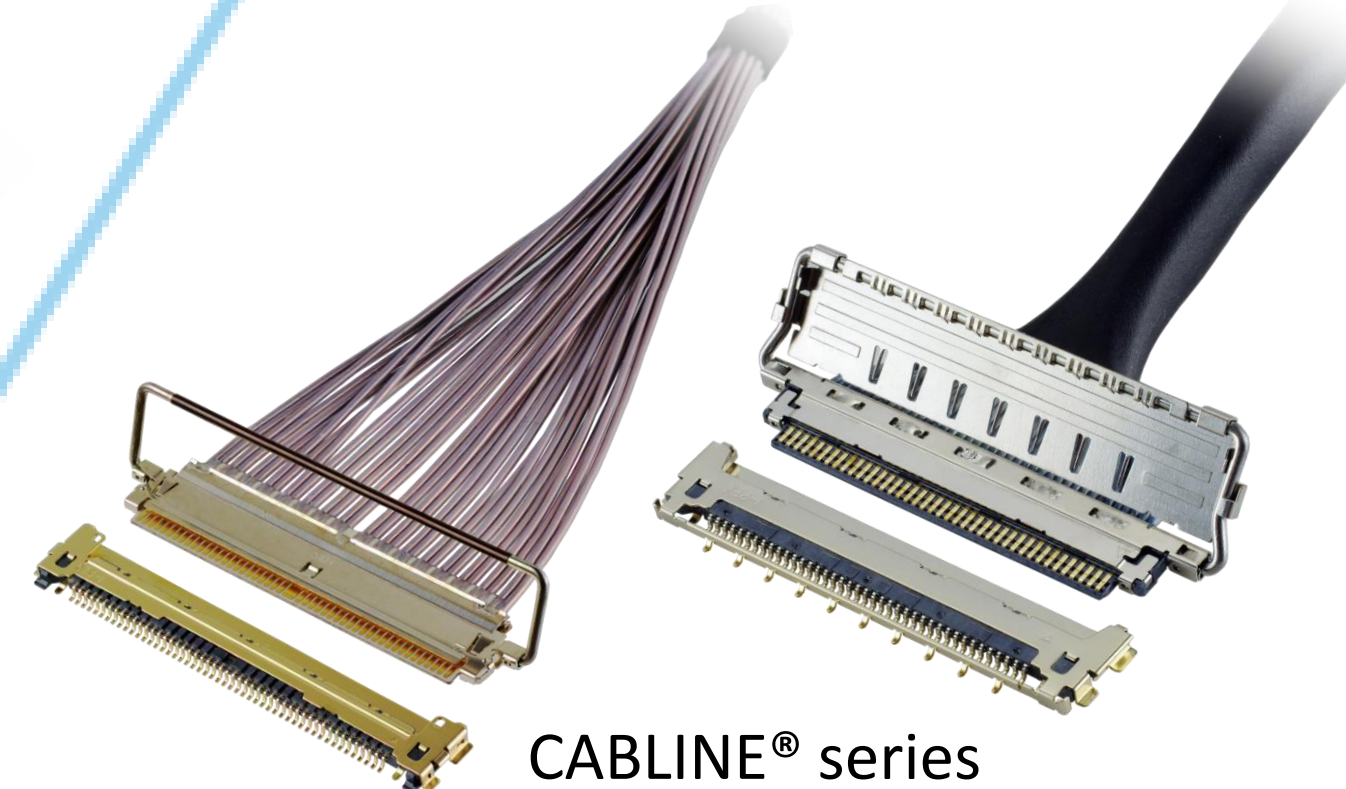
Custom Connectors Available

 RF
Connectors

MHF® series



Micro-coaxial/Twinax
Connectors

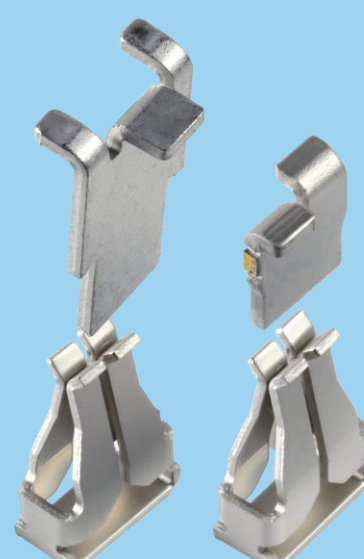


CABLIME® series

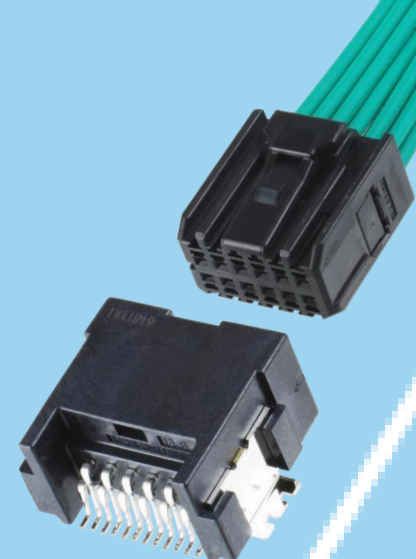


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



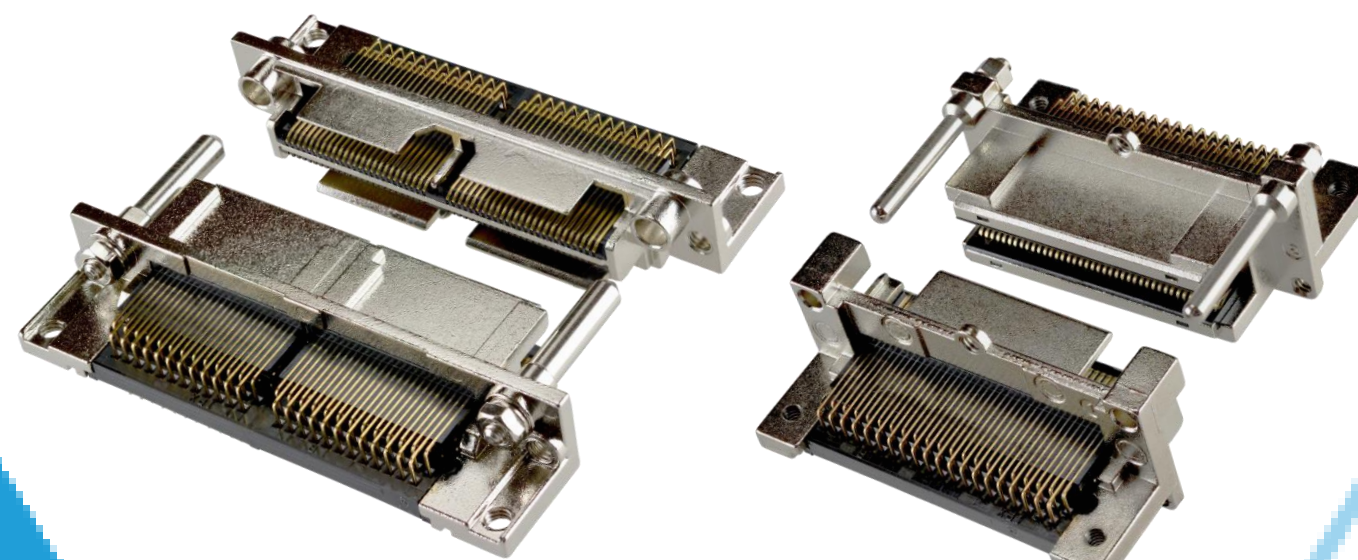
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



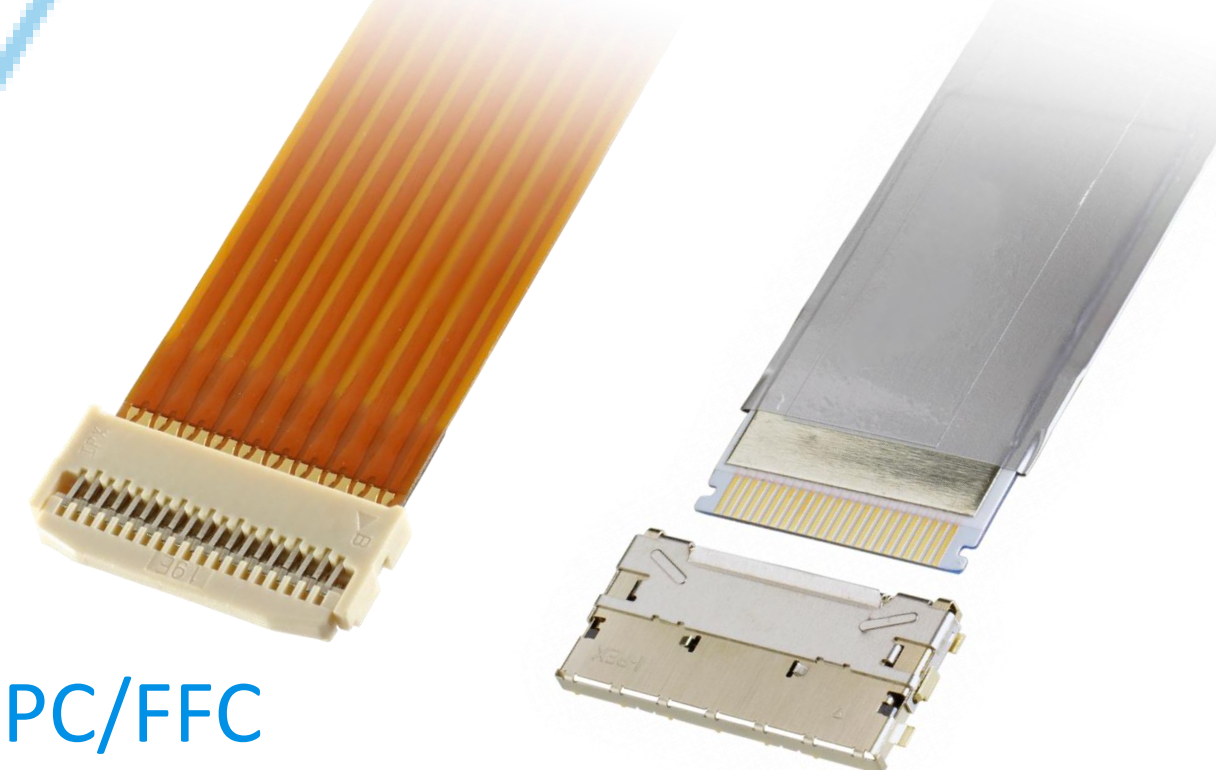
MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series

EVAFLEX® series



Inquiry



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