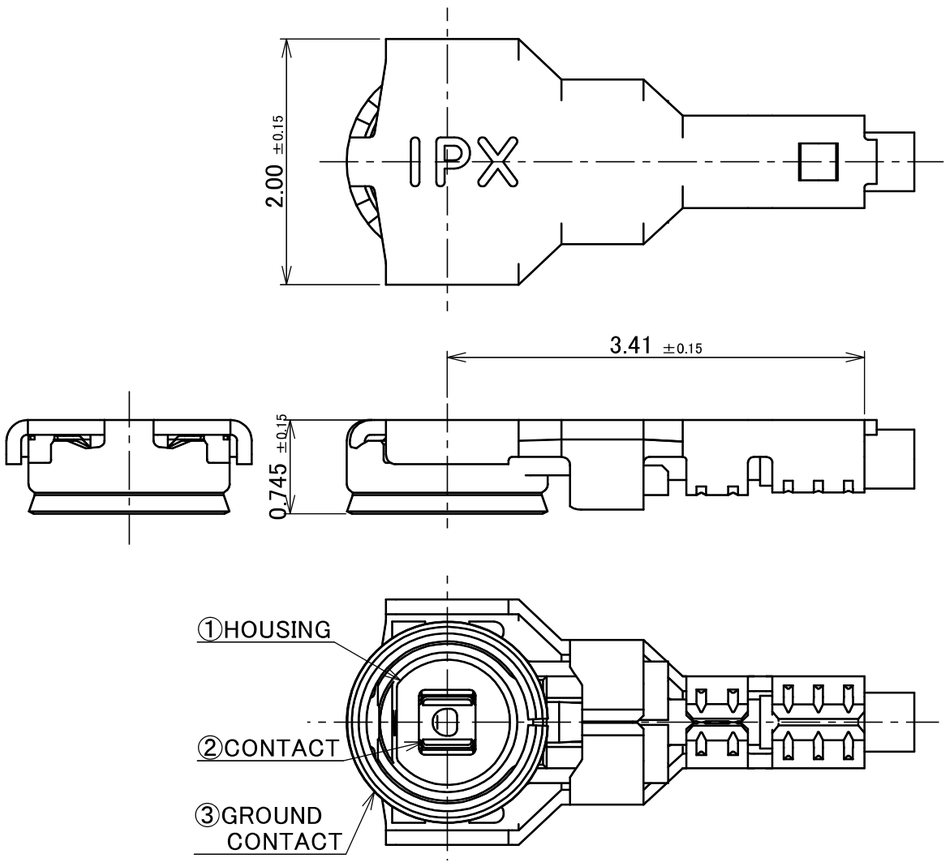
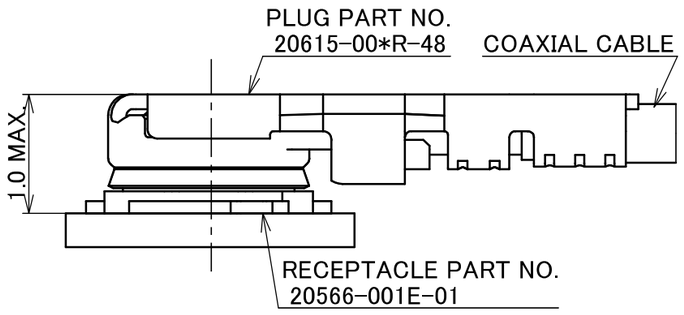
Recommended P/N	20615-002R-48

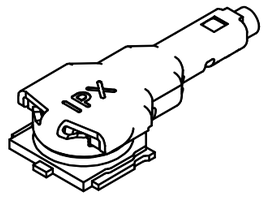
PART No.	PLATING	APPLICABLE CABLE	OUTER CONDUCTOR
20615-001R-48	ALL Au	AWG#38 (0.48 O.D.)	SPIRAL SHIELD
20615-002R-48	SELECTIVE Ni		

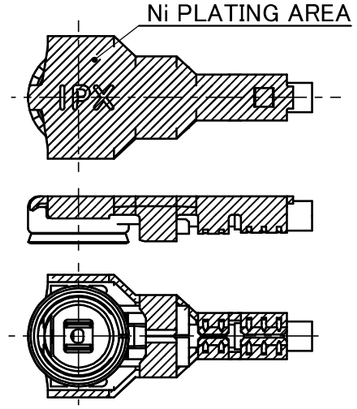
OFFERED AS HARNESS ONLY.





MATING CONDITION





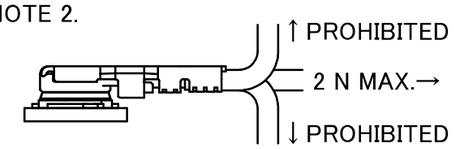
SELECTIVE Ni TYPE (PART NO. 20615-002R-48)

HF Halogen Free

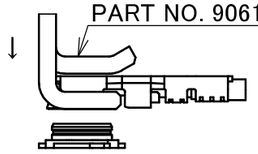
RoHS Compliant

NOTES
1. APPLICABLE CONNECTOR: 20566-001E-01
2. PERMISSIBLE LOAD OF CABLE AT MATING
3. MATING AND UNMATING INSTRUCTION
3-1. MATING
MATE THE CONNECTOR VERTICALY AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE. DO NOT SLANT MATE.
3-2. UNMATING
3-2-1. IN CASE OF UNMATING BY PULLING TOOL (PART NO. 90612-0001): USE THE PULLING TOOL AS THE FOLLOWING DRAWING, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
3-2-2. IN CASE OF UNMATING DIRECTLY BY HAND: CATCH THE CATCHING AREA OF PLUG, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
4. PRECAUTIONS FOR CABLE POSITION
THE PLUG SHALL NOT BE PLACED WITHIN 50 DEGREES ANGLE FROM CENTER OF THE SIGNAL CONTACT. TILT THE PLUG AT LEAST 50 DEGREES FROM THE CENTER OF A SIGNAL CONTACT.

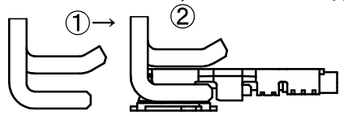
NOTE 2.



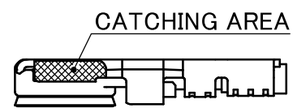
NOTE 3-1.



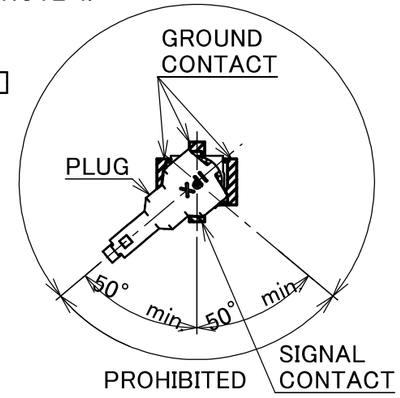
NOTE 3-2-1.



NOTE 3-2-2.



NOTE 4.



NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
3	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.05 μm MIN.
2	CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.05 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.
8	ZC01116	TOI	2026/10/29	Yufu
7	Z220655	K.W	2022/06/13	Y.H
6	Z220400	TOI	2022/04/11	Y.H
5	Z210267	TOI	2021/03/16	M.T
4	Z181412	M.N	2018/12/27	Ken
3	Z170699	M.N	2017/06/19	Ken

REVISION RECORD

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R5
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		

GENERAL TOLERANCE.

DWG. Y.Hashimoto DATE 2014/03/27

CHK. K.Yotsutani

APP. T.Takano

CUSTOMER COPY

TITLE: MHF® 5 PLUG (0.48)

DWG. No. 20615

SCALE 20:1 UNIT mm SIZE A3 SHEET 1/3 REV. 8

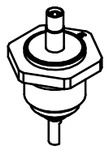
I-PEX

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	
RATED VOLTAGE	60 V AC (R.M.S)	
RATED FREQUENCY	DC TO 12 GHz	
OPERATING TEMPERATURE	233 TO 363 K (−40℃ TO +90℃)	
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 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-1939	PRS-2032
TEST REPORT	TR-14026	TR-15029
INSTRUCTION MANUAL	HIM-13003	
APPEARANCE CRITERIA No.	QLS-A***	

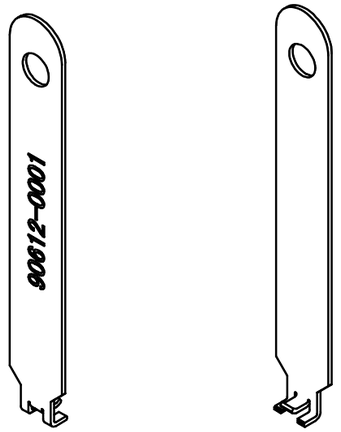
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R5		
GENERAL TOLERANCE.				TITLE		SCALE	
DWG.		DATE		MHF® 5 PLUG (0.48)		–	I-PEX
CHK.						UNIT mm	
APP.				DWG. No.		SIZE	SHEET / REV.
				20615		A3	2/3 / 8



MHF 5 SMA ADAPTOR
PART NO. 90543-0001



MHF 5 PLUG INSPECTION CONNECTOR
PART NO. 90586-0002



FRONT SIDE BACK SIDE

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



MHF 5 PUSHING TOOL
PART NO. 90624-0001

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R5		
GENERAL TOLERANCE.				TITLE		SCALE	
DWG.		DATE		MHF® 5 PLUG (0.48)		2:1	I-PEX
CHK.						UNIT mm	
APP.				DWG. No. 20615		SIZE A3	SHEET 3/3 REV. 8