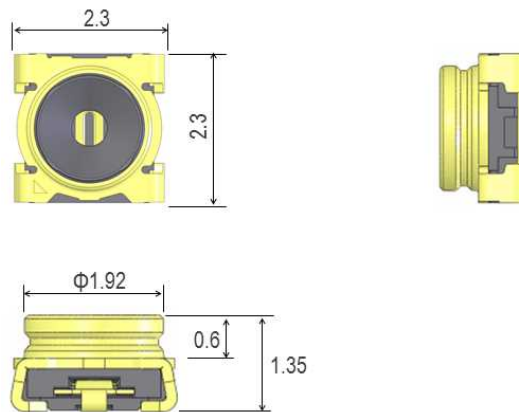




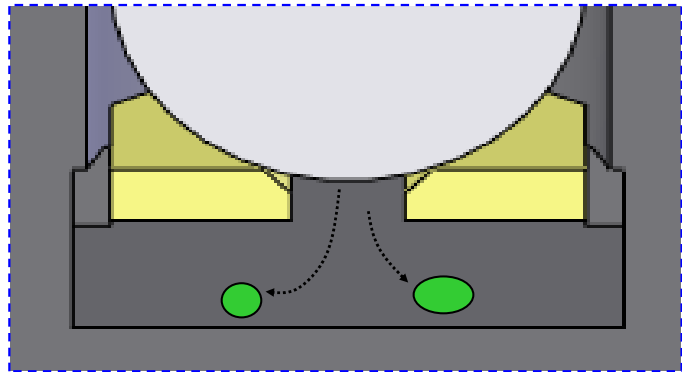
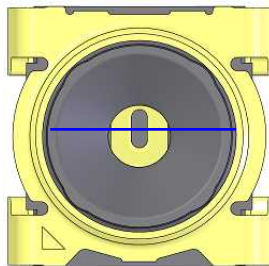
- ✓ 2.3 x 2.3 mm excellent inspection connector for RF modules with on-board antennas.
- ✓ Contaminant-resistant design prevents disruption.
- ✓ Variety of inspection probes available.

Feature		Contaminant discontinuity resistant design
Dimension (mm)		2.3 x 2.3 x 1.35 (H)
Rated power		2W max.
Frequency		DC~11.0 GHz
V.S.W.R.	DC~3.0 GHz	1.2 max. (DC ~ 2.5 GHz)
	3.0 GHz~6.0 GHz	1.3 max. (2.5 ~ 6.0 GHz)
	6.0 GHz~11.0 GHz	1.5 max.
Insertion loss	DC~3.0 GHz	0.15 dB max. (DC ~ 2.5 GHz)
	3.0 GHz~6.0 GHz	0.20 dB max. (2.5 ~ 6.0 GHz)
	6.0 GHz~11.0 GHz	0.40 dB max.

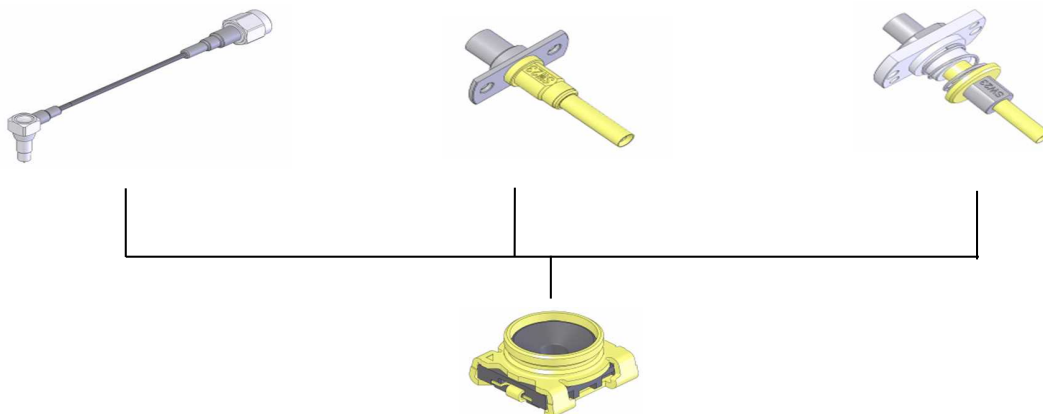
2.3 x 2.3 mm excellent Inspection connector for RF modules with on-board antennas



Contaminant-resistant design prevents disruption



Variety of inspection probes available

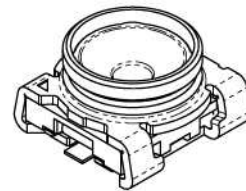
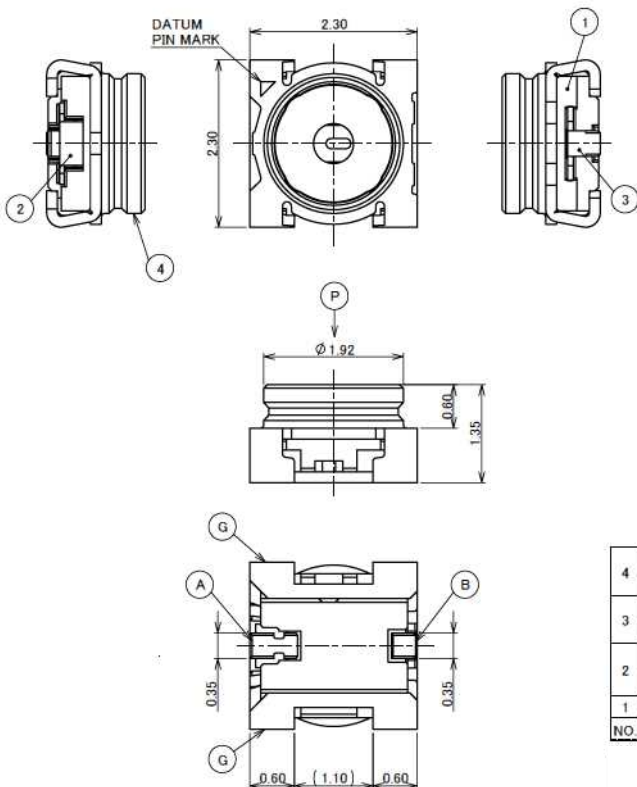


MHF[®]-SW23

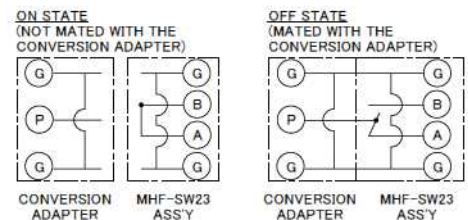
Component Parts Detail

MHF[®]-SW23

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



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

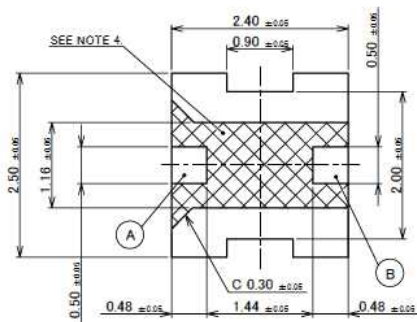


4	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.02 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.
3	CONTACT B	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.2 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.
2	CONTACT A	CORSON ALLOY	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au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

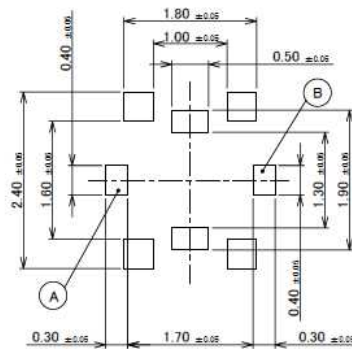
ITEMS	SPECIFICATION	
	20549-001E	20549-001E-01
CONNECTOR PART NO.	20549-001E	20549-001E-01
RATING POWER	2 W	
RATING FREQUENCY	DC ~ 11.0 GHz	
OPERATING TEMPERATURE	233 ~ 358 K (-40°C ~ +85°C)	
OPERATING HUMIDITY	90% MAX. (NON-CONDENSING)	
VSWR	1.2 MAX. AT DC ~ 2.5 GHz, 1.3 MAX. AT 2.5 GHz ~ 6.0 GHz, 1.5 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***	

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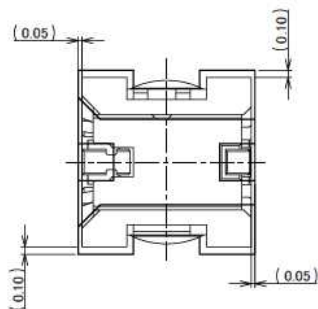
MHF®-SW23



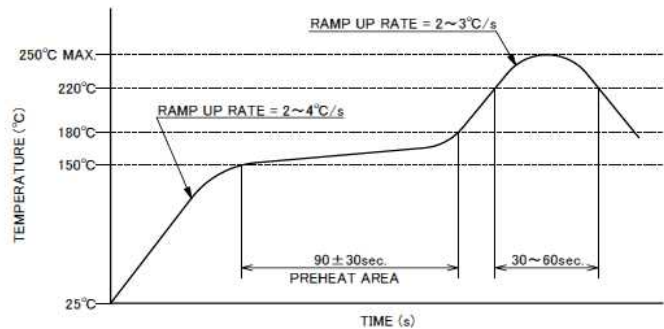
RECOMMENDED FOOTPRINT PATTERN



MASK THICKNESS: t = 0.1
METAL MASK



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



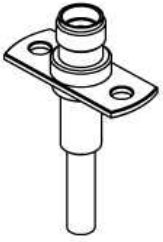
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. M705-SHF(Sn96.5 Ag3.0 Cu0.5)

NOTES

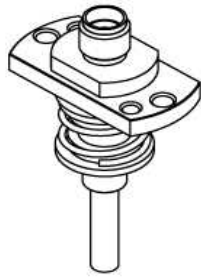
4. PATTERN AND RESIST PROHIBITION AREA

Rev.8

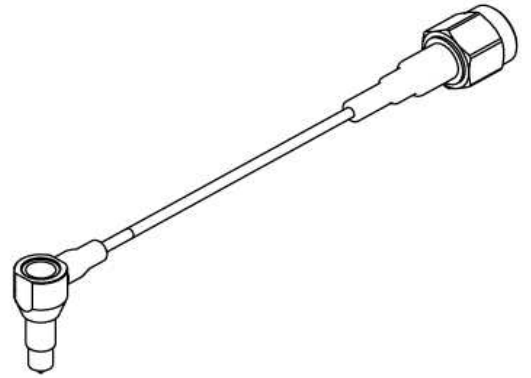
Accessories for MHF® -SW23



MHF-SW23 / HIGH CYC ADAP
PART NO. 90604-0001



MHF-SW23 / HIGH CYC ADAP FLOATING
PART NO. 90605-0001



MHF-SW23 / SMA-P CONV ADAP LOCK
PART NO. 90582-0400

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