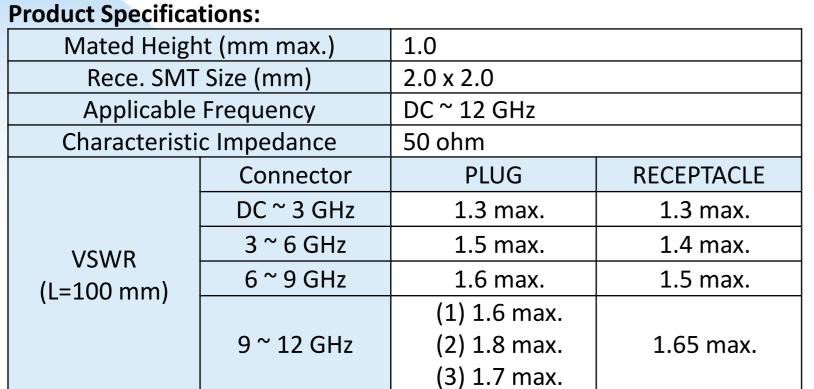
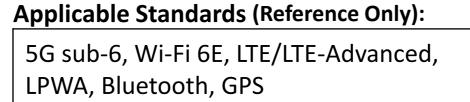
MHF® 5

저배 (결합 높이 1.0 mm max.),12 GHz까지 대응 가능



* Cable size O.D. (1) 0.48 mm, (2) 0.64 mm (3) 0.81 mm

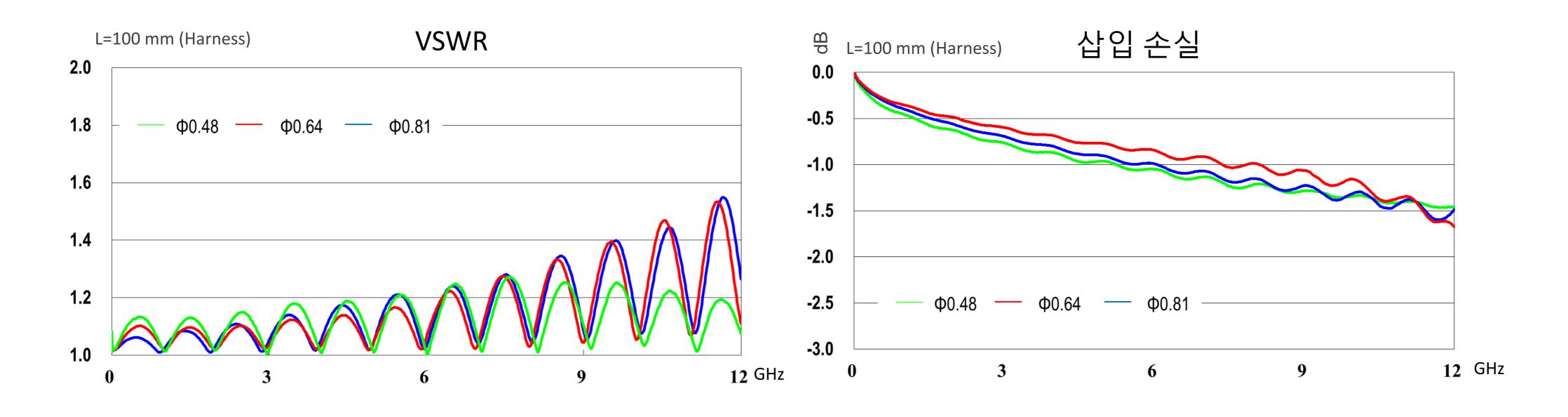




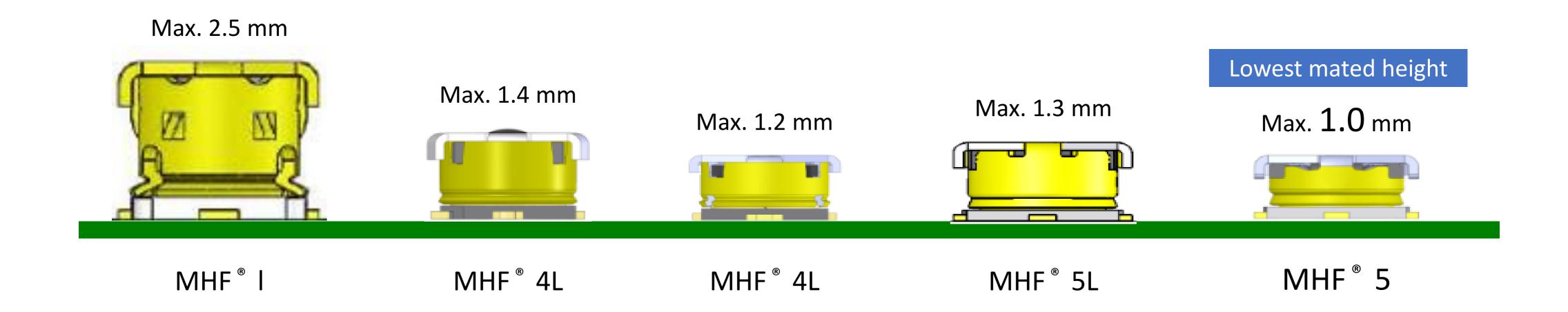




> 최소한의 제품 사이즈로, ~12GHz에서 우수한 퍼포먼스를 실현



MHF® 시리즈 중 최저배 높이



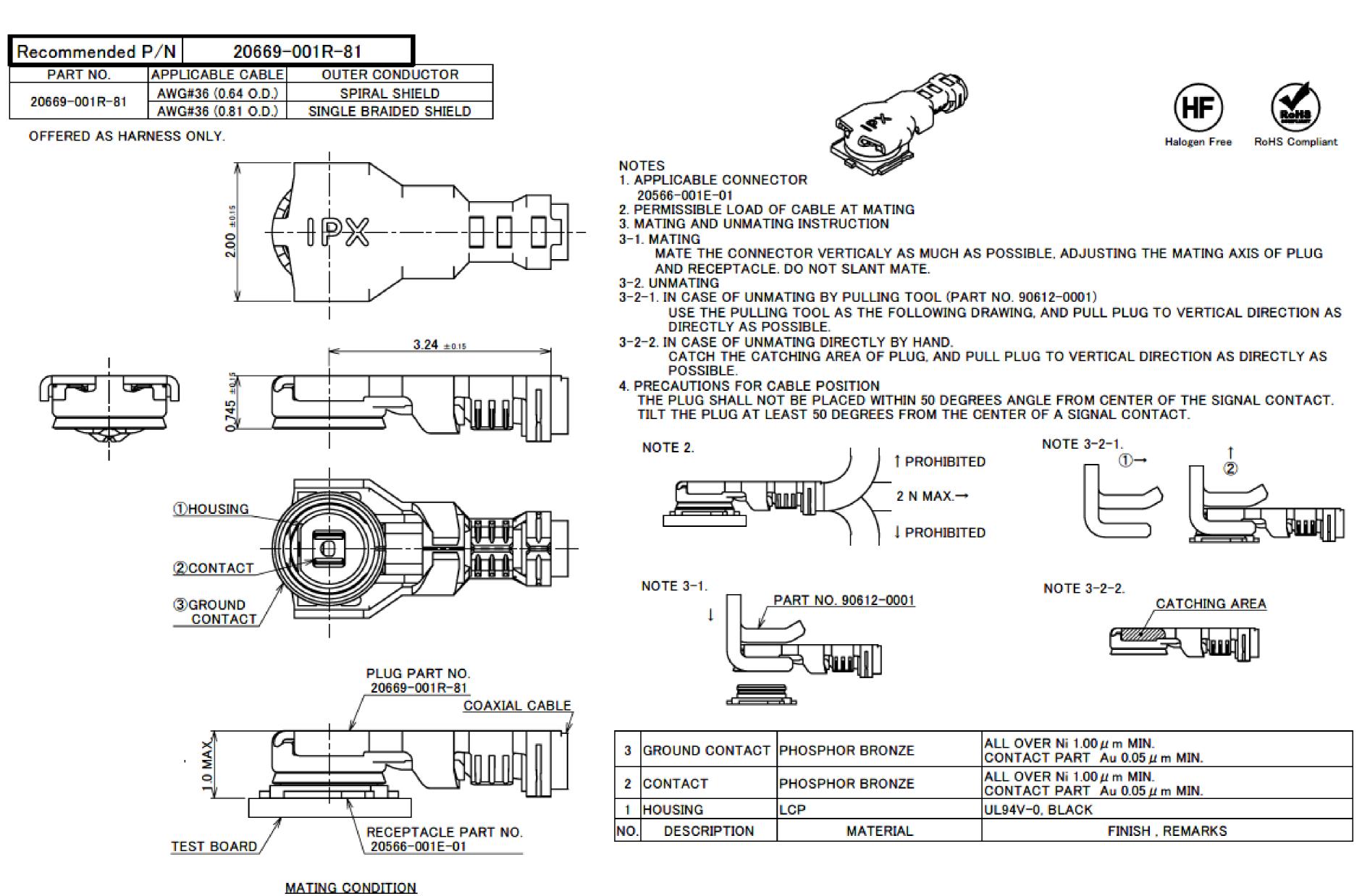
다음 케이블 : 0.81 mm (36), 0.64 mm (36), 0.48 mm (38)

Product name		MHF® 5	MHF® 5L	
Mating Height			1.0 mm max.	1.3 mm max.
Coaxial O.D. (Center Conductor AWG)	1.13 mm (AWG#32)			
	0.81 mm (AWG#33)			
	0.81 mm (AWG#36)		•	
	0.64 mm (AWG#36)			
	0.48 mm (AWG#38)			
Receptacle		MHF® 5 receptacle		



Component Parts Details

MHF® 5 plug Au (0.81,0.64)

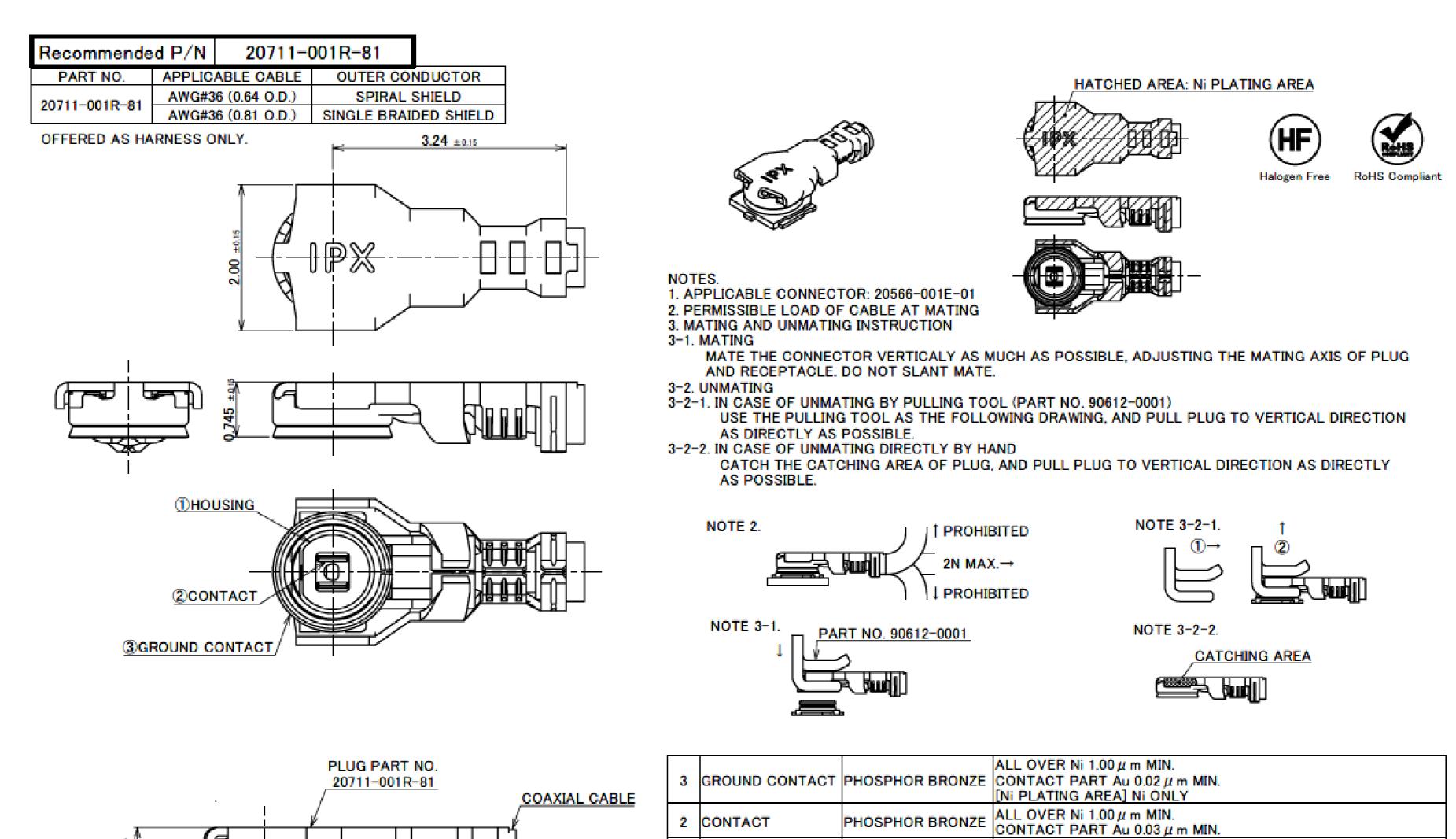




ITEMS	ITEMS SPECIFICATION				
APPLICABLE CABLE	AWG#36(0.81 O.D.)	AWG#36(0.64 O.D.)			
RECOMMENDED APPLICABLE CONNECTOR PART No.	20566-001E-01				
RATING VOLTAGE	60 V AC (R.M.S)				
RATING FREQUENCY	DC∼12 GHz				
OPERATING TEMPERATURE	233~363 K (-40°C~+90°C)				
VSWR (MATED WITH SMA ADAPTER PART No. 90543- 0001)	1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.60 MAX. AT 6~9 GHz, 1.70 MAX. AT 9~12 GHz	1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.60 MAX. AT 6~9 GHz, 1.80 MAX. AT 9~12 GHz			
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX.				
GROUND CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX.				
INSULATION RESISTANCE	INITIAL: 500 Mohm MIN. / AFTER TEST: 100 Mohm MIN.				
DIELECTRIC WITHSTANDING VOLTAGE	200 V AC, 1 MINUTE				
DURABILITY	30 CYCLES				
JNMATING FORCE (INITIAL / AFTER TEST)	INITIAL: 4 N MIN. / AFTER TEST: 2 N MIN.				
CRIMP STRENGTH	7 N MIN.				
PRODUCT SPECIFICATION	PRS-2532	PRS-2782			
TEST REPORT	TR-18089	TR-22018			
INSTRUCTION MANUAL	HIM-16014				
APPEARANCE CRITERIA No.	QLS-A***				

Rev.4

MHF® 5 plug Ni top (0.81,0.64)





1 HOUSING

RECEPTACLE PART NO. 20566-001E-01

MATING CONDITION

DESCRIPTION

LCP

MATERIAL

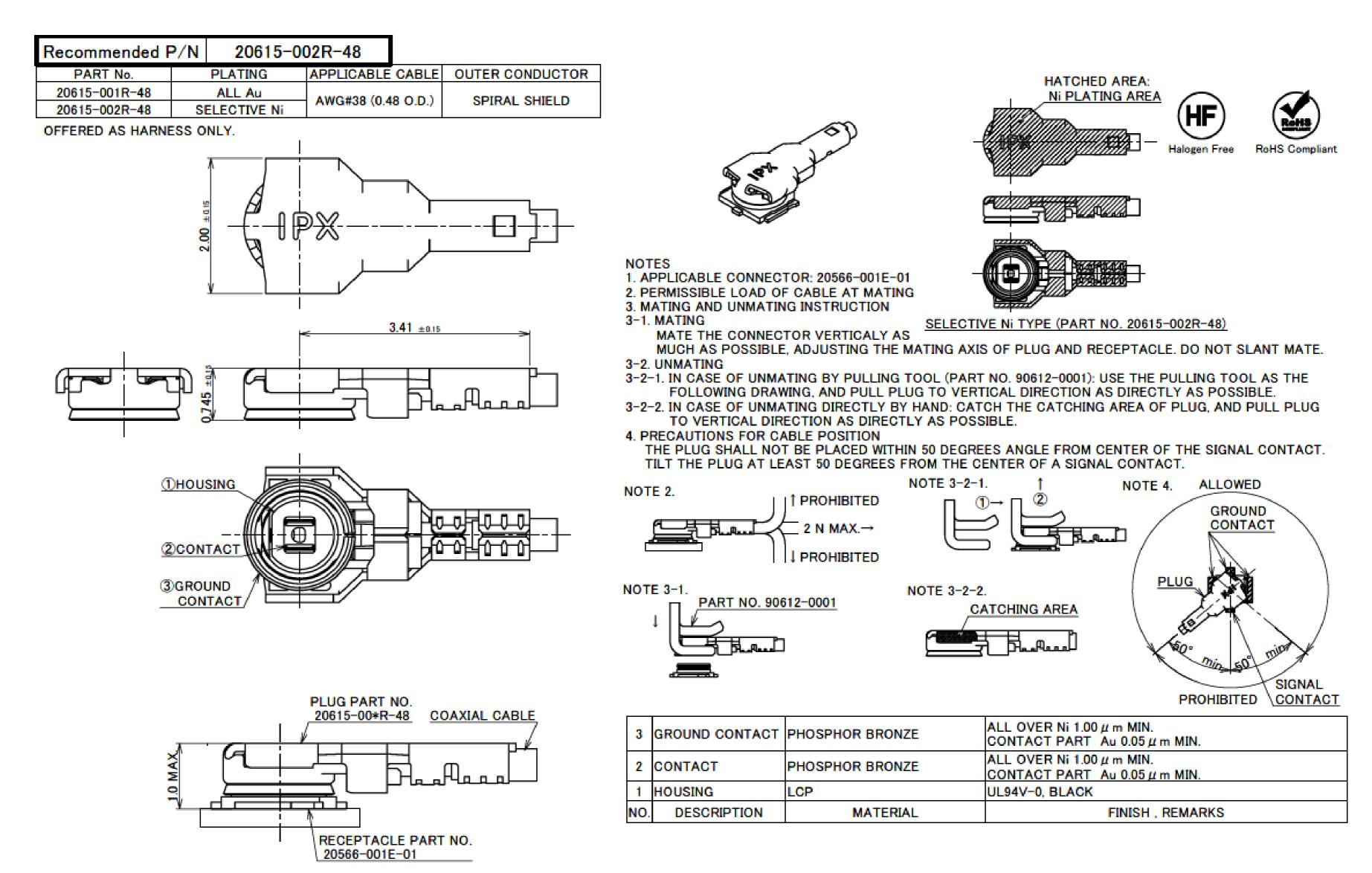
UL94V-0, BLACK

FINISH, REMARKS

ITEMS	SPECIFICATION			
APPLICABLE CABLE	AWG#36 (0.81 O.D.) *RECOMMENDED	AWG#36 (0.64 O.D.)		
RECOMMENDED APPLICABLE CONNECTOR PART No.	20566-001E-01			
RATING VOLTAGE	60 V AC (R.M.S)			
RATING FREQUENCY	DC~12 GHz			
OPERATING TEMPERATURE	233~363 K (-40°C~+90°C)			
VSWR (MATED WITH SMA ADAPTER PART No. 90543-0001)	1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.60 MAX. AT 6~9 GHz, 1.70 MAX. AT 9~12 GHz	1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT3 ~6 GHz, 1.60 MAX. AT 6~9 GHz, 1.80 MAX. AT 9~12 GHz		
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX.			
GROUND CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 100 mohm MAX.			
INSULATION RESISTANCE	INITIAL: 500 Mohm MIN. / AFTER TEST: 100 Mohm MIN.			
DIELECTRIC WITHSTANDING VOLTAGE	200 V AC, 1 MINUTE			
DURABILITY	30 CYCLES			
UNMATING FORCE (INITIAL / AFTER TEST)	INITIAL: 4 N MIN. / AFTER TEST: 2 N MIN.			
CRIMP STRENGTH	7 N MIN.			
PRODUCT SPECIFICATION	PRS-2108	PRS-2109		
TEST REPORT	TR-15062 TR-15063			
INSTRUCTION MANUAL	HIM-16013			
APPEARANCE CRITERIA No.	QLS-A***			

Rev.6

MHF® 5 PLUG Ni top (0.48)





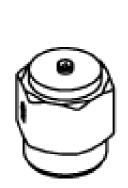
MATING CONDITION

MHF® 5 PLUG Ni top (0.48)

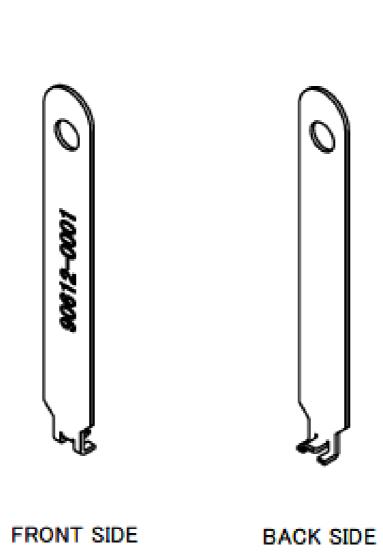
ITEMS	SPECIFICATION			
PLUG PART No.	20615-001R-48 (ALL Au PLATING TYPE)	20615-002R-48 (SELECTIVE Ni PLATING TYPE)		
RECOMMENDED APPLICABLE CONNECTOR PART No.	20566-001E-01			
RATING VOLTAGE	60 V AC (R.M.S)			
RATING FREQUENCY	DC∼12 GHz			
OPERATING TEMPERATURE	233~363 K (-40°C~+90°C)			
VSWR (MATED WITH SMA ADAPTER PART No. 90543-0001)	1.30 MAX. AT 0.1 ~ 3 GHz, 1.50 MAX. AT 3 ~ 6 GHz, 1.60 MAX. AT 6 ~ 12 GHz			
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX.			
GROUND CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX.			
INSULATION RESISTANCE	INITIAL: 500 Mohm MIN. / AFTER TEST: 100 Mohm M			
DIELECTRIC WITHSTANDING VOLTAGE	200 V AC, 1 MINUTE			
DURABILITY	30 CYCLES			
UNMATING FORCE (INITIAL / AFTER TEST)	INITIAL: 4 N MIN. / AFTER TEST: 2 N MIN.			
CRIMP STRENGTH	7 N MIN.			
PRODUCT SPECIFICATION	PRS-1939	PRS-2032		
TEST REPORT	TR-14026	TR-15029		
INSTRUCTION MANUAL	HIM-	-13003		
APPEARANCE CRITERIA No.	QLS-A***			

Rev.7

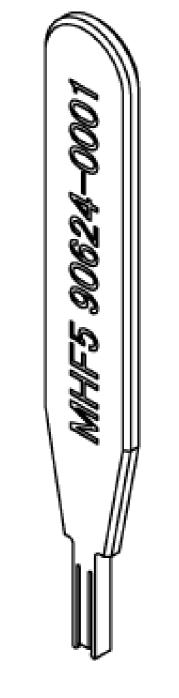
MHF® 5 PLUG Ni top



MHF 5 SMA ADAPTOR PART NO. 90543-0001



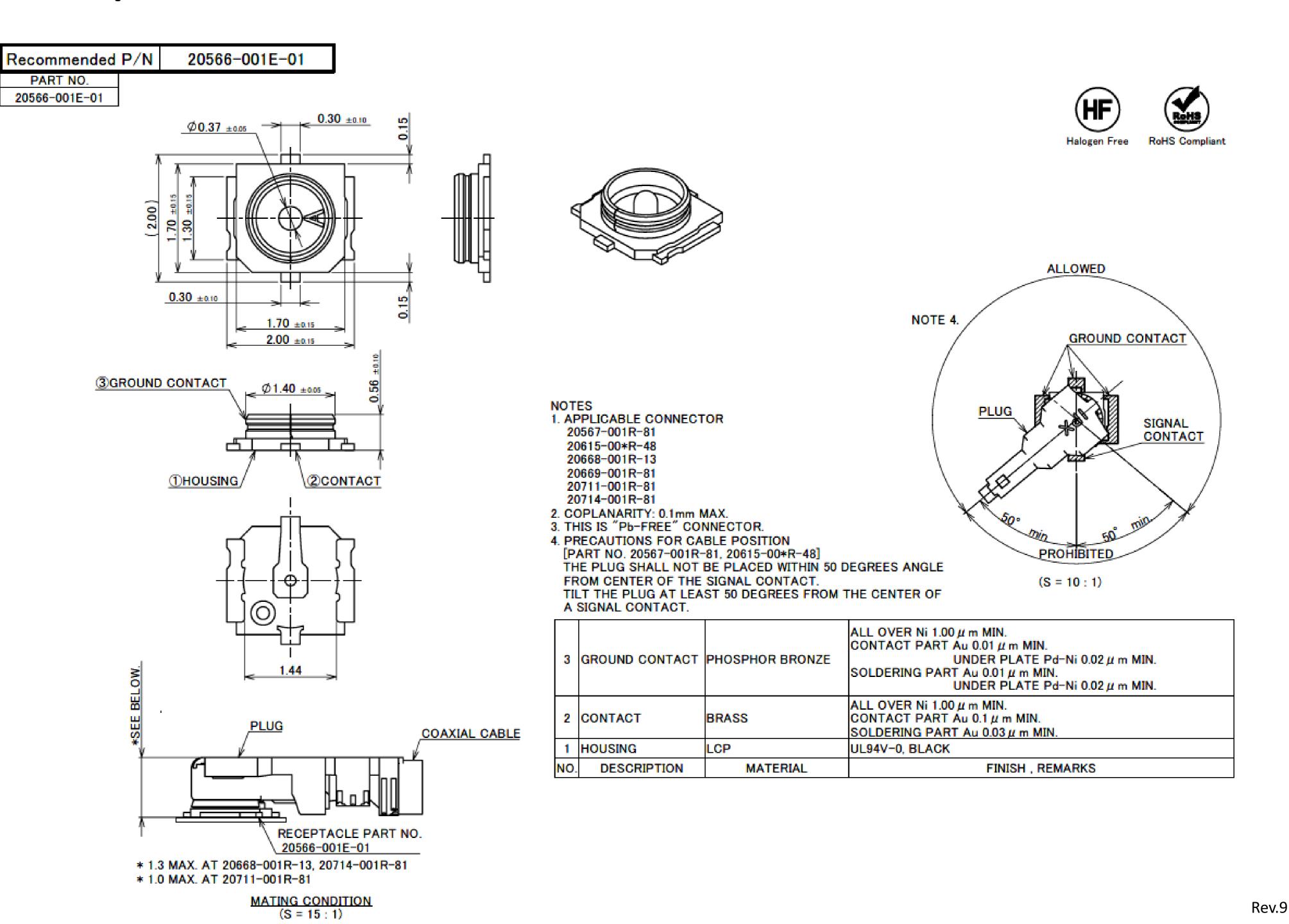
MHF 5 PUSHING AND PULLING TOOL PART NO. 90612-0001



MHF 5 PUSHING TOOL PART NO. 90624-0001



MHF® 5 Receptacle

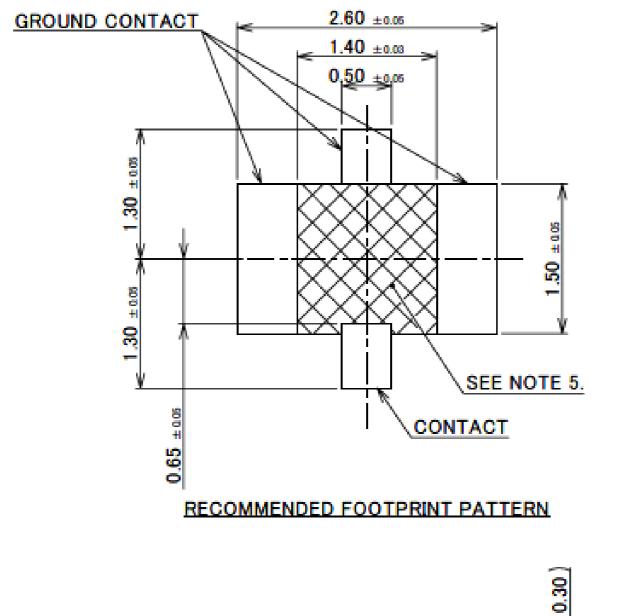


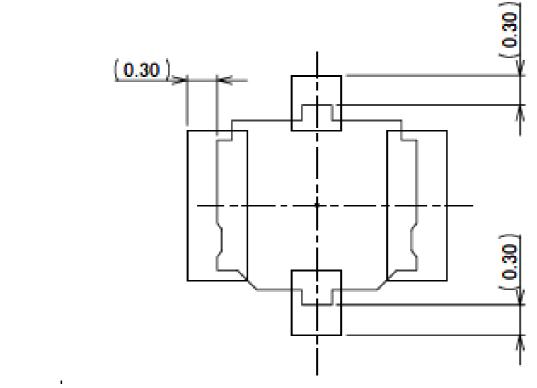
MHF® 5 Receptacle

ITEMS	SPECIFICATION						
RECOMMENDED APPLICABLE CONNECTOR PART No.	20668-001R-13	20711-001R-81 (CABLE AWG#36 φ 0.81)	20714-001R-81	20711-001R-81 (CABLE AWG#36 φ 0.64)	20615-001R-48 (ALL Au PLATING TYPE)		
RATING VOLTAGE	60 V AC (R.M.S)						
RATING FREQUENCY	DC∼15 GHz						
OPERATING TEMPERATURE	233~363 K (-40°C~+90°C)						
VSWR (MATED WITH SMA ADAPTER PART No. 90543-0001)	1.30 MAX. AT 0.1~3 GHz, 1.40 MAX. AT 3~6 GHz, 1.50 MAX. AT 6~12 GHz, 1.65 MAX. AT 12~15 GHz						
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ∠R 20 mohm MAX.						
GROUND CONTACT RESISTANCE	INITIAL: 20 mohrs MAY / AETER TEST: 4D 100 mohrs MAY				INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX.		
INSULATION RESISTANCE	INITIAL: 500 Mohm MIN. / AFTER TEST: 100 Mohm MIN.						
DIELECTRIC WITHSTANDING VOLTAGE	200 V AC, 1 MINUTE						
DURABILITY	30 CYCLES						
UNMATING FORCE (INITIAL / AFTER TEST)	INITIAL: 5 N MIN. AFTER TEST: 3 N MIN.	INITIAL: 4 N MIN. AFTER TEST: 2 N MIN.	INITIAL: 5 N MIN. AFTER TEST: 3 N MIN.	INITIAL: 4 N MIN. AFTER TEST: 2 N MIN.	INITIAL: 4 N MIN. AFTER TEST: 2 N MIN.		
PRODUCT SPECIFICATION	PRS-2192	PRS-2108	PRS-2236	PRS-2109	PRS-1939		
TEST REPORT	TR-16003	TR-15062	TR-16049	TR-15063	TR-14026		
PACKING STANDARD	PST-12036						
INSTRUCTION MANUAL	HIM-16014	HIM-16013	HIM-16014	HIM-16013	HIM-13003		
APPEARANCE CRITERIA No.	QLS-A***						

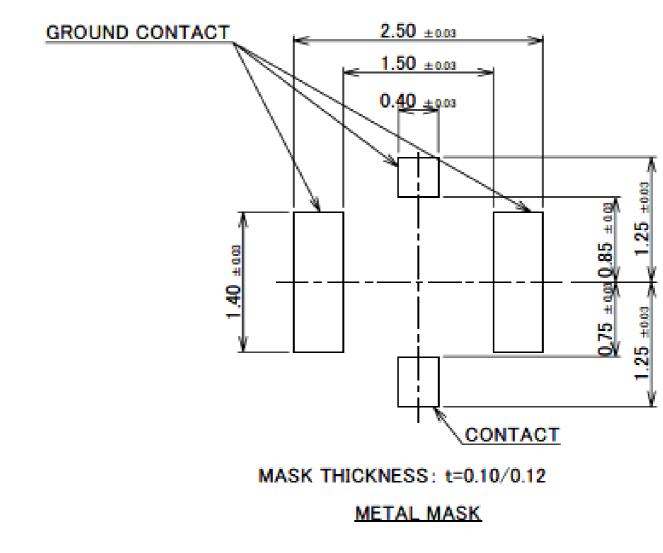


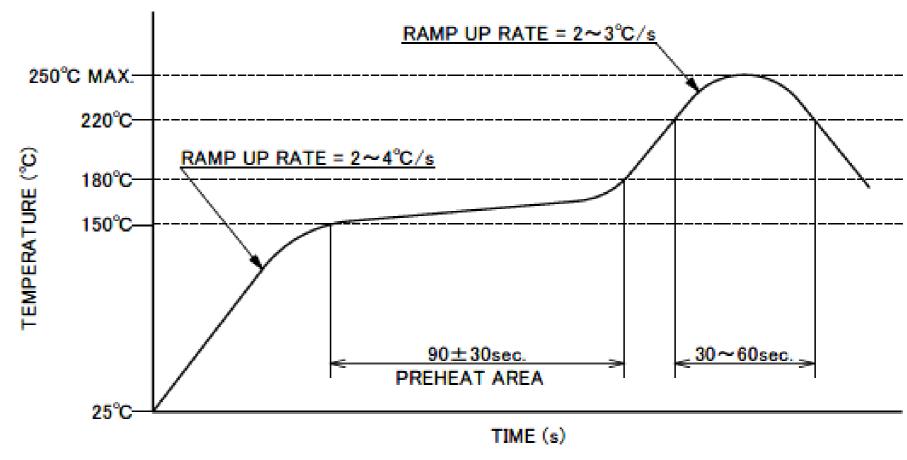
MHF® 5 Receptacle





CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN





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

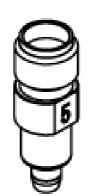
NOTES. 5. NO GROUND, SIGNAL, AND RESIST IN THIS AREA.

Rev.9

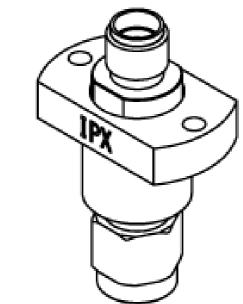
Accessories for MHF® 5 Receptacle



MHF 5 SMA ADAPTER PART NO. 90543-0001

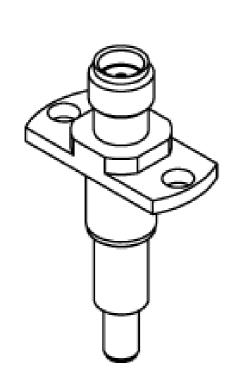


MHF 5 RECEPTACLE HIGH CYCLE ATTACHMENT
PART NO. 90690-0001



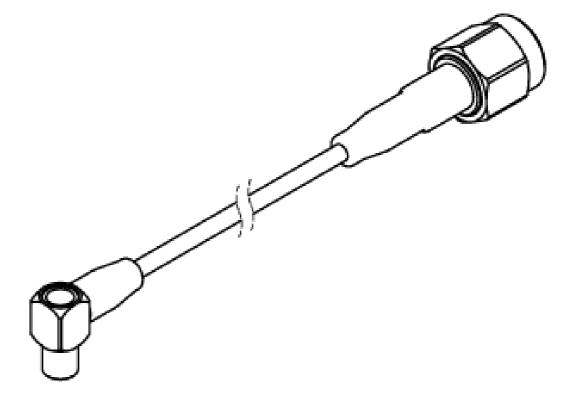
MHF SERIESE HIGH CYCLE ADAP BASE UNIT PART NO. 90684-0001

* 90690-0001 AND 90684-0001 SHOULD BE USED TOGETHER.



MHF 5 RECEPTACLE HIGH CYCLE SMA ADAPTER
PART NO. 90793-0001

MHF 5 RECEPTACLE HIGH CYCLE N45 C ADAPTER
PART NO. 90847-0001

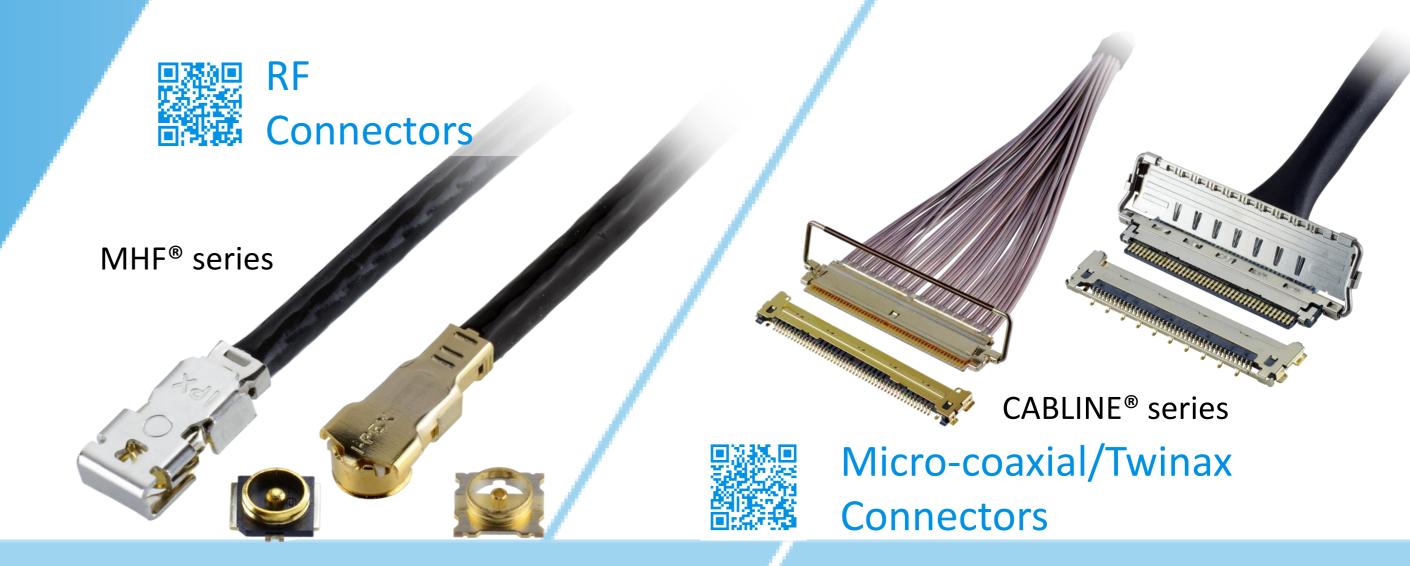


MHF SERIES N45 C TO SMA ADAPTER CABLE
PART NO. 90577-****

* 90847-0001 AND 90577-**** SHOULD BE USED TOGETHER.



Custom
Connectors
Available

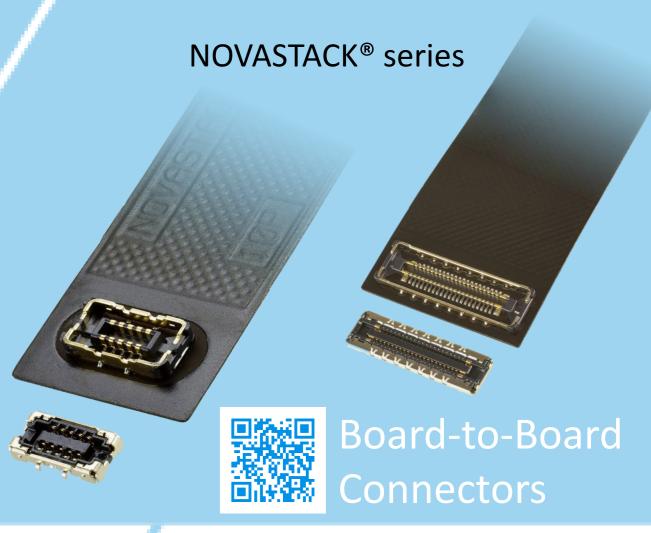




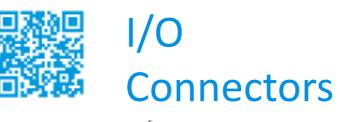
AP series

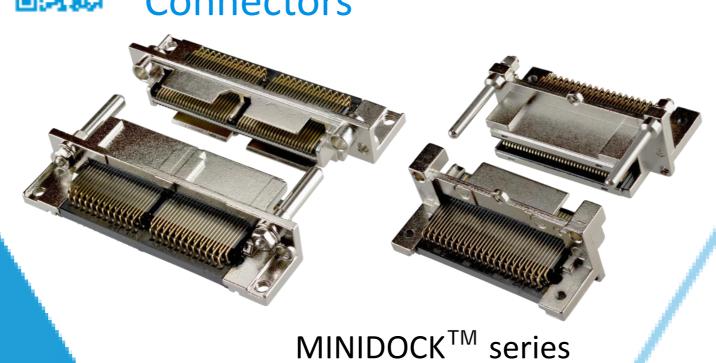






MINIFLEX® series















EVAFLEX® series

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