#### Micro RF Coaxial Connector

# MHF<sup>®</sup> I

Product Specifications:				
Mated Heigh	it (mm max.)	(1) 2.5 (2) 3.0	202	
Rece. SMT	Size (mm)	3.1 x 3.0		0.D
Applicable	Frequency	DC ~ 9 GHz		0.D
Characteristi	c Impedance	50 ohm		0.D
	Connector	PLUG	RECEPTACLE	203
	DC $\sim$ 3 GHz	1.3 max.	1.3 max.	0.D
VSWR	$3\sim$ 6 GHz	1.5 max.	1.4 max.	207
(L=100 mm)	·		1.0 may	O.D.
	6 $\sim$ 9 GHz	(2) 1.6 max.	1.8 max.	Appli

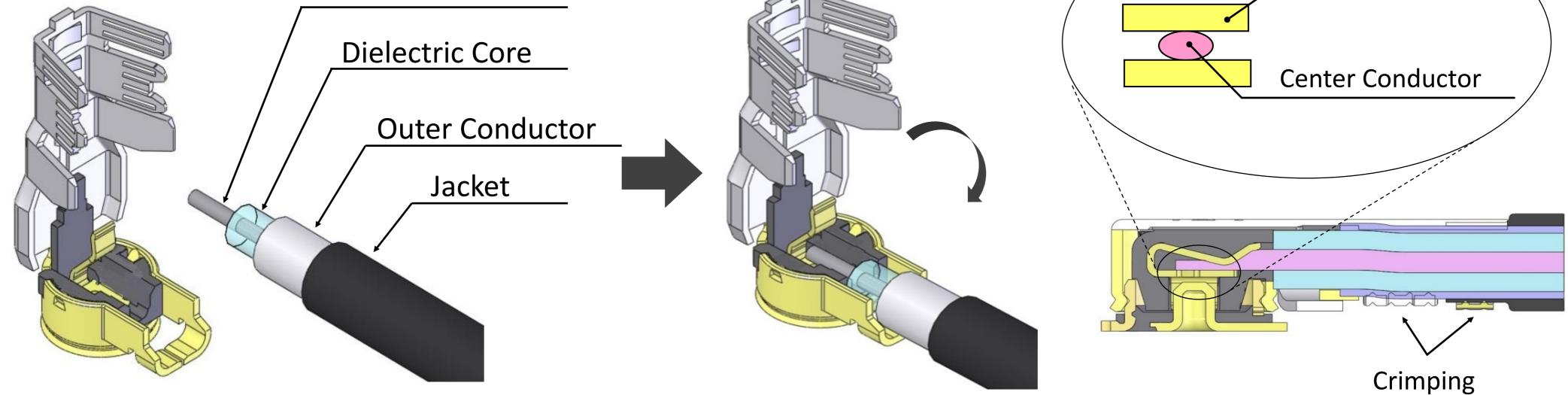
\* Please inquire for pin counts not listed or outside of the pin count range. \* Cable size O.D. (1) 1.80 mm, 1.32 mm, 1.13 mm, 0.81 mm, 1.37 mm (2) 2.0 mm

#### licable Cable Size:

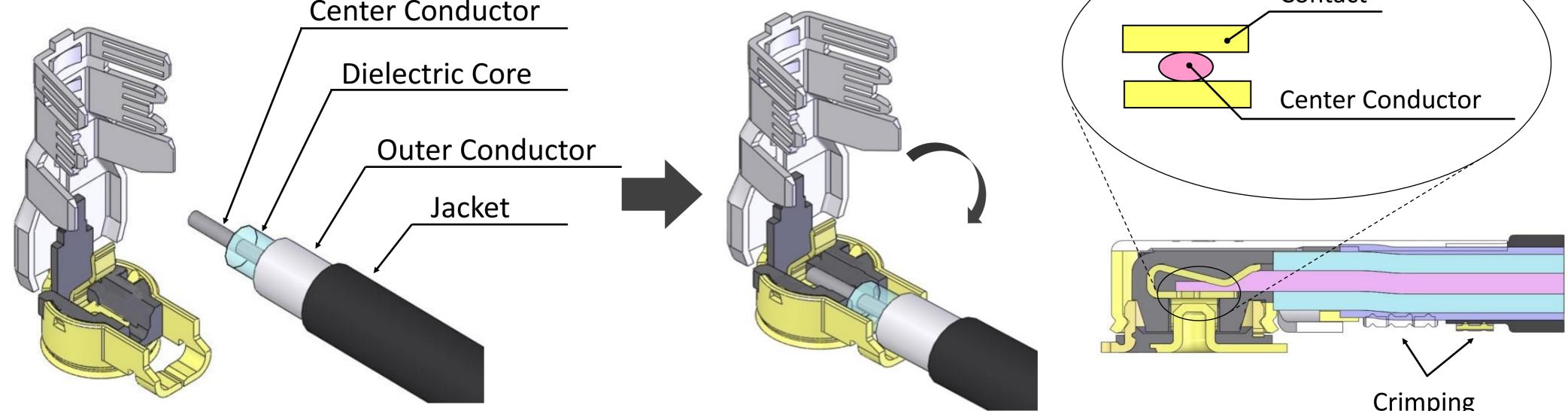
78-112R-\*\*, 20670-001R-\*\* . 1.80 mm / AWG 30 . 1.32 mm, 1.13 mm / AWG 32 0.81 mm / AWG 36 51-112R-37 . 1.37 mm / AWG 30 67-001R-20 . 2.0 mm / AWG 26 icable Standards (Reference Only): 5G sub-6, Wi-Fi 6E, LTE/LTE-Advanced, LPWA, Bluetooth, GPS

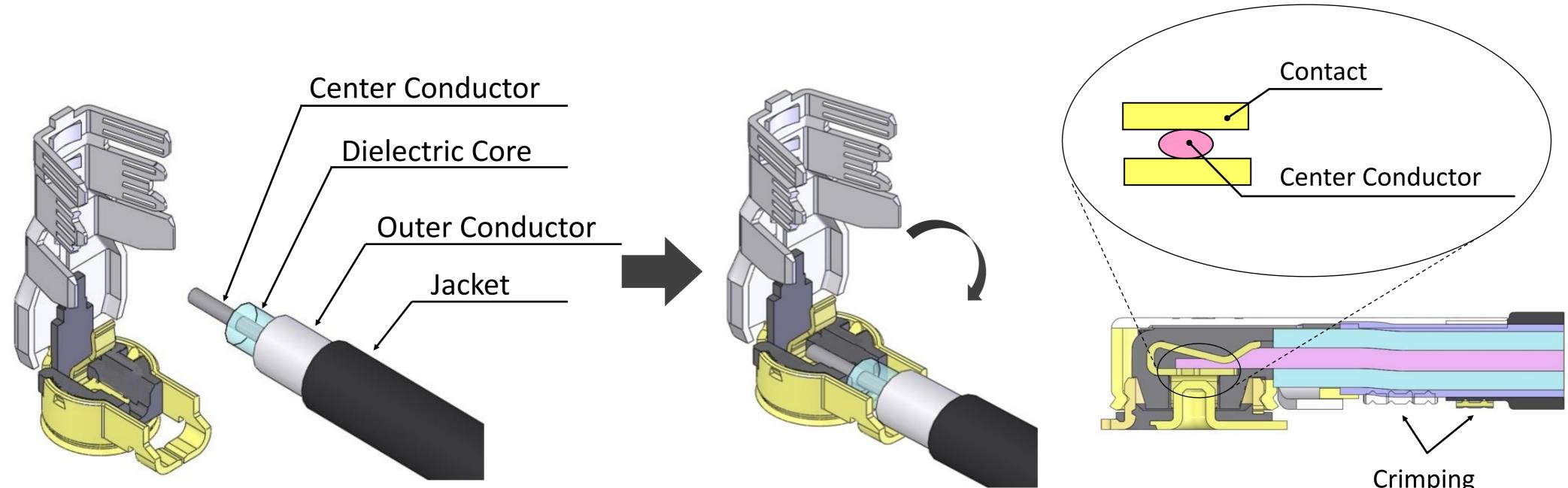


### Solderless micro-coax termination technology "i-Fit<sup>®</sup>" provides consistent performance

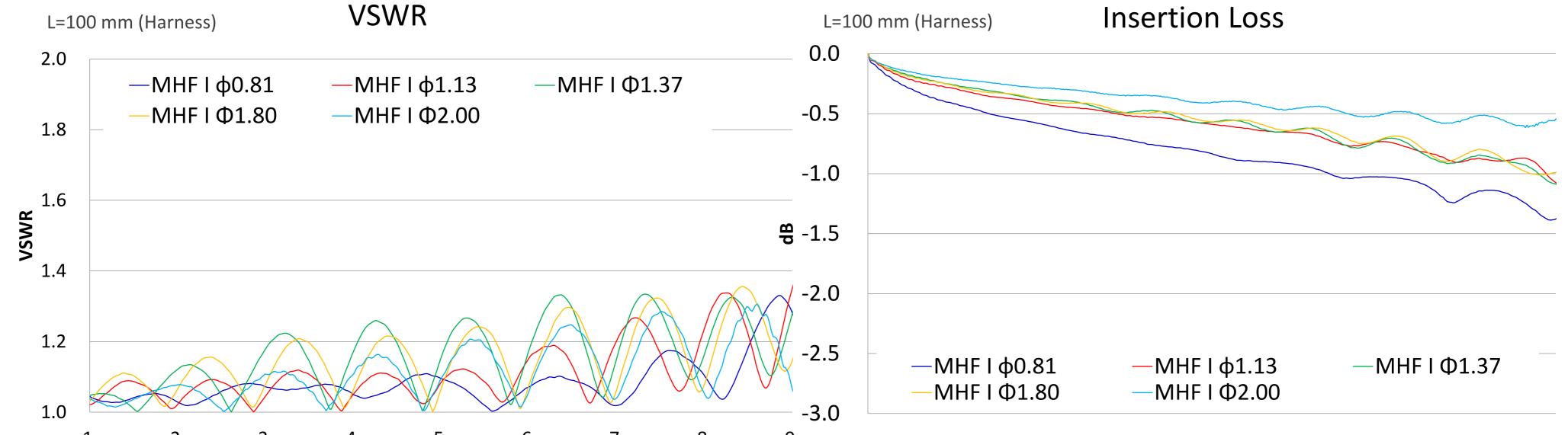






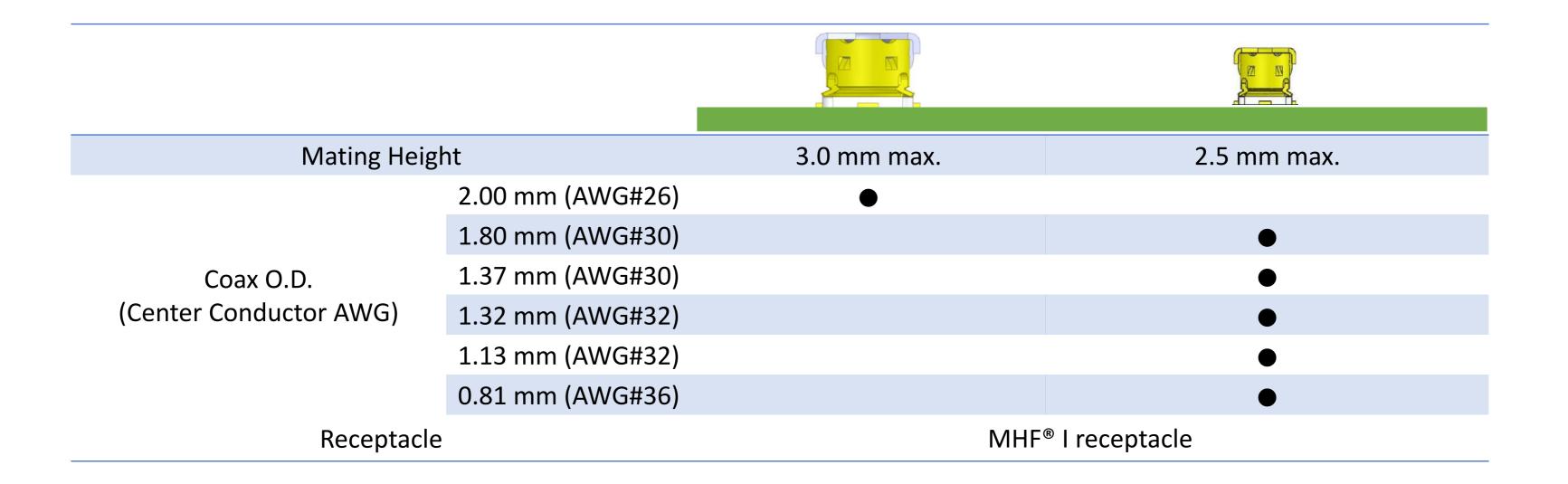


#### Small form factor with big performance through 9 GHz



#### 1 2 3 6 8 9 2 0 1 3 5 7 8 9 6 4 GHz GHz

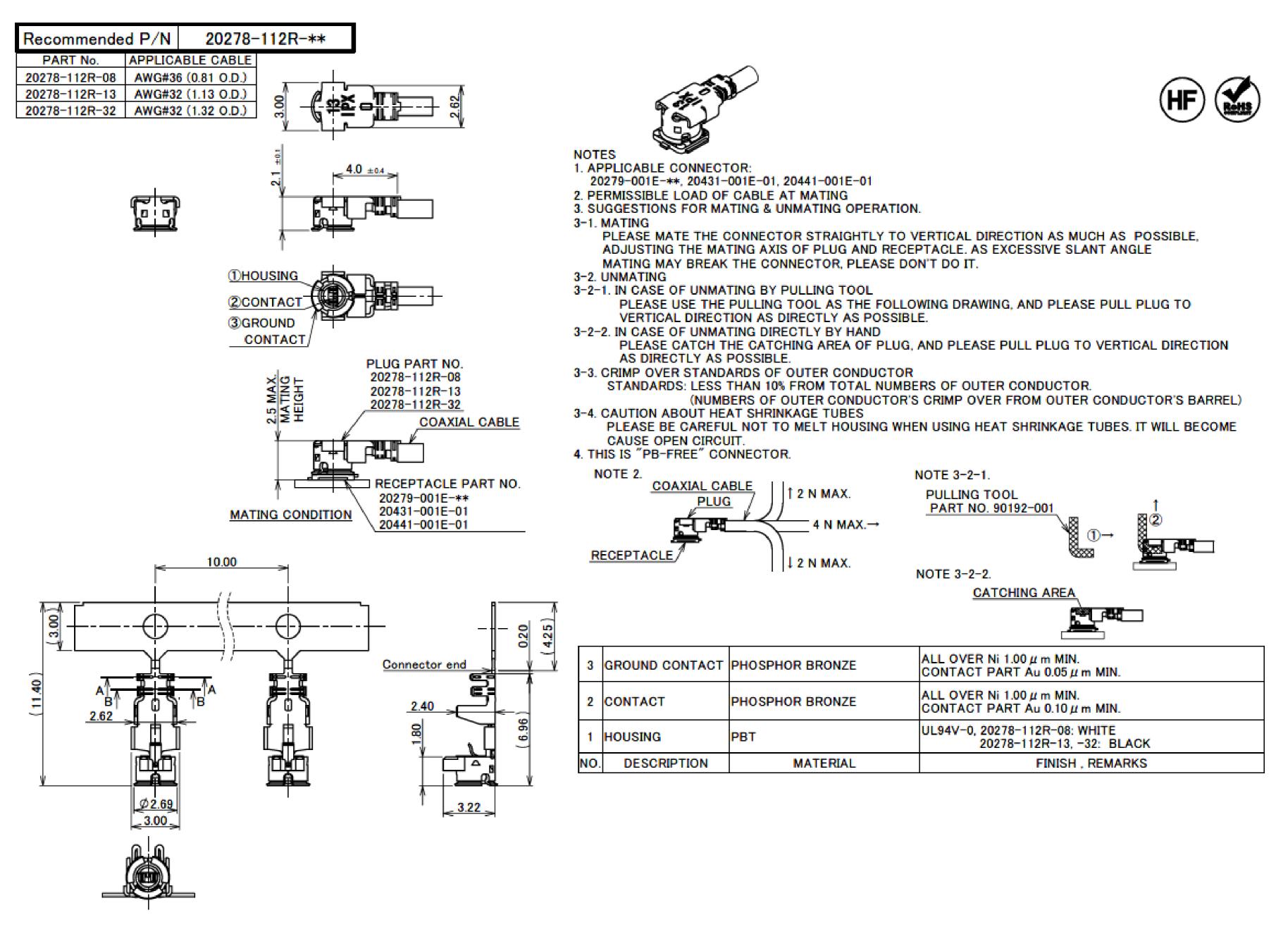
#### MHF<sup>®</sup> I Plug available cable O.D. : 2.0 mm, 1.80 mm, 1.37 mm, 1.32 mm, 1.13 mm, 0.81 mm





# **Component Parts Details**

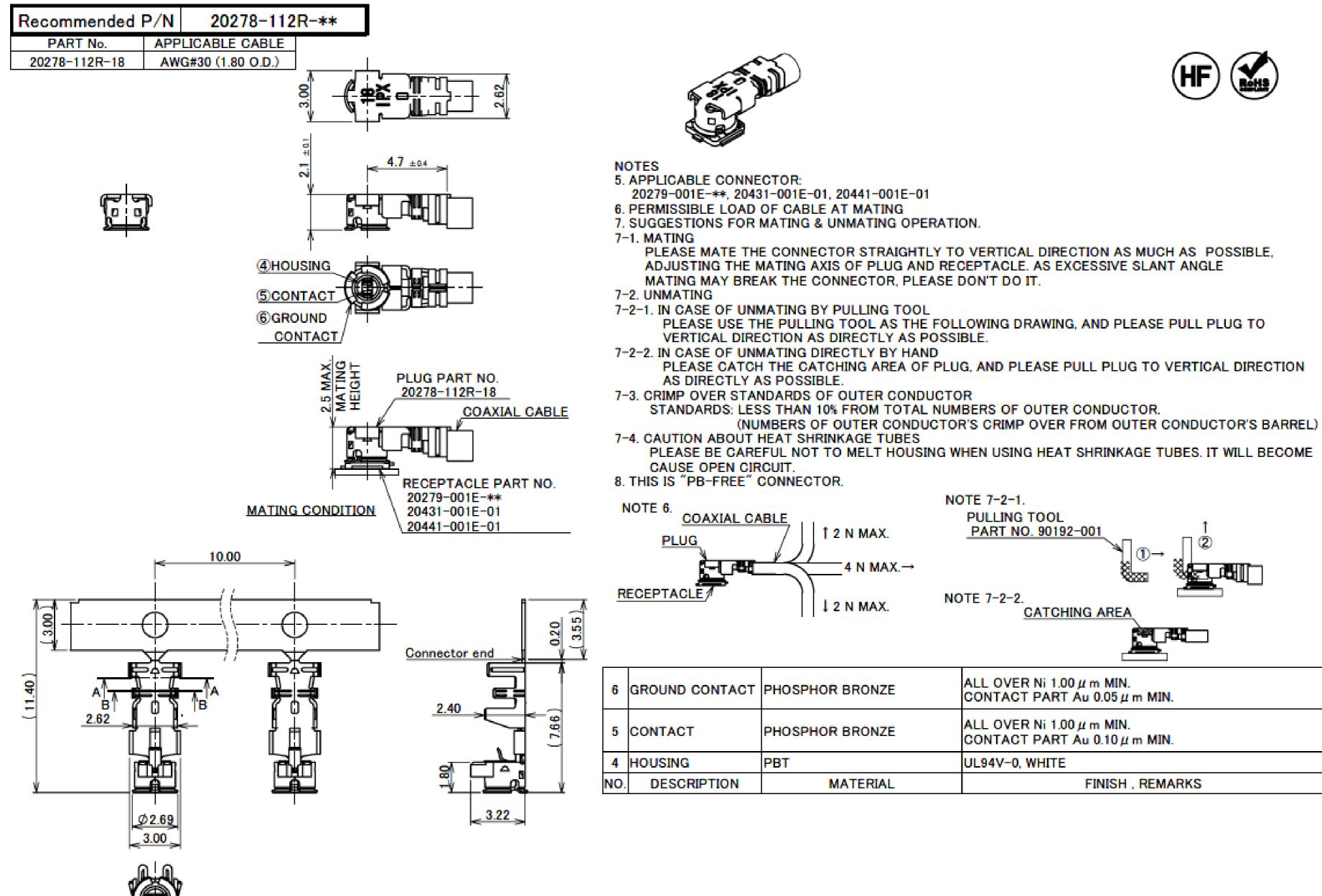
### MHF<sup>®</sup> I plug Au (0.81,1.13,1.32,1.80)



Rev.29

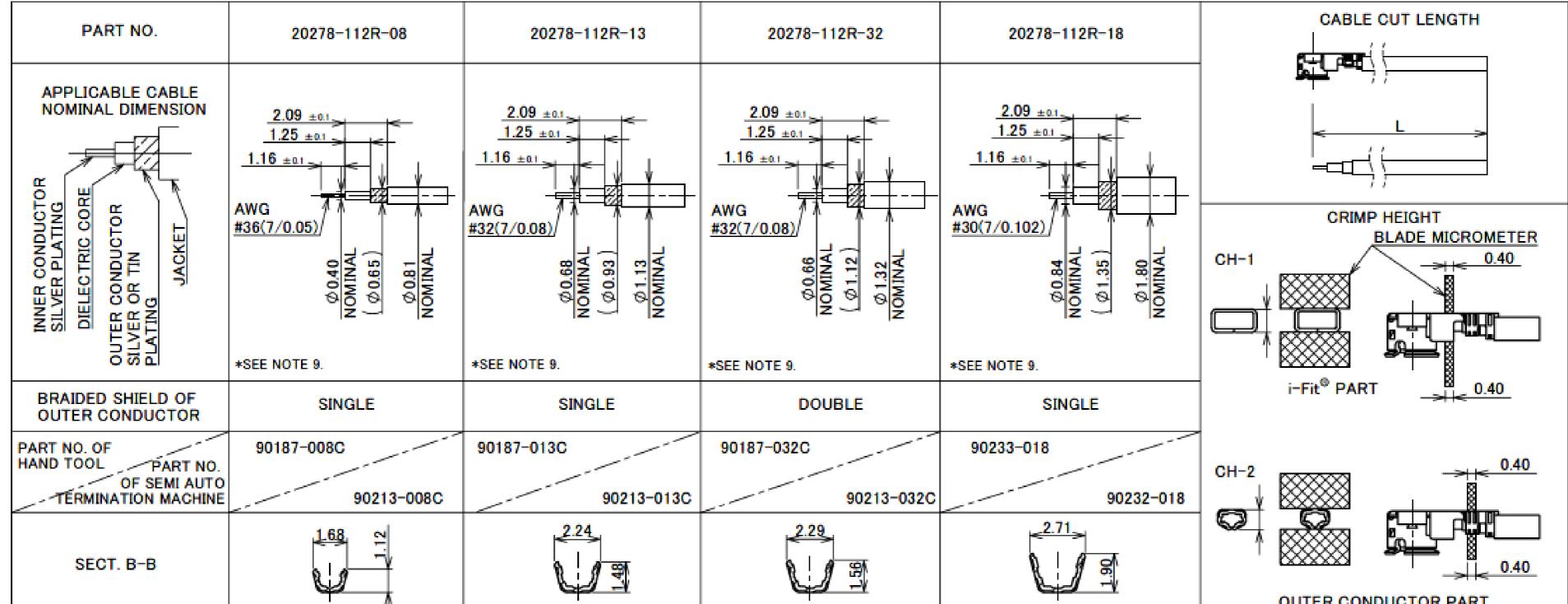
# I-PEX

### <u>MHF<sup>®</sup> I plug Au (0.81,1.13,1.32,1.80)</u>



	- SILUNIALI IPPUSPOUR BRUNZE		POUSPOUR BRUNZE	ALL OVER Ni 1.00 $\mu$ m MIN. CONTACT PART Au 0.10 $\mu$ m MIN.	
	4	HOUSING	PBT	UL94V-0, WHITE	
ľ	ΝΟ.	DESCRIPTION	MATERIAL	FINISH , REMARKS	

Rev.29



		' ^				OUTER CONDUCTOR PART
SECT. A-A			2.28	2.37	3.10	
	CH-1	1.34~1.40	1.34~1.40	1.34~1.40	1.34~1.40	
CRIMP HEIGHT	CH-2	0.76~0.84	1.06~1.14	1.20~1.30	1.41~1.49	
	CH-3	0.85~0.97	1.15~1.35	1.26~1.46	1.70~1.80	JACKET PART

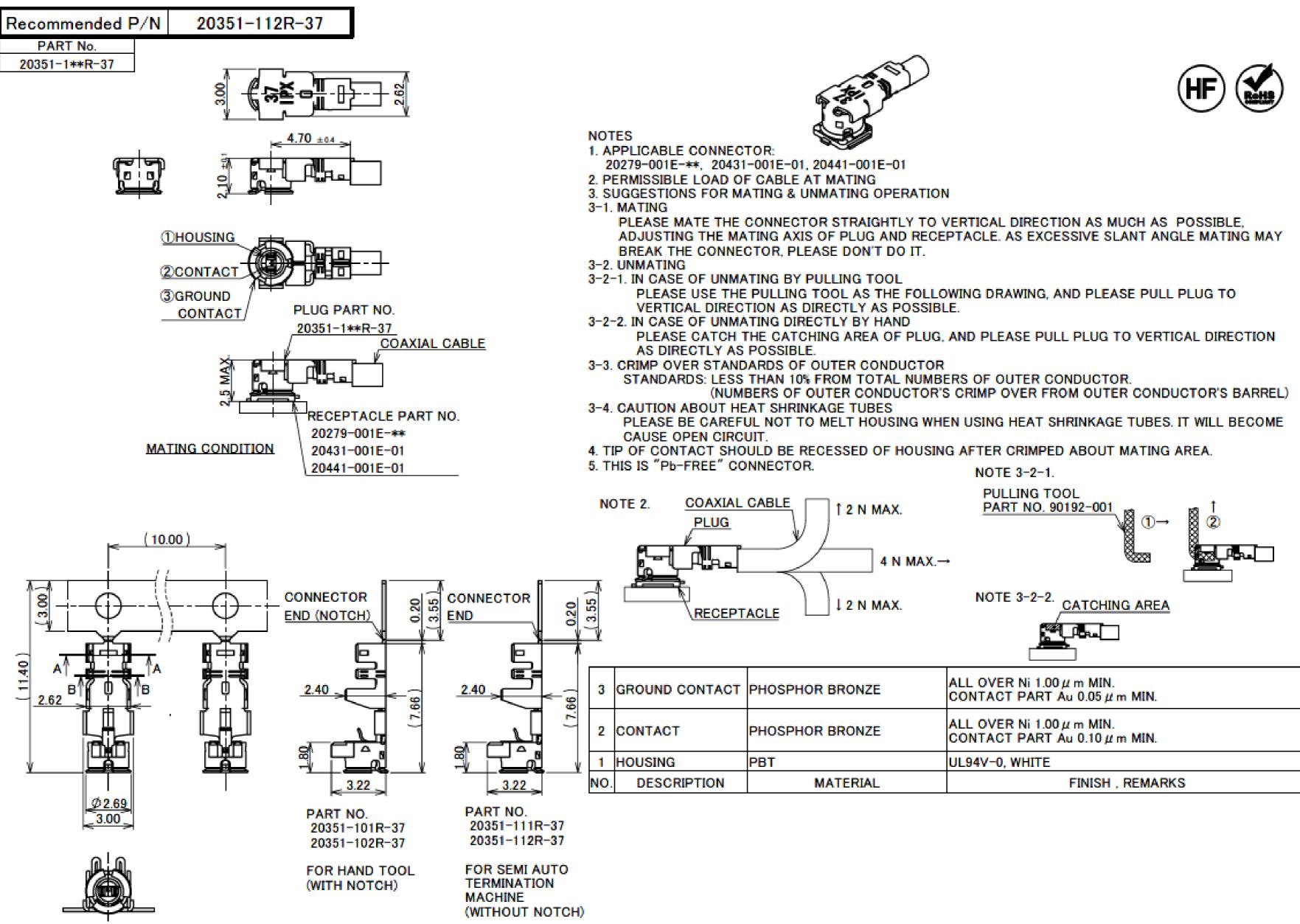
#### NOTE 9. MUST NOT USE SOLDER COATED INNER CONDUCTOR AND OUTER CONDUCTOR.

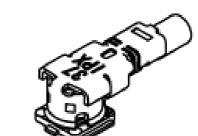
### <u>MHF<sup>®</sup> I plug Au (0.81,1.13,1.32,1.80)</u>

ITEMS	SPECIFICATION		
RECOMMENDED APPLICABLE CONNECTOR PART No.	20279-001E-**		
RATING VOLTAGE	60 V AC (R.M.S)		
RATING FREQUENCY	DC~9GHz		
OPERATING TEMPERATURE	233∼363 K (-40°C~+90°C)		
VSWR	1.3 MAX. AT 0.1~3 GHz, 1.5 MAX. AT 3~6 GHz, 1.9 MAX. AT 6~9 GHz		
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: 25 mohm MAX.		
GROUND CONTACT RESISTANCE	INITIAL: 10 mohm MAX. / AFTER TEST: 15 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)	5 N MIN. / 3 N MIN.		
CRIMP STRENGTH	20278-112R-08, 20278-112R-13, 20278-112R-32: 10 N MIN. 20278-112R-18: 15 N MIN.		
PRODUCT SPECIFICATION	PRS-1676		
TEST REPORT	TR-12044		
PACKING STANDARD	300-233		
INSTRUCTION MANUAL	HIM-10002		

APPEARANCE CRITERIA No.	QLS-A***

# <u>MHF<sup>®</sup> I plug Au (1.37)</u>



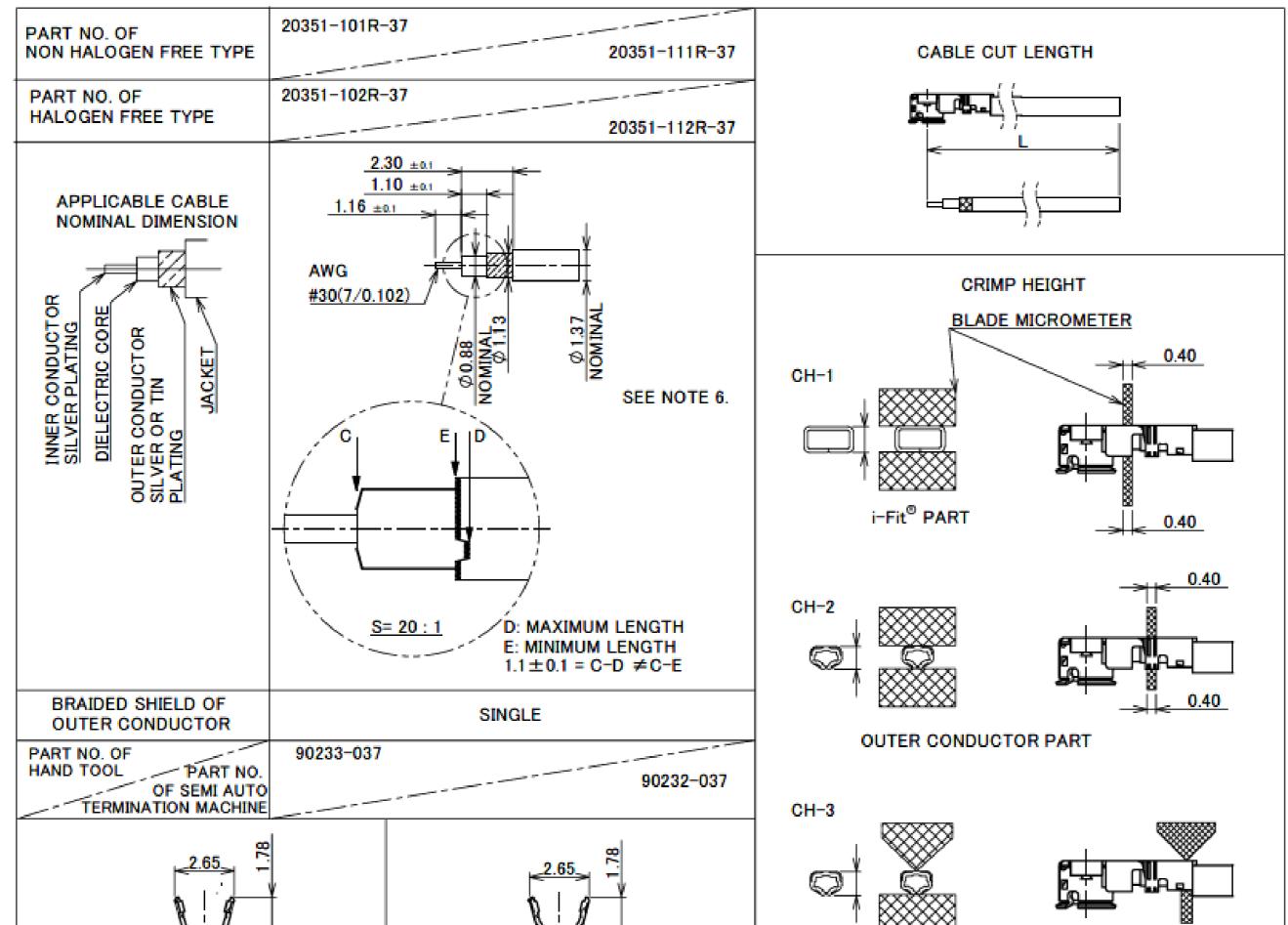




**Rev.18** 

# I-PEX

# MHF<sup>®</sup> I plug Au (1.37)

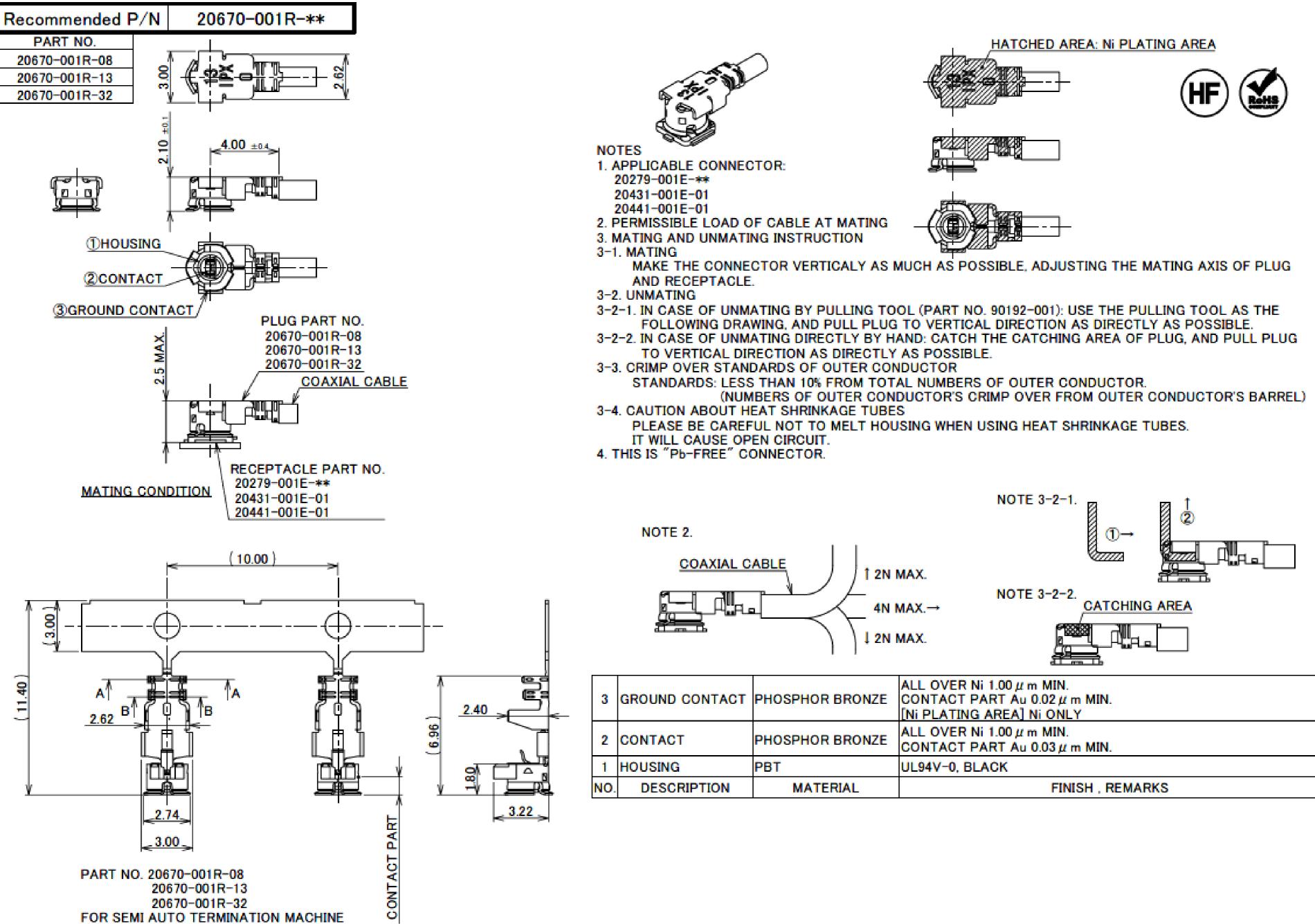


	SECT. A-A	SECT. B-B	
	CH-1	1.34~1.40	
CRIMP HEIGHT	CH-2	1.36~1.42	
	CH-3	1.28~1.34	

NOTE 6. MUST NOT USE SOLDER COATED INNER CONDUCTOR.

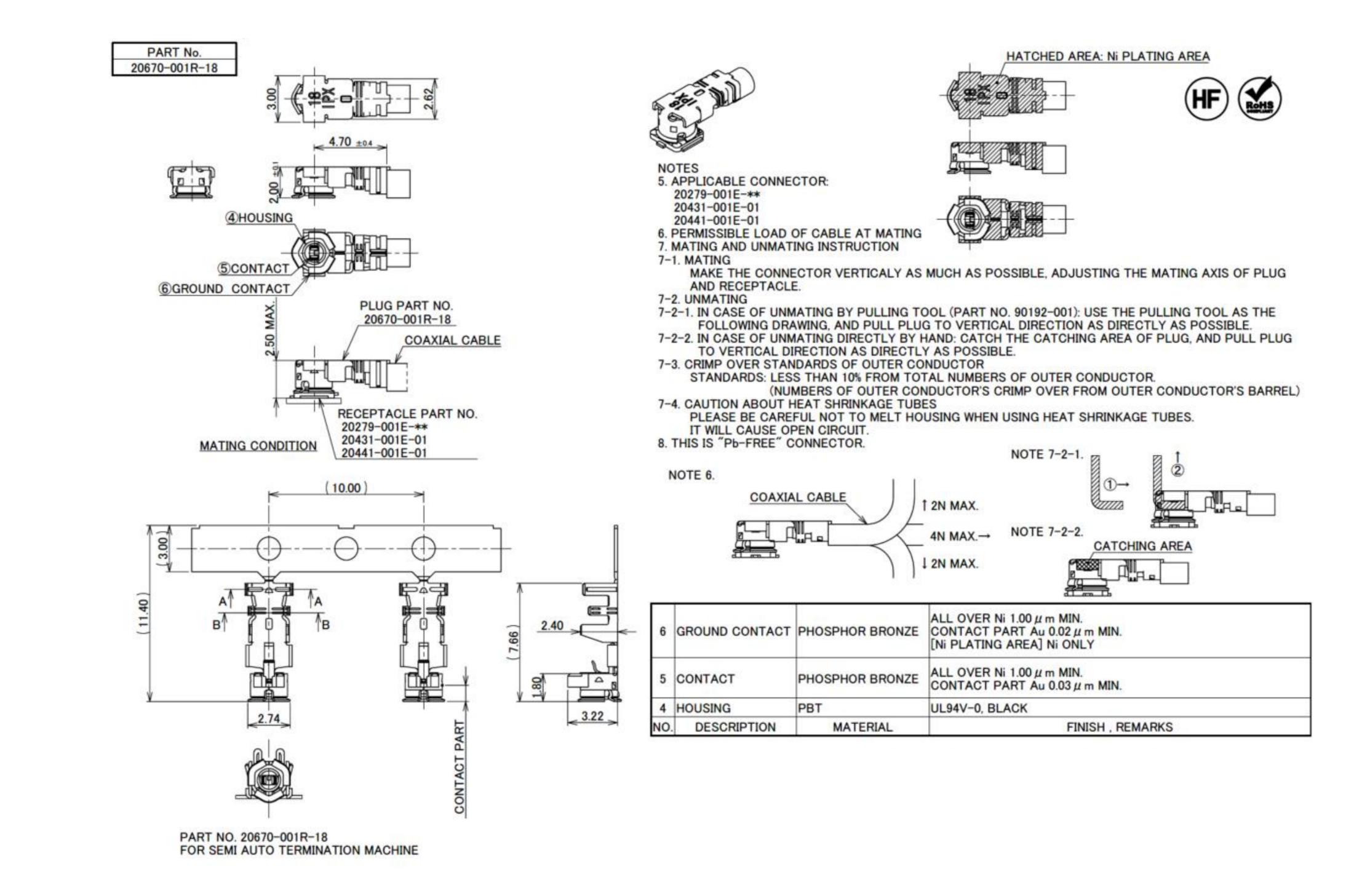
ITEMS	SPECIFICATION		
RECOMMENDED APPLICABLE CONNECTOR PART No.	20279-001E-**		
RATING VOLTAGE	60 V AC (R.M.S)		
RATING FREQUENCY	DC~9GHz		
OPERATING TEMPERATURE	233~363 K (-40°C~+90°C)		
VSWR	1.3 MAX. AT 0.1~3 GHz, 1.5 MAX. AT 3~6 GHz, 1.9 MAX. AT 6~9 GHz		
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: 25 mohm MAX.		
GROUND CONTACT RESISTANCE	INITIAL: 10 mohm MAX. / AFTER TEST: 15 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)	5 N MIN. / 3 N MIN.		
CRIMP STRENGTH	15 N MIN.		
PRODUCT SPECIFICATION	PRS-1726		
TEST REPORT	TR-12096		
PACKING STANDARD	300-233		
INSTRUCTION MANUAL	HIM-10002		
APPEARANCE CRITERIA No.	QLS-A***		

### <u>MHF<sup>®</sup> I plug Ni top (0.81,1.13,1.32,1.37,1.80)</u>



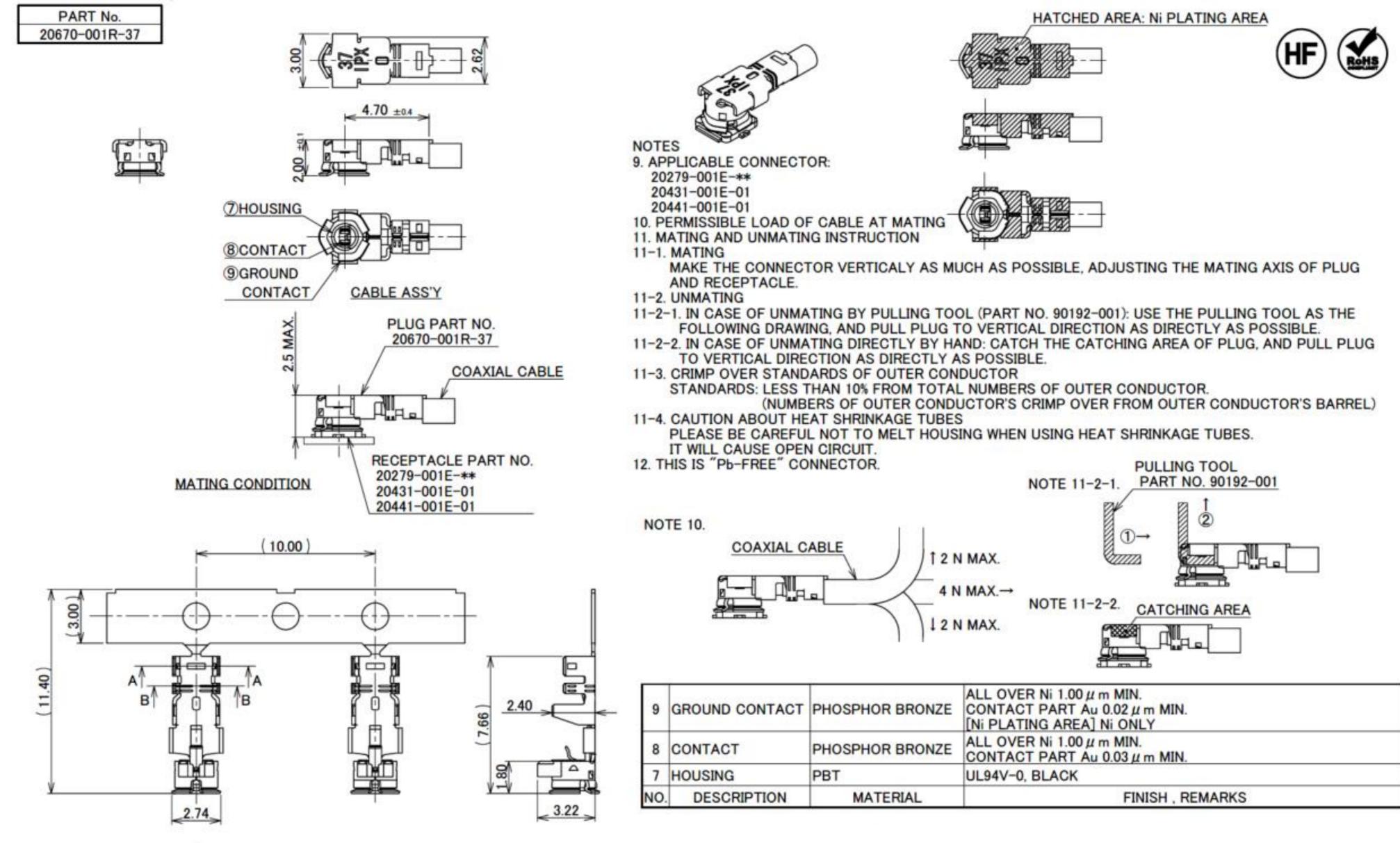
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
1	HOUSING	PBT	UL94V-0, BLACK
2	CONTACT		ALL OVER Ni 1.00 $\mu$ m MIN. CONTACT PART Au 0.03 $\mu$ m MIN.
3	GROUND CONTACT	PHOSPHOR BRONZE	CONTACT PART Au 0.02 μ m MIN. [Ni PLATING AREA] Ni ONLY

Rev.6



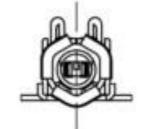
Rev.6

### <u>MHF<sup>®</sup> I plug Ni top (0.81,1.13,1.32,1.37,1.80)</u>



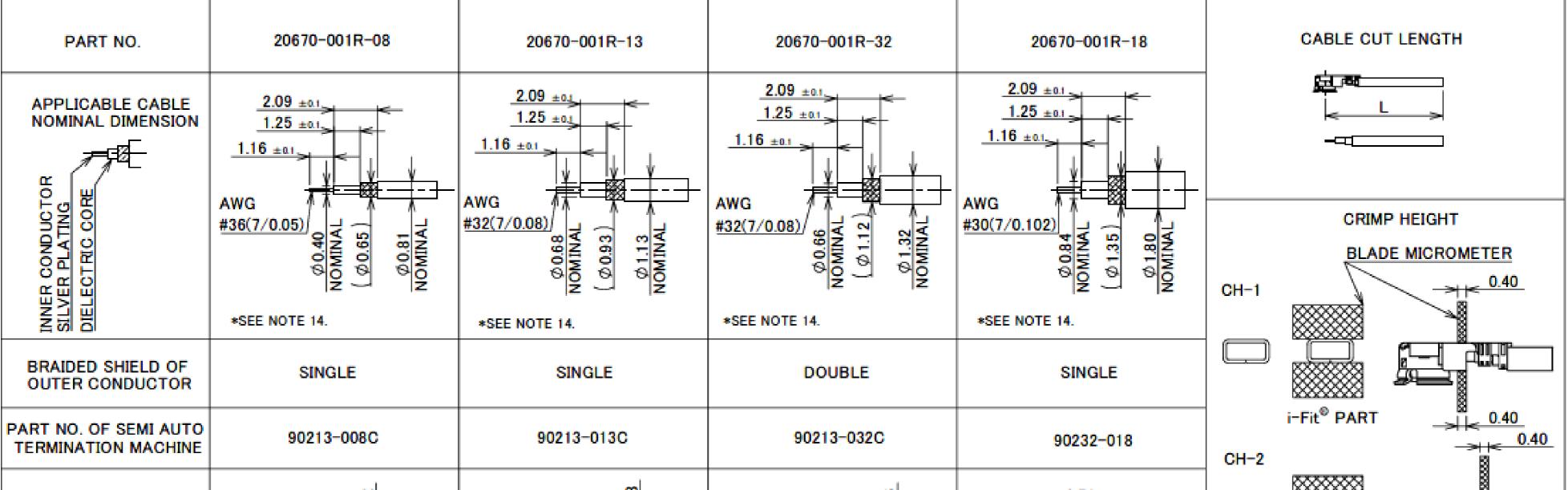
7.66	2.40	9	GRC
1		8	CON
		7	HOL
Y		NO.	0
	3.22	1	

NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS	
7	HOUSING	PBT	UL94V-0, BLACK	
8	8 CONTACT PHOSPHOR BRONZE		ALL OVER Ni 1.00 µ m MIN. CONTACT PART Au 0.03 µ m MIN.	
9	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 µ m MIN. CONTACT PART Au 0.02 µ m MIN. [Ni PLATING AREA] Ni ONLY	



PART NO. 20670-001R-37 FOR SEMI AUTO TERMINATION MACHINE

Rev.6



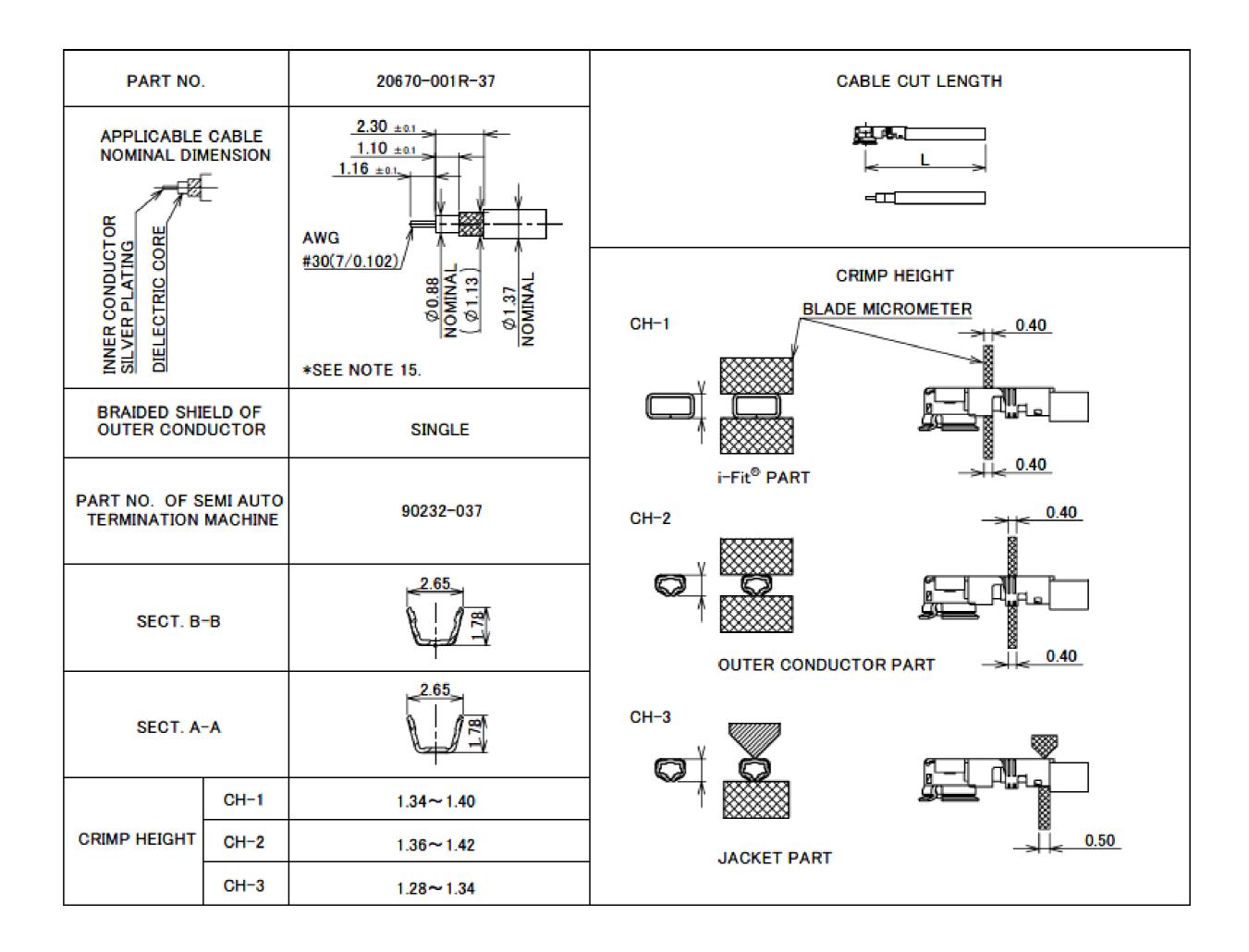
SECT. B	-В		2.24	2.29	2.71	OUTER CONDUCTOR PART
SECT. A	-A		2.28	2.37 5	3.10 8	CH-3
	CH-1	1.34~1.40	1.34~1.40	1.34~1.40	1.34~1.40	
CRIMP HEIGHT	CH-2	0.76~0.84	1.06~1.14	1.20~1.30	1.41~1.49	JACKET PART
	CH-3	0.85~0.97	1.15~1.35	1.26~1.46	1.70~1.80	

NOTE 13. MUST NOT USE SOLDER COATED INNER CONDUCTOR AND OUTER CONDUCTOR.



Contact your sales representative for more detailed information. <u>www.i-pex.com</u>

# <u>MHF<sup>®</sup> I plug Ni top (0.81,1.13,1.32,1.37,1.80)</u>



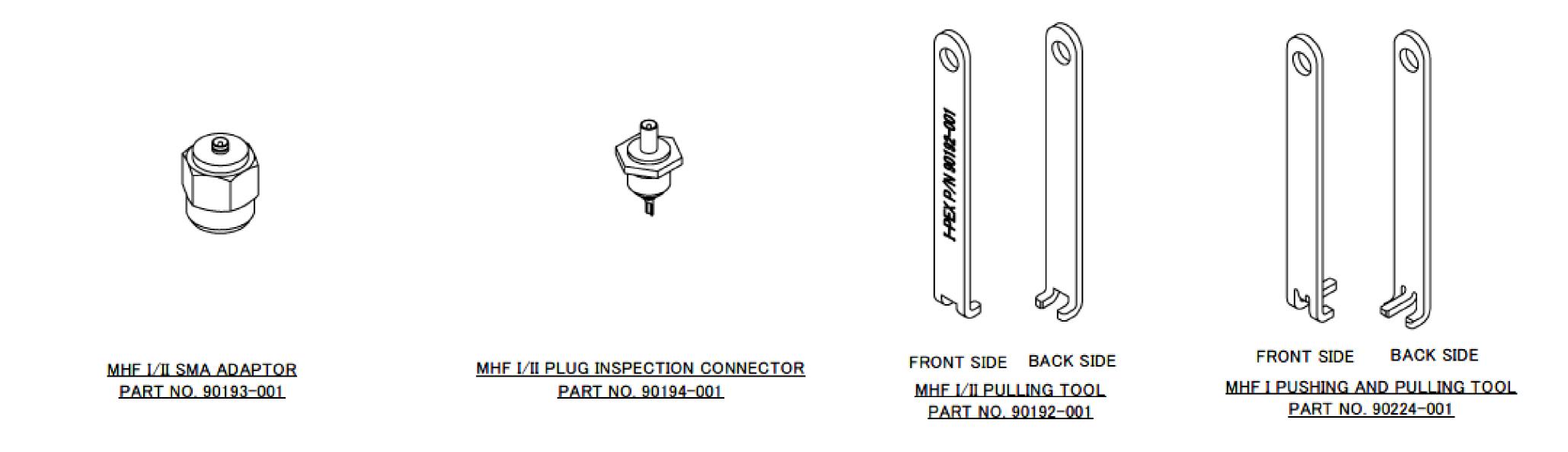
NOTE 14. MUST NOT USE SOLDER COATED INNER CONDUCTOR AND OUTER CONDUCTOR.

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ITEMS	SPECIFICATION	
RECOMMENDED APPLICABLE CONNECTOR PART No.	20279-001E-**	
RATING VOLTAGE	60 V AC (R.M.S)	
RATING FREQUENCY	DC~9GHz	
OPERATING TEMPERATURE	233~363 K (-40°C~+90°C)	
VSWR	1.3 MAX. AT 0.1~3 GHz, 1.5 MAX. AT 3~6 GHz, 1.9 MAX. AT 6~9 GHz	
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX.	
GROUND CONTACT RESISTANCE	INITIAL: 20mohm MAX. / AFTER TEST: AR 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)	5 N MIN. / 3 N MIN.	
CRIMP STRENGTH	20670-001R-08, 20670-001R-13, 20670-001R-32: 10 N MIN. 20670-001R-18, 20670-001R-37: 15 N MIN.	
PRODUCT SPECIFICATION	PRS-2105	
TEST REPORT	TR-15059	
PACKING STANDARD	300-233	
INSTRUCTION MANUAL	HIM-10002	
APPEARANCE CRITERIA No.	QLS-A***	

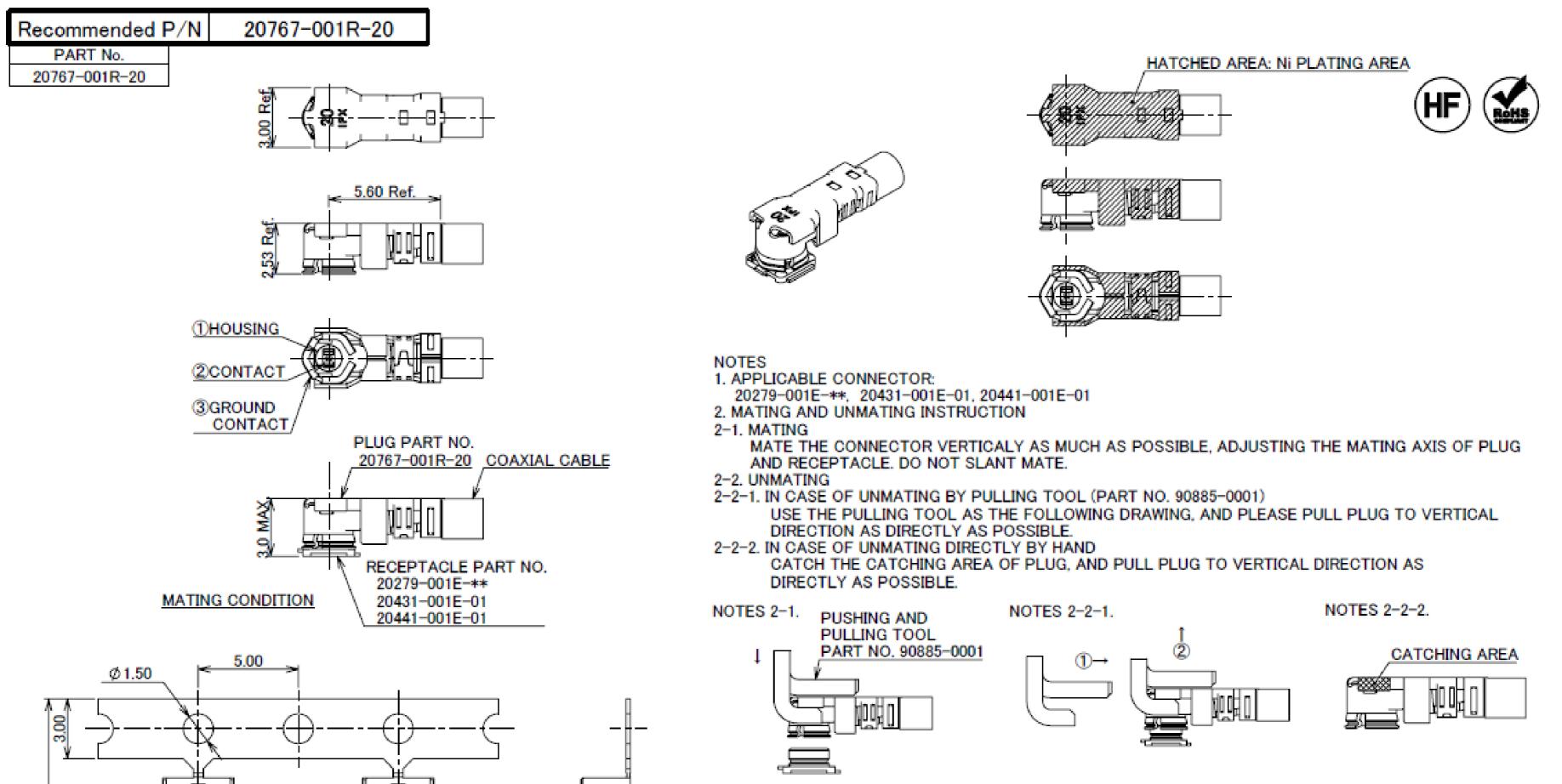
# **Accessories for MHF® I plug**

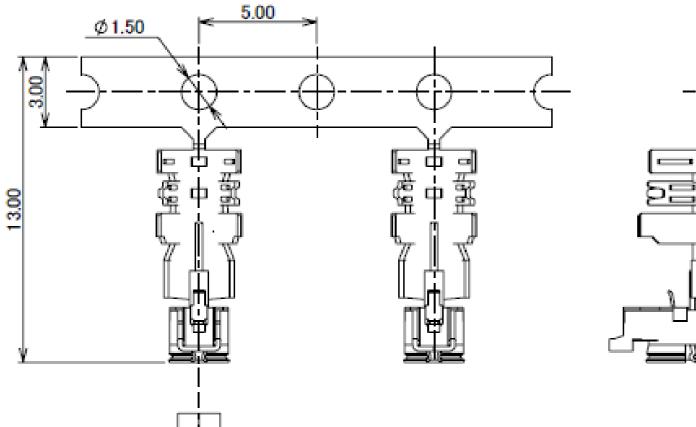
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#### Rev.6

### <u>MHF<sup>®</sup> I plug (2.0 mm Cable O.D.)</u>



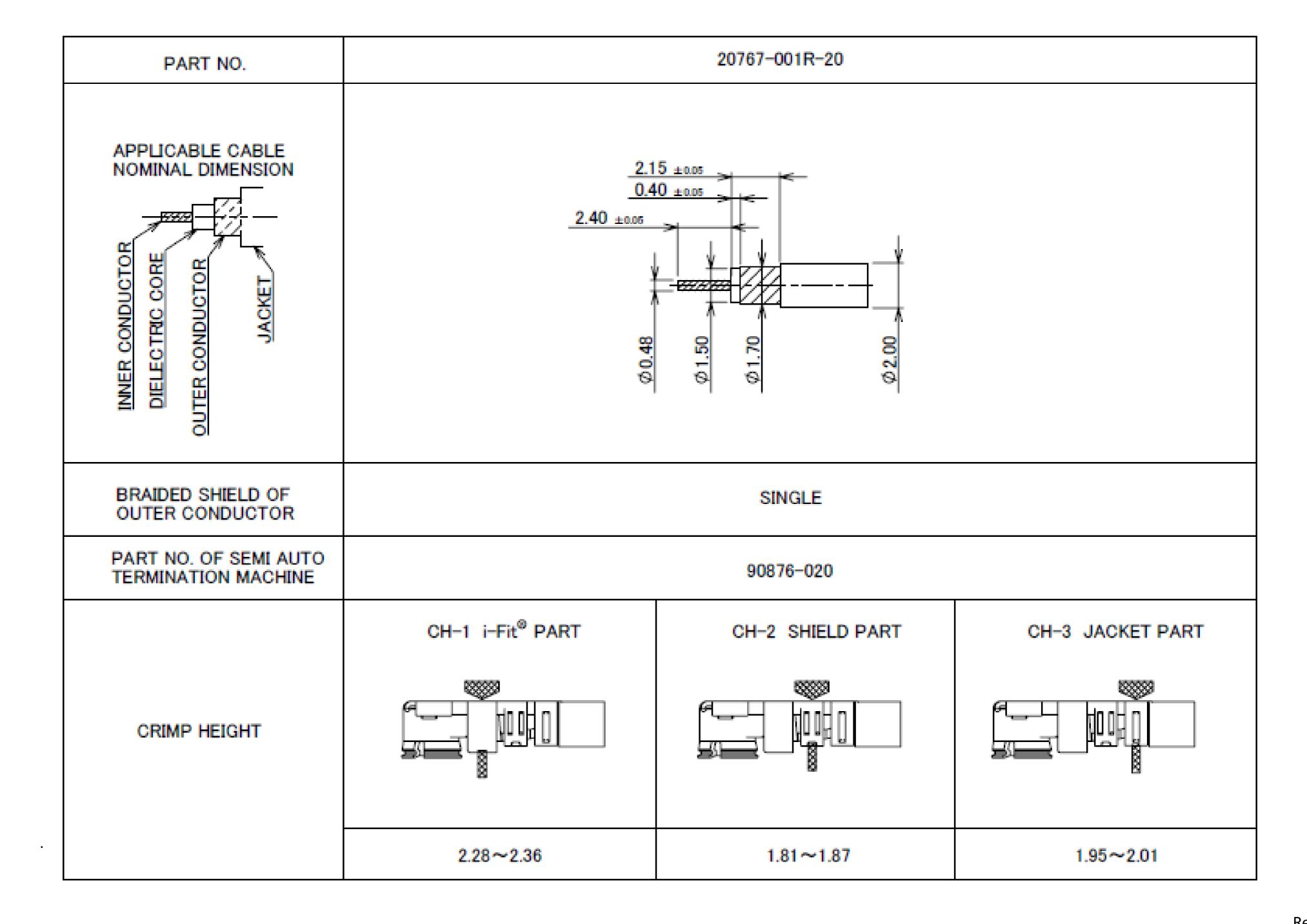


3	GROUND CONTACT		ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.05 μ m MIN.
2	CONTACT		ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.10 μ m MIN.
1	HOUSING	PBT	UL94V-0, BLACK
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

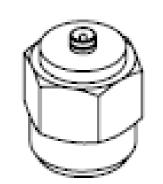
# <u>MHF<sup>®</sup> I plug (2.0 mm Cable O.D.)</u>

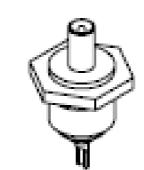
ITEMS	SPECIFICATION	
RECOMMENDED APPLICABLE CONNECTOR PART No.	20279-001E-**	
RATING VOLTAGE	60 V AC (R.M.S)	
RATING FREQUENCY	DC~9GHz	
OPERATING TEMPERATURE	233~363 K (-40°C~+90°C)	
VSWR	1.3 MAX. AT 0.1~3 GHz, 1.5 MAX. AT 3~6 GHz, 1.6 MAX. AT 6~9 GHz	
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / 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)	5 N MIN. / 3 N MIN.	
CRIMP STRENGTH	15 N MIN.	
PRODUCT SPECIFICATION	PRS-2490	
TEAT DEDADT	TD 40044	

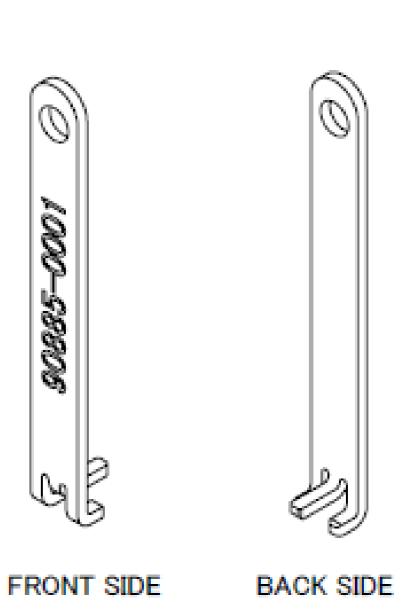
TEST REPORT	TR-18041
PACKING STANDARD	PST-16007
INSTRUCTION MANUAL	HIM-17017
APPEARANCE CRITERIA No.	QLS-A***

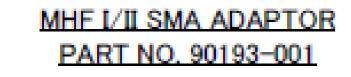


# Accessories for MHF<sup>®</sup> I plug (2.0 mm Cable O.D.)









MHF I/II PLUG INSPECTION CONNECTOR PART NO. 90194-001

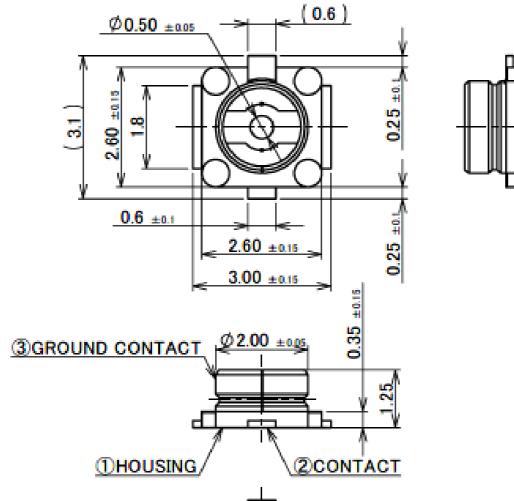
MHF I PLUG (2.00) PUSHING AND PULLING TOOL

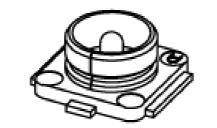
PART NO. 90885-0001

Rev.2

#### **MHF<sup>®</sup> I Receptacle**

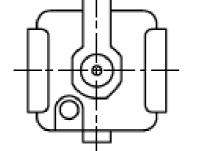
Recommend	led P/N	20279-001	E-03	
PART NO.	PAG	CKING REEL	QUANTITY	/ IN 1 REEL
20279-001E-01	PL/	ASTIC REEL	2,	500
20279-0012-01	CORRUGA	TED PAPER REEL	2,	500
20279-001E-03	PL/	ASTIC REEL	5,	000
20279-001E-05	PL/	ASTIC REEL	10,	000



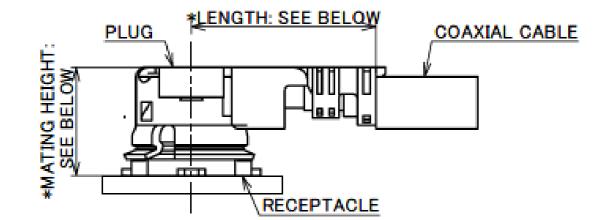


NOTES 1. APPLICABLE CONNECTOR PART NO.





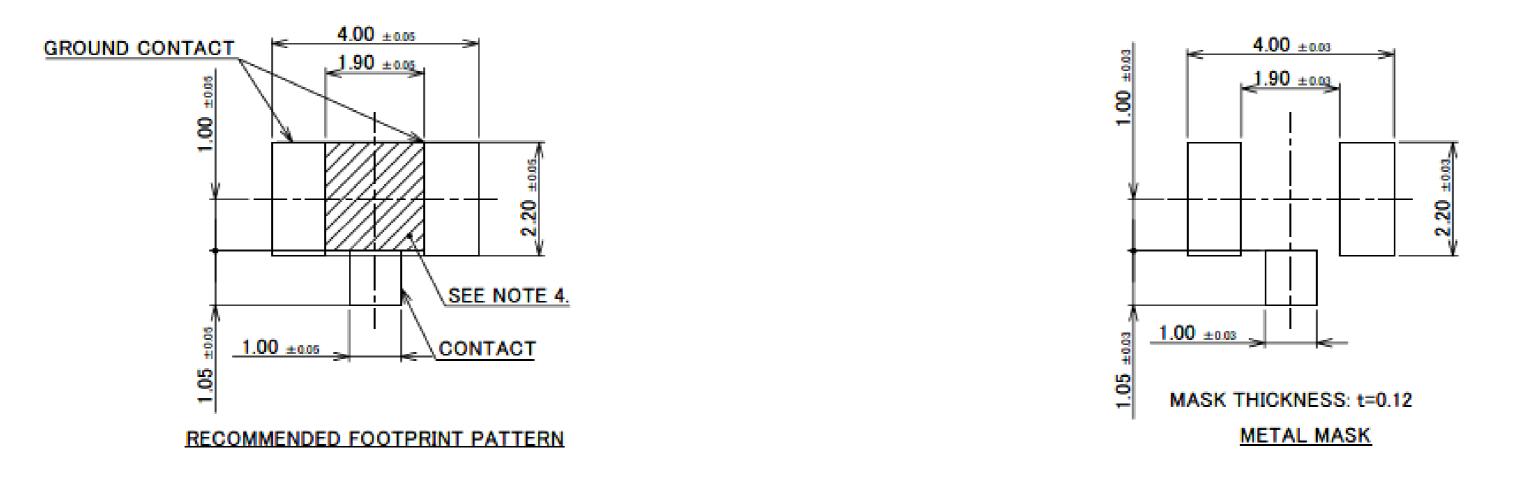
MHE I PLUG 20278-11\*R-\*\* 20351-\*\*\*R-37 20631-\*\*\*R-\*\* 20670-001R-\*\* 20767-001R-20 MHF II PLUG 20311-011R-\*\* 20686-001R-08 2. COPLANARITY: 0.1mm MAX. 3. THIS IS "Pb-FREE" CONNECTOR.

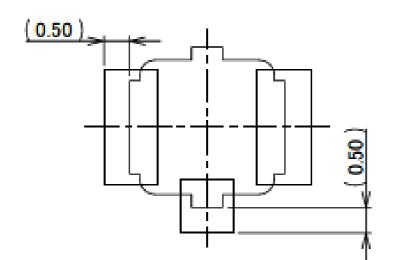


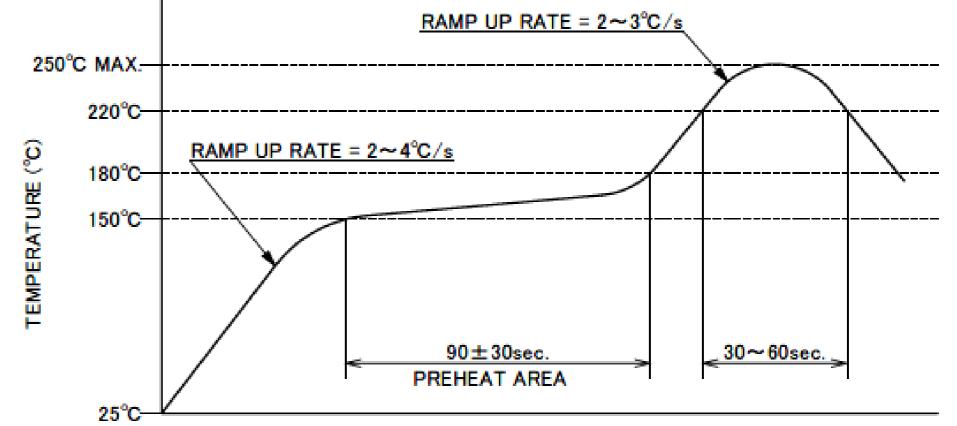
3	GROUND CONTACT		ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.05 μ m MIN. SOLDERING PART Au 0.05 μ m MIN.
2	CONTACT		ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0, WHITE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

\*LENGTH: 4.0 ± 0.4 AT PLUG PART NO. 20670-001R-08, 20670-001R-13, 20670-001R-32 4.7±0.4 AT PLUG PART NO. 20670-001R-18, 20670-001R-37 5.6 AT PLUG PART NO. 20767-001R-20 (REFERENCE DIMENSION) 3.8±0.3 AT PLUG PART NO. 20686-001R-08, 20311-011R-\*\* \*MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-\*\* 3.0 MAX. AT PLUG PART NO. 20767-001R-20 2.0 ± 0.1 AT PLUG PART NO. 20686-001R-08, 20311-011R-\*\* MATING CONDITION

# **MHF® I Receptacle**







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

NOTES. 4. CUT OUT PROHIBITION AREA

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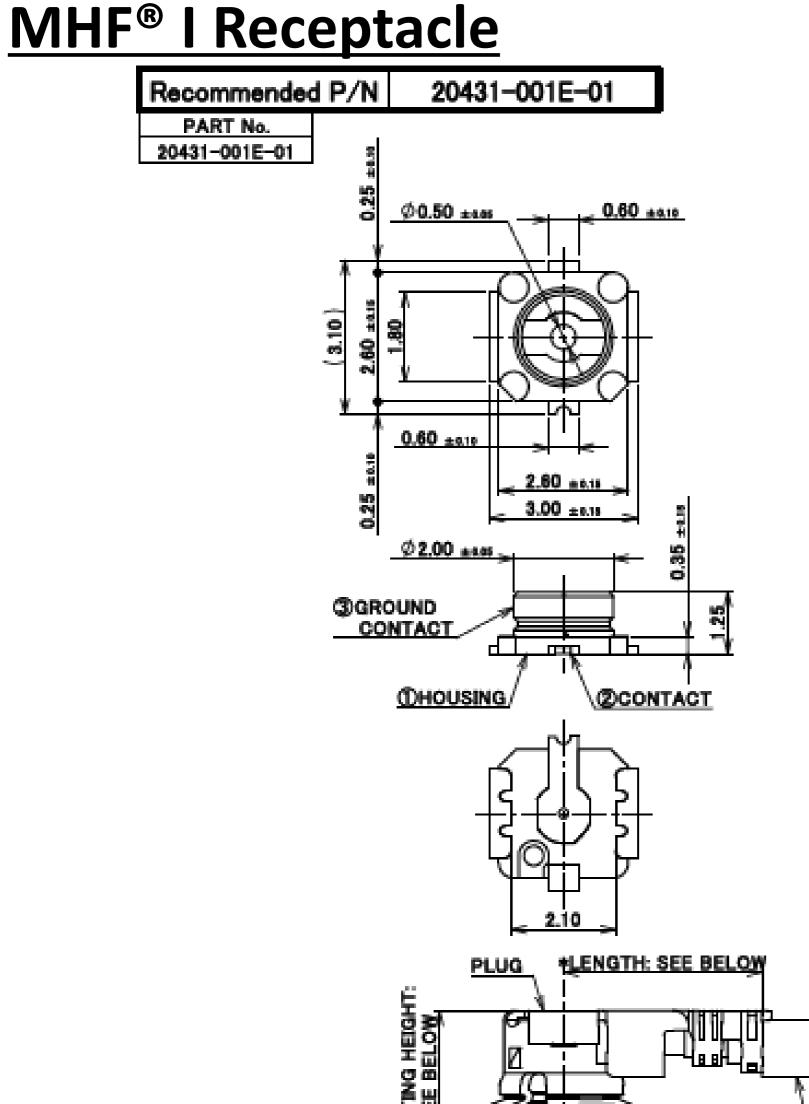
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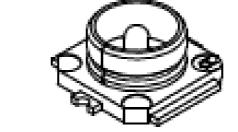
Rev.27

ITEMS	SPECIFICATION		
RECOMMENDED APPLICABLE CONNECTOR PART NO.	20670-001R-** (MHF I PLUG Ni TOP 1.80, 1.37, 1.32, 1.13, 0.81)	20767-001R-20 (MHF I PLUG 2.00)	20686-001R-08 (MHF II PLUG Ni TOP 0.81)
RATING VOLTAGE	e	60 V AC (R.M.S)	
RATING FREQUENCY		DC~9GHz	
OPERATING TEMPERATURE	233~3	363K (-40°C ~+90°C)	
VSWR	RECEPTACLE: 1.3 MAX. AT 0.1~3 C	GHz, 1.4 MAX. AT 3~6 GHz, 1.8 MAX	K. AT 6∼9 GHz
MAIN CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: AR 20 mohm MAX.		
GROUND CONTACT RESISTANCE	INITIAL: 20 mohm MAX. / AFTER TEST: ZR 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: 5 N MIN. AFTER TEST: 3 N M		INITIAL: 4 N MIN. AFTER TEST: 2 N MIN.
PRODUCT SPECIFICATION	PRS-2105	PRS-2490	PRS-2106
TEST REPORT	TR-15059	TR-18041	TR-15060
PACKING STANDARD	20279-001E-01: 300-232 (CORRUGATED PAPER REEL) PST-12002 (ANTI-STATIC PLASTIC REEL) 20279-001E-03: 300-850 20279-001E-05: PST-13040 20279-001E-06: PST-13040		
INSTRUCTION MANUAL	HIM-10002 HIM-12010		HIM-12010
APPEARANCE CRITERIA No.	QLS-A***		

WUNLESS OTHERWISE SPECIFIED, 20279-001E-01 WILL DERIVERED IN CORRUGATED PAPER REELS.

CONTACT YOUR I-PEX SALES IF YOU WISH FOR PLASTIC REELS.





NOTES. 1. APPLICABLE CONNECTOR PART NUMBER: MHFIPLUG 20278-112R-++ 20351-1\*\*R-37 20670-001R-++ 20767-001R-20 MHF II PLUG 20311-011R-\*\* 20686-001R-08 2. COPLANARITY: 0.1mm MAX. 3. THIS IS "Pb-FREE" CONNECTOR.

3	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.03 μ m MIN. SOLDERING PART Au 0.03 μ m MIN.

 $4.00{\scriptstyle~\pm 0.05}$ 

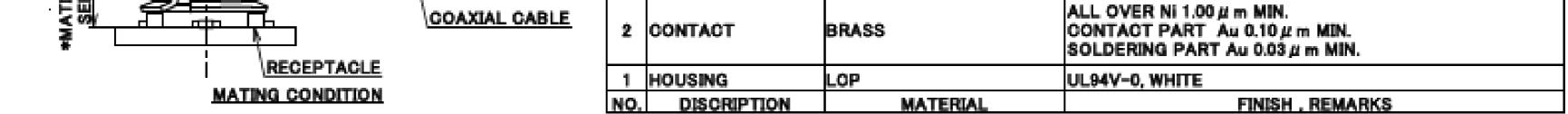
1.90 ±0.05

1.00 ±0.05

2

N





\*LENGTH: 4.0 ± 0.4 AT PLUG PART NO. 20670-001R-08, 20670-001R-13, 20670-001R-32

4.7±0.4 AT PLUG PART NO. 20670-001R-18, 20670-001R-37

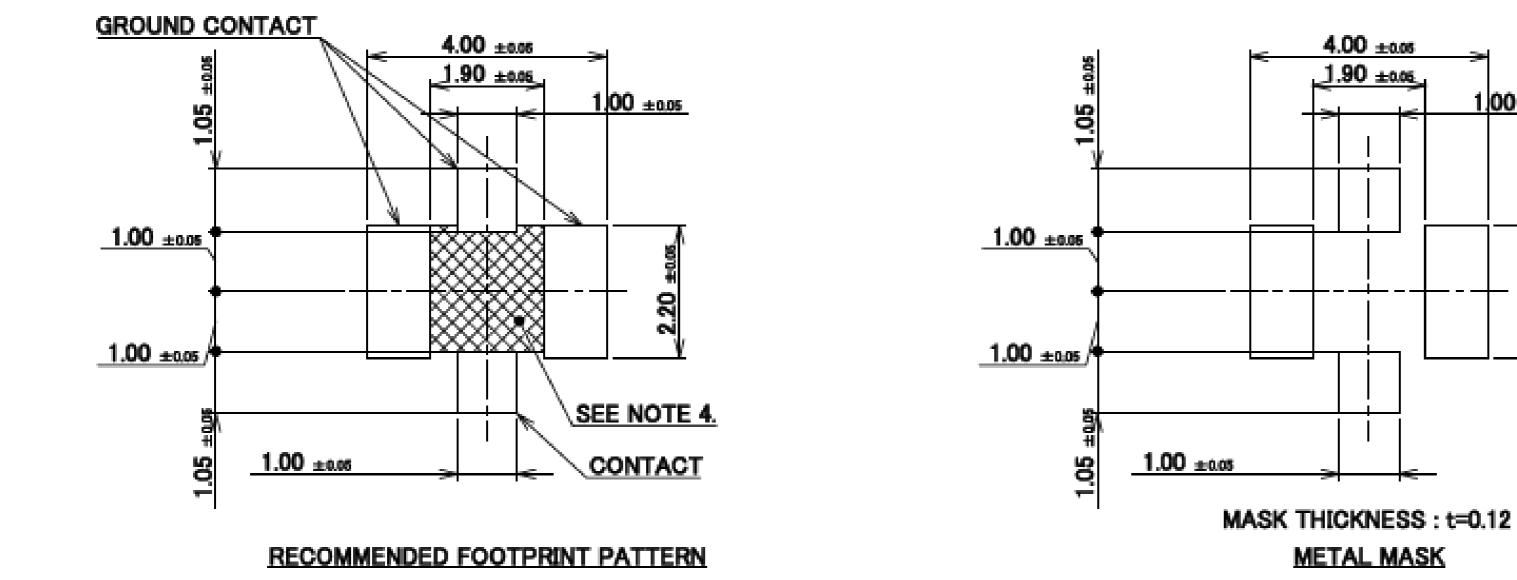
5.6 AT PLUG PART NO. 20767-001R-20 (REFERENCE DIMENSION)

3.8±0.3 AT PLUG PART NO. 20686-001R-08, 20311-011R-\*\*

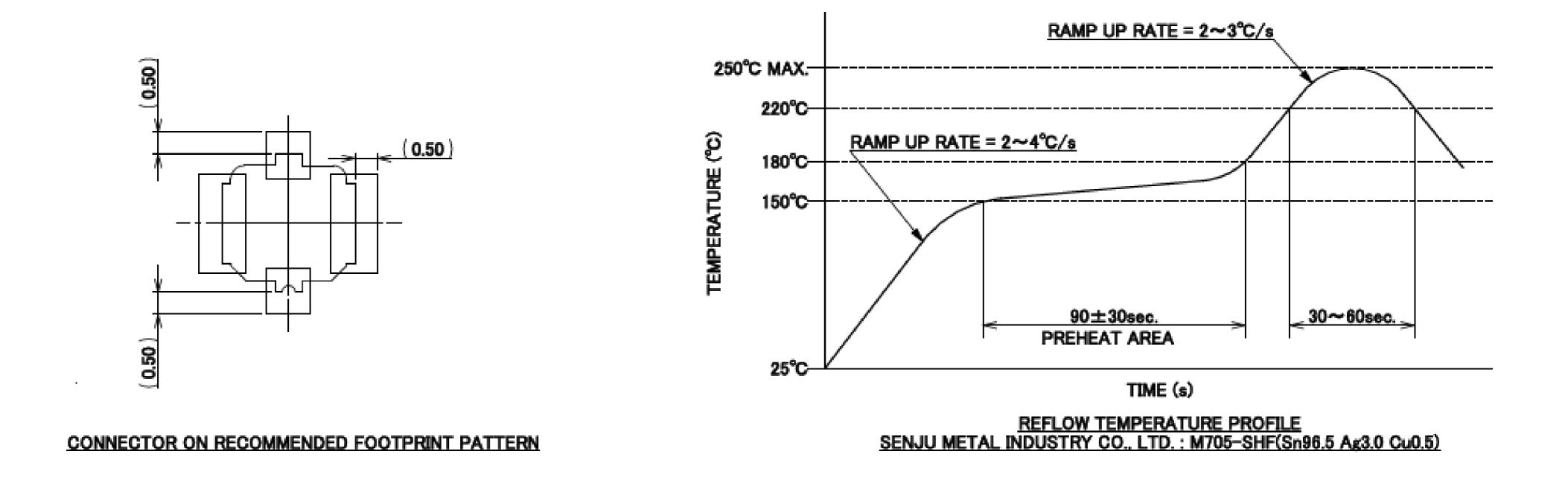
\*MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-\*\*

3.0 MAX, AT PLUG PART NO. 20767-001R-20

2.0±0.1 AT PLUG PART NO. 20686-001R-08, 20311-011R-\*\*



Rev.4

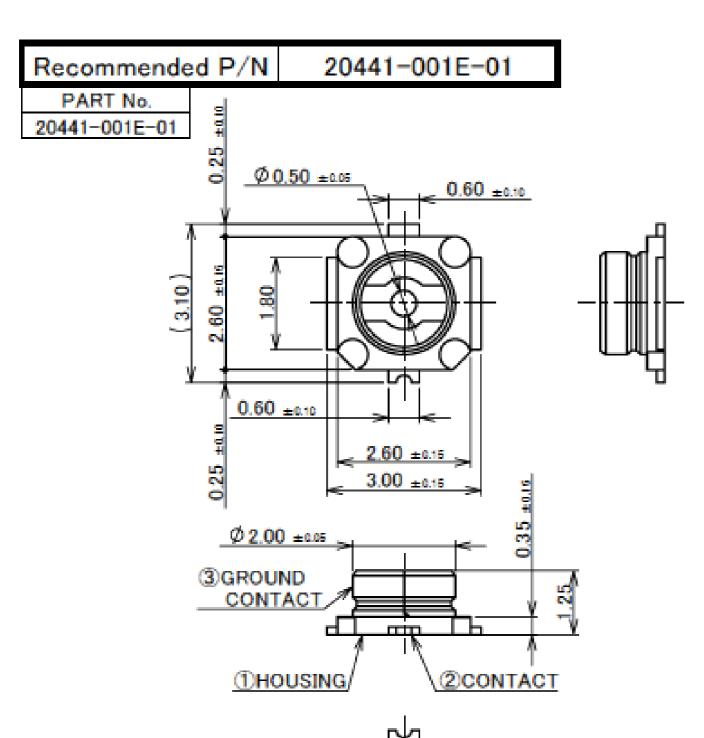


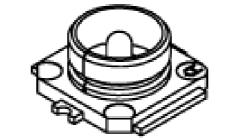
Rev.4



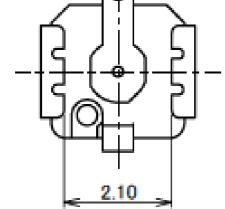
### **MHF<sup>®</sup> I Receptacle**

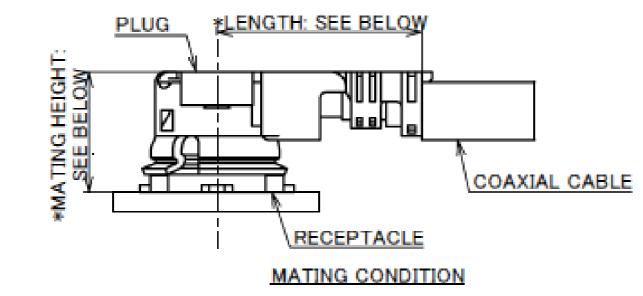
ITEMS	SPECIFICATION	
RECOMMENDED APPLICABLE CONNECTOR PART NO.	20670-001R-** (MHF I PLUG Ni TOP (1.80, 1.37, 1.32, 1.13, 0.81))	20686-001R-08 (MHF II PLUG Ni TOP (0.81))
RATING VOLTAGE	60 V AC (R.M.S)	
RATING FREQUENCY	DC~9GHz	
OPERATING TEMPERATURE	233~363K (−40°C~+	-90°C)
VSWR	RECEPTACLE: 1.3 MAX AT 0.1~3 GHz, 1.4 MAX AT 3~6 GHz, 1.8 MAX. AT 6~9 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 MINU	TE
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.
PRODUCT SPECIFICATION	PRS-2105	PRS-2106
TEST REPORT	TR-15059	TR-15060
PACKING STANDARD	PST-17011	
INSTRUCTION MANUAL	HIM-10002	HIM-12010











 APPLICABLE CONNECTOR PART NUMBER: MHF I PLUG 20278-112R-\*\* 20351-1\*\*R-37 20670-001R-\*\* 20767-001R-20 MHF II PLUG 20311-011R-\*\* 20686-001R-08
COPLANARITY: 0.1mm MAX.
THIS IS "Pb-FREE" CONNECTOR.

3	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 $\mu$ m MIN. CONTACT PART Au 0.03 $\mu$ m MIN. SOLDERING PART Au 0.03 $\mu$ m MIN.
2	CONTACT	BRASS	ALL OVER Ni 1.00 $\mu$ m MIN. CONTACT PART Au 0.10 $\mu$ m MIN. SOLDERING PART Au 0.03 $\mu$ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

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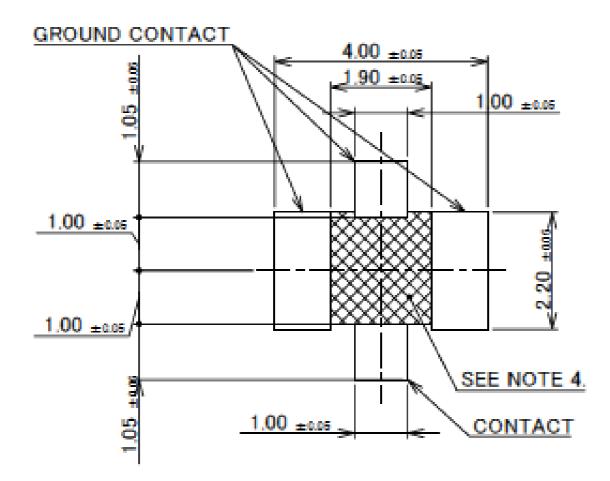
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\*LENGTH: 4.0 ± 0.4 AT PLUG PART NO. 20670-001R-08, 20670-001R-13, 20670-001R-32 4.7 ± 0.4 AT PLUG PART NO. 20670-001R-18, 20670-001R-37 5.6 AT PLUG PART NO. 20767-001R-20 (REFERENCE DIMENSION) 3.8 ± 0.3 AT PLUG PART NO. 20686-001R-08, 20311-011R-\*\* \*MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-\*\* 3.0 MAX. AT PLUG PART NO. 20767-001R-20 2.0 ± 0.1 AT PLUG PART NO. 20686-001R-08, 20311-011R-\*\*

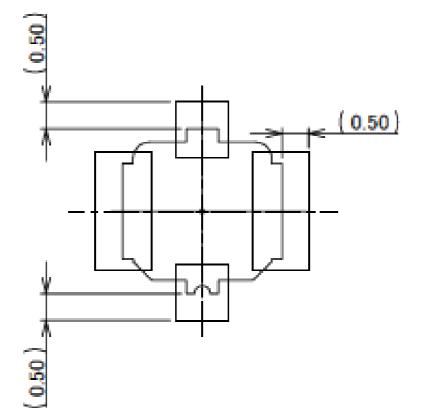
Rev.5

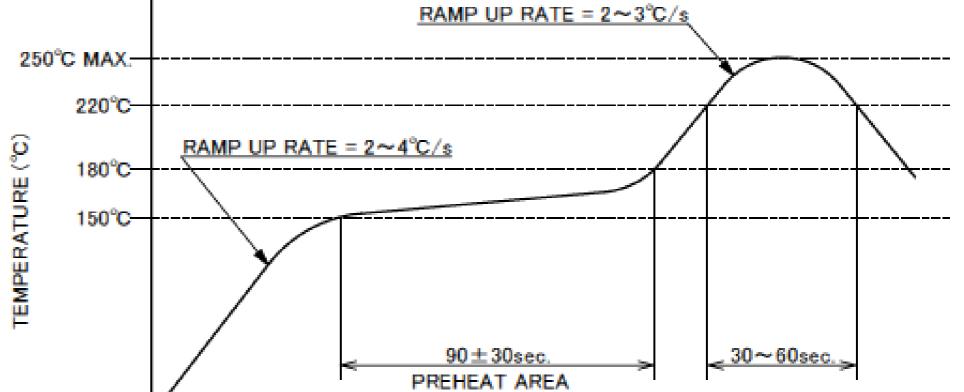


#### **MHF<sup>®</sup> I Receptacle**



RECOMMENDED FOOTPRINT PATTERN





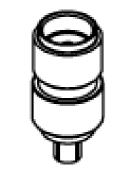
TIME (s)

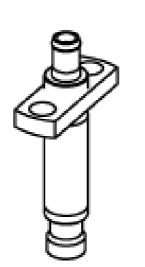
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

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

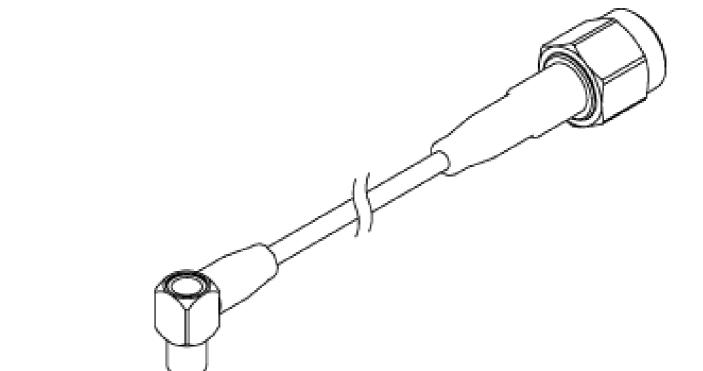
NOTES. 4. CUT OUT PROHIBITION AREA

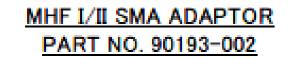
**Accessories for MHF® | Receptacle** 





25°C





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4.5MM HIGH CYCLE TEST PROBE FOR MHE/MHE A PART NO. 90575-0001

4.5MM HIGH CYCLE TEST PROBE CABLE ASS'Y PART NO. 90577-\*\*\*\*

\* 90575-0001 AND 90577-\*\*\*\* SHOULD BE USED TOGETHER.



Contact your sales representative for more detailed information. <u>www.i-pex.com</u>

# MHF<sup>®</sup> I Receptacle

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UNMATING FORCE (INITIAL / AFTER TEST)	INITIAL: 5 N MIN. AFTER TEST: 3 N MIN.	INITIAL: 4 N MIN. AFTER TEST: 2 N MIN.	
PRODUCT SPECIFICATION	PRS-2105	PRS-2106	
TEST REPORT	TR-15059	TR-15060	
PACKING STANDARD	300-596		
NSTRUCTION MANUAL	HIM-10002	HIM-12010	

QLS-A\*\*\*

Rev.5

# I-PEX





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> > Contact your sales representative or more detailed information.

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