

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 ~ 6GHz
Characteristic Impedance	50 ohm
VSWR	DC~3 GHz 1.4 max.
(L=100 mm)	3~6 GHz 1.6 max.

Applicable Cable Size:

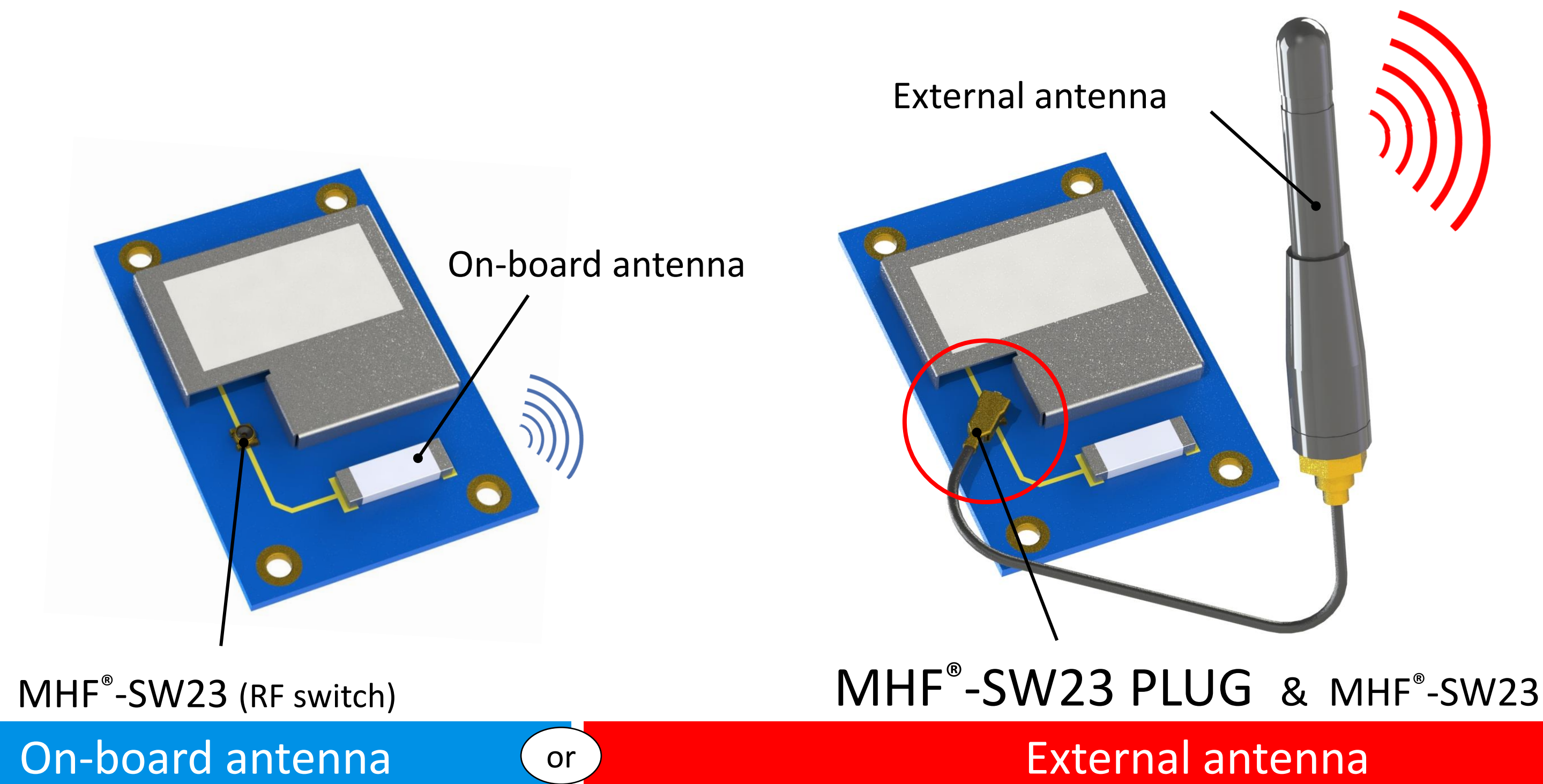
O.D. 1.13 mm / AWG 32

Applicable Standards (Reference Only):

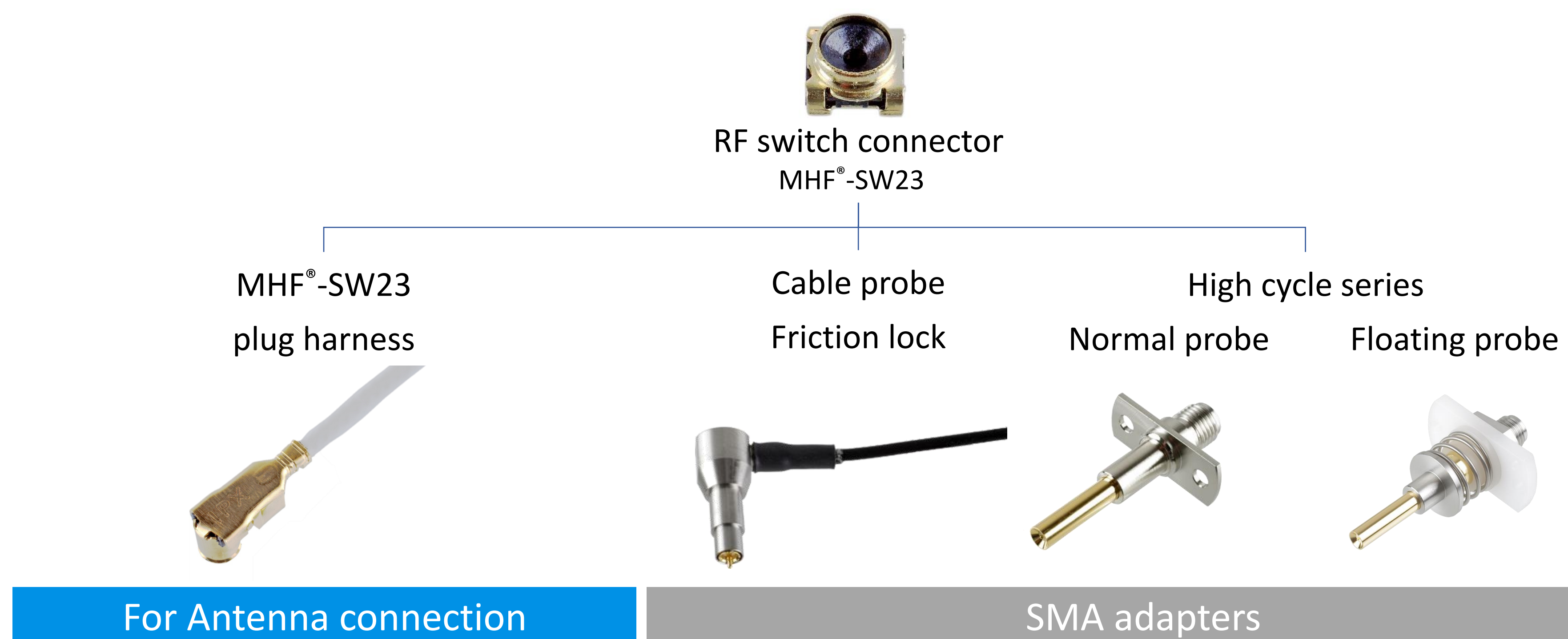
5G sub-6, Wi-Fi 6, LTE/LTE-Advanced, LPWA, Bluetooth, GPS



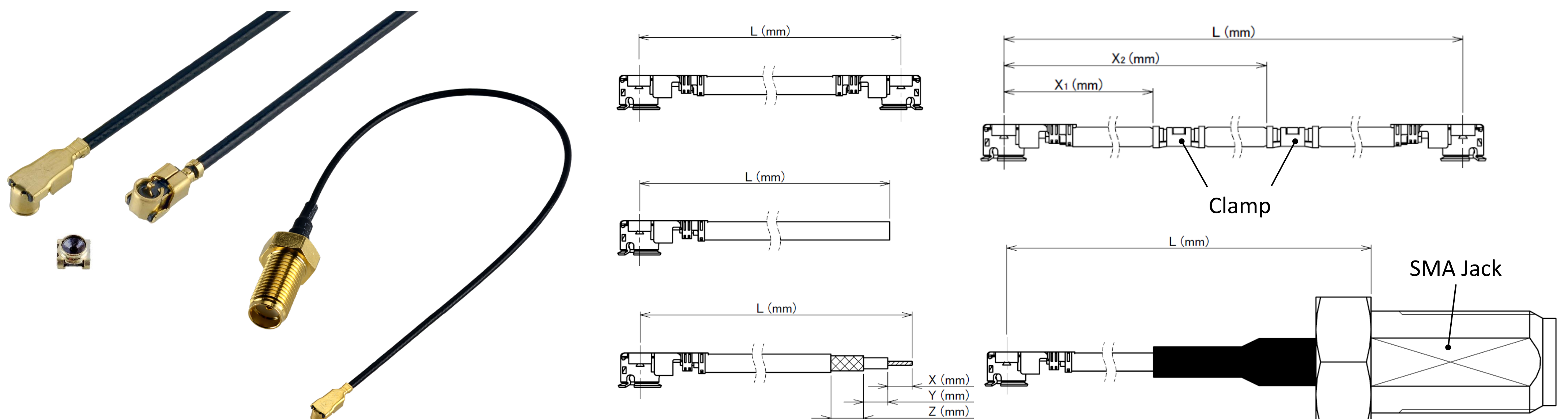
Flexibility to choose on-board antenna or external antenna



New options for mating with RF switch connector



Available harness configurations

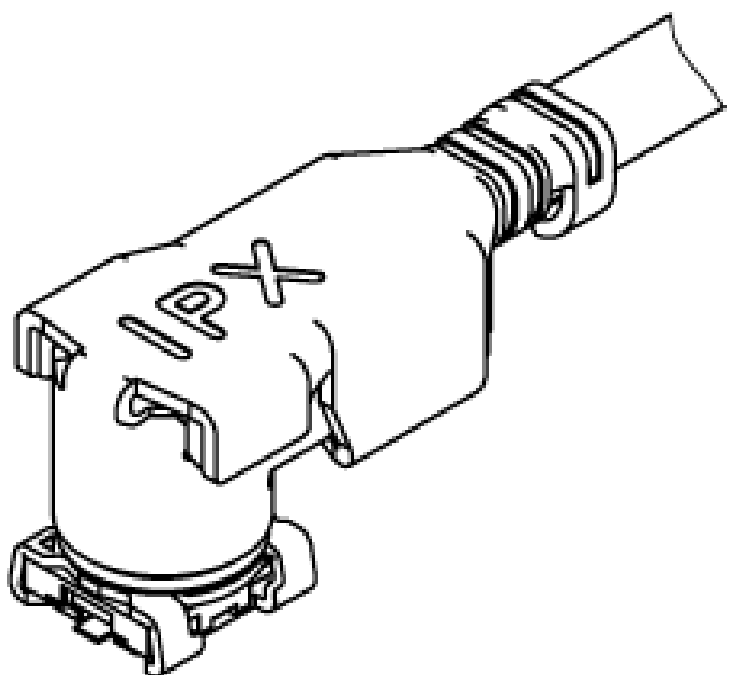
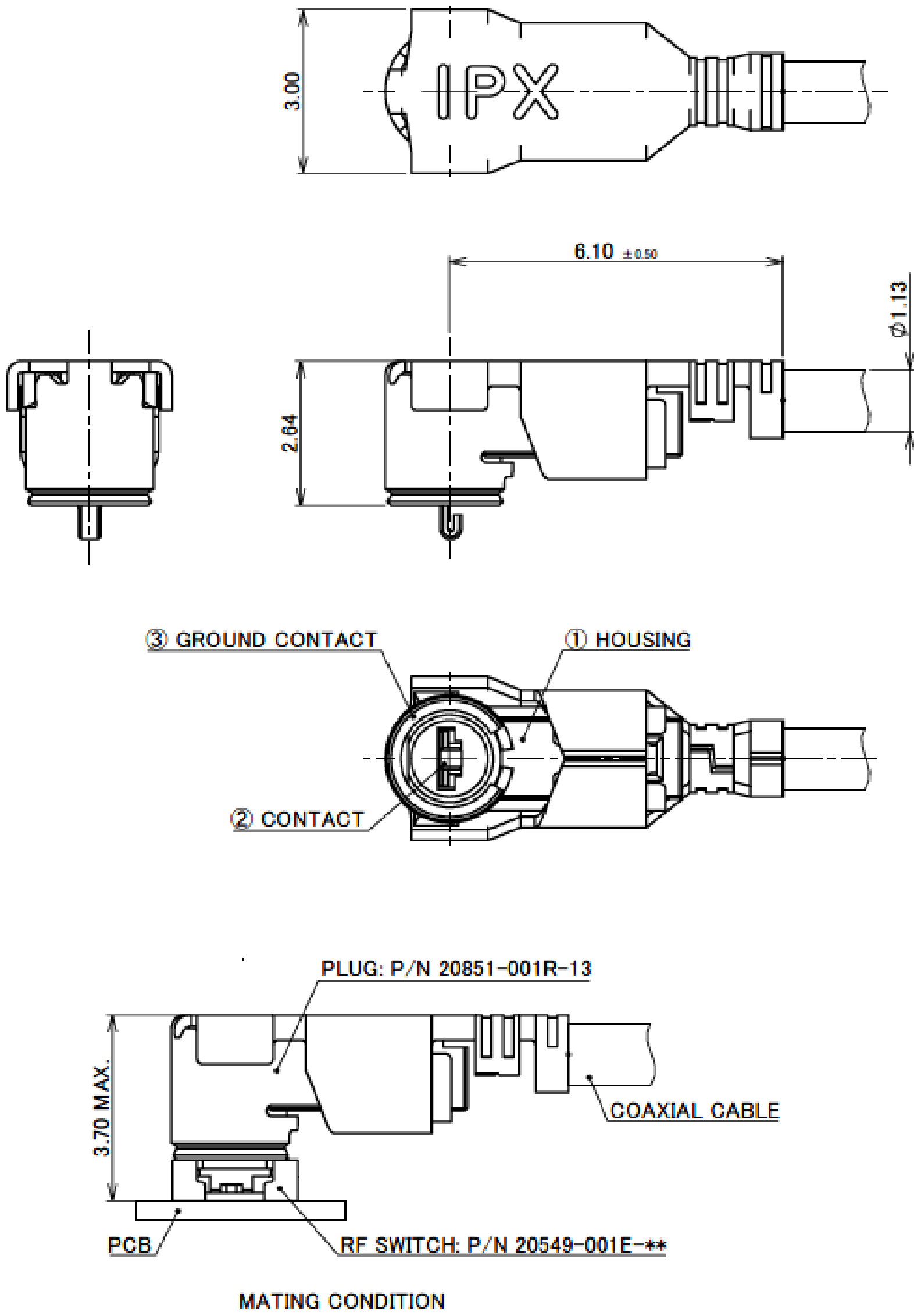
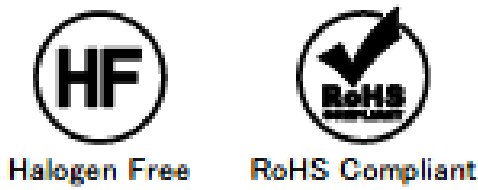


Component Parts Details

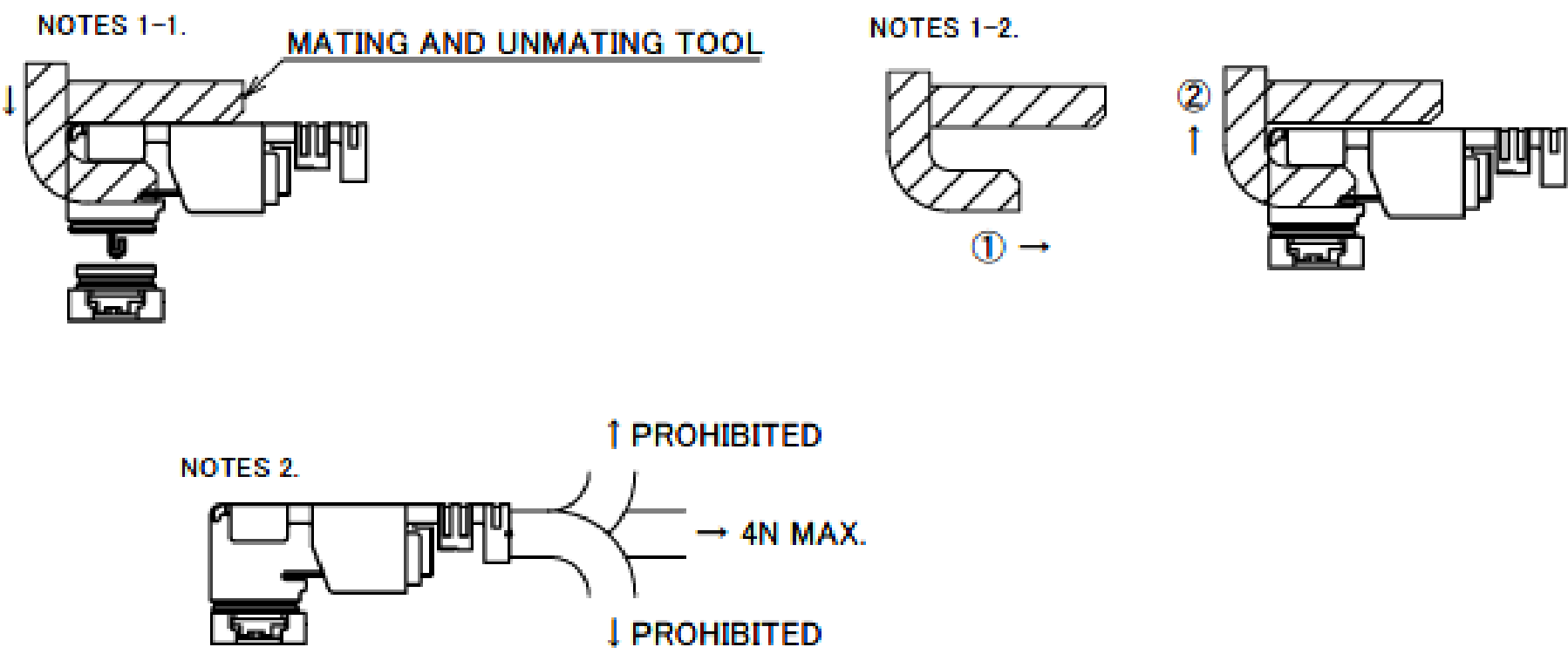
MHF®-SW23 PLUG

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.



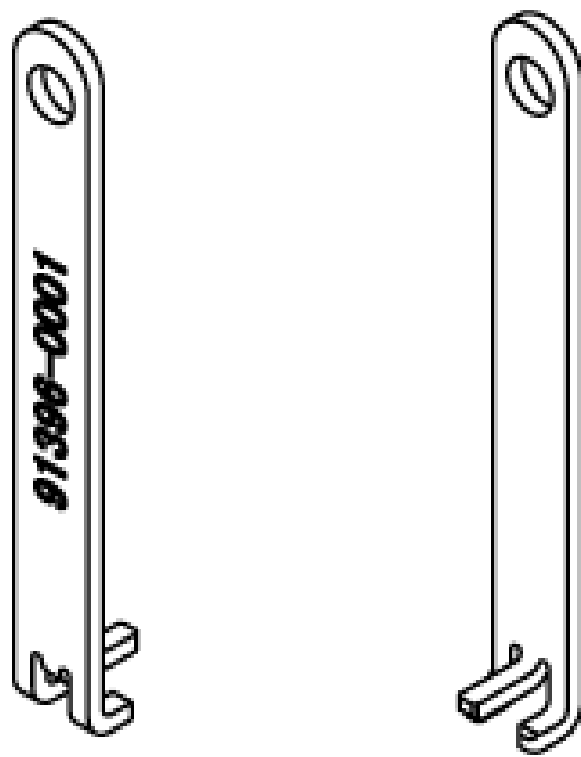
3	GROUND CONTACT	PHOSPHOR BRONZE	Au OVER Ni
2	CONTACT	PHOSPHOR BRONZE	Au OVER Ni
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

MHF®-SW23 PLUG

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20549-001E-**
RATING FREQUENCY	DC~6GHz
OPERATING TEMPERATURE	233~358K(-40℃~+85℃)
OPERATING HUMIDITY	90% MAX.(NON-CONDENSING)
VSWR	1.4 MAX. AT 0.1~3 GHz 1.6 MAX. AT 3~6 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.1

Accessories for MHF®-SW23 PLUG



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

Rev.1

Board to
Board



High-Density



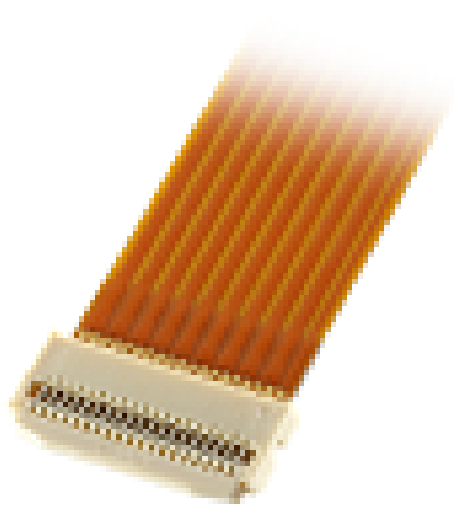
Autolocking
FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial
/ Discrete Cable



High-Speed



RF



High-Frequency



Optical
Module



High-Speed



Power



High-Power



I/O
(Input/Output)



Quick charge



Effector



Custom
Connectors
Available

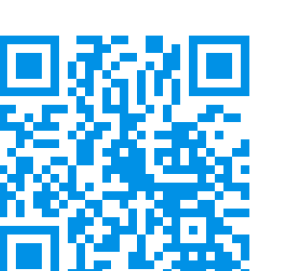
Inquiry



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