

MHF[®] 4L Plug

MHF[®] 4L Plug Cable Assembly

Mating profile : 1.20mm MAX. for AWG36 (O.D. 0.81mm / O.D. 0.64mm) Cable

【Part Number】

O.D. 0.81mm / 0.64mm type

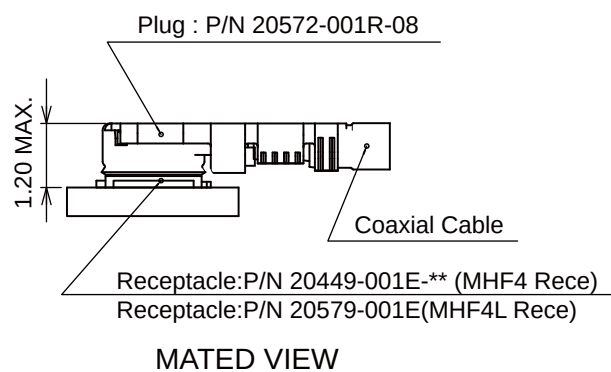
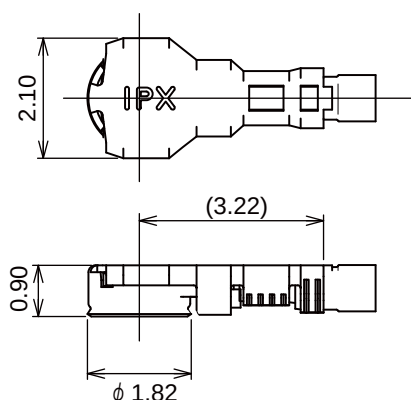
20572 - 001 R - 08

Packing : Reel
1 reel : 2,000pcs

【Applicable Cable gauge】



Part No.	20572-001R-08
	for AWG#36
Applicable Cable Nominal Dimension	
Coaxial Cable	Single Braided Shield [Spiral Shield]



【Material and Finish】

Parts	Material	Plating / Color
HOUSING	PBT UL94V-0	BLACK
CONTACT	COPPER ALLOY	Au
GROUND CONTACT	COPPER ALLOY	Partial Au

MHF[®] 4L Receptacle

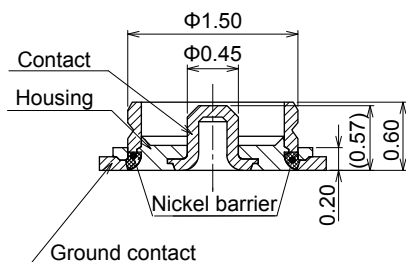
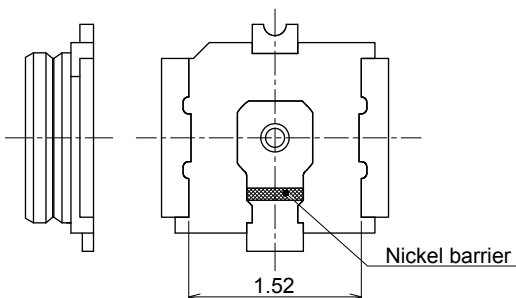
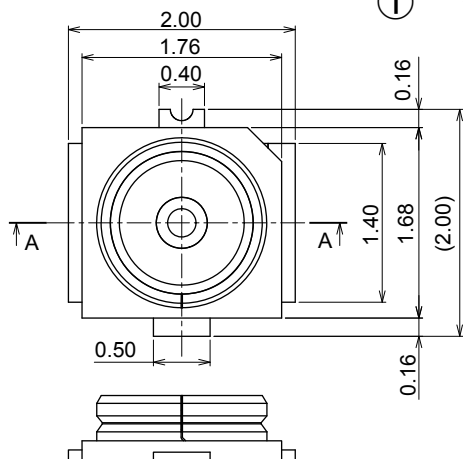
【Part Number】

Ground Contact : Au Plating

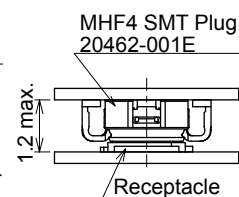
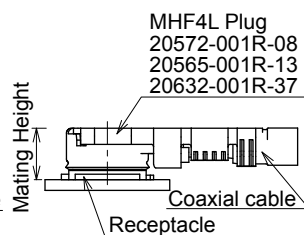
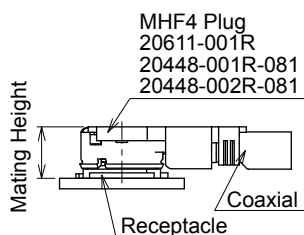
20579-001 E - **

① ②

①	Packaging	E	Emboss Tape
②	Packaging Quantity	-	10,000 pcs/reel
		01	20,000 pcs/reel



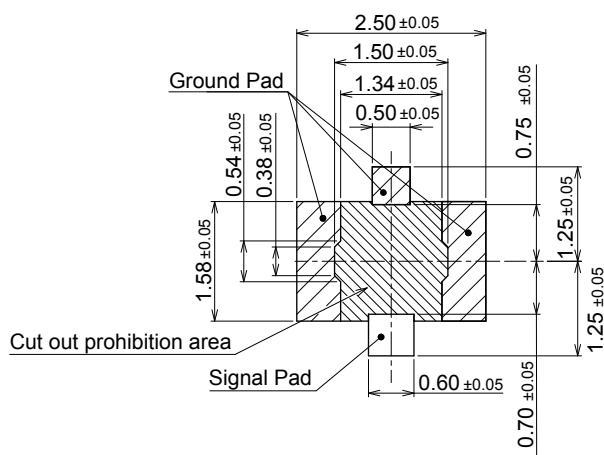
Sect. A-A



Mating

Mating partner part No.

Receptacle	Plug	Mating Height
20579-001E-01	20572-001R-08 20611-001R 20448-001R-081 20448-002R-081	1.2 max.
	20565-001R-13	1.4 max.
	20632-001R-37	1.7 max.
Receptacle	SMT Plug	Mating Height
20579-001E	20462-001E	1.2 max.



Recommended footprint pattern

【Material and Finish】

Parts	Material	Plating / Color
HOUSING	LCP UL94V-0	BLACK
CONTACT	COPPER ALLOY	Au
GROUND CONTACT	COPPER ALLOY	Au

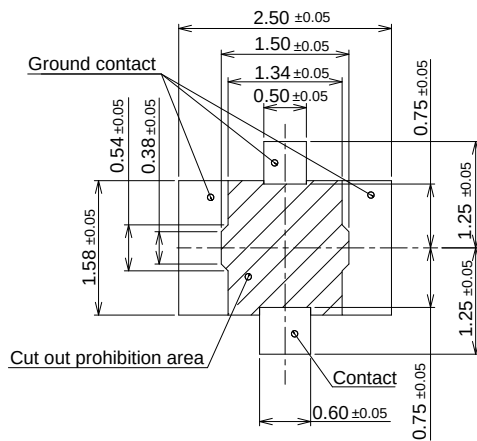
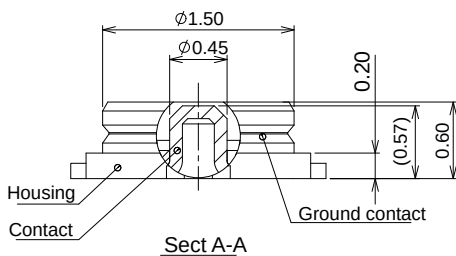
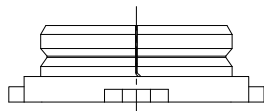
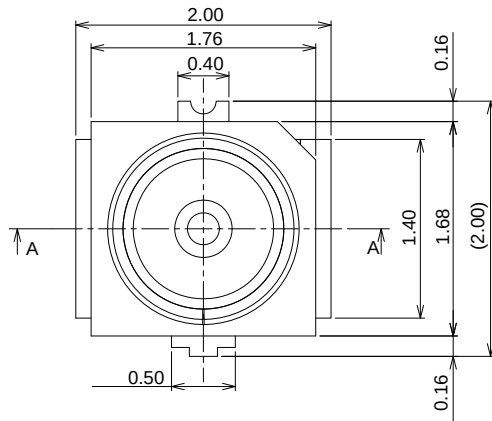
MHF[®] 4 Receptacle

【Part Number】

20449-001 E - **

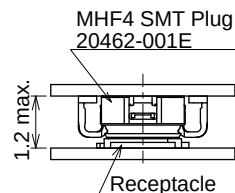
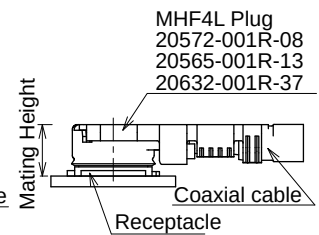
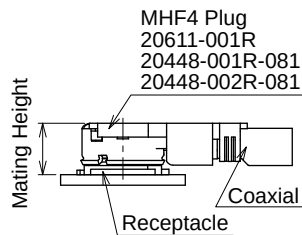
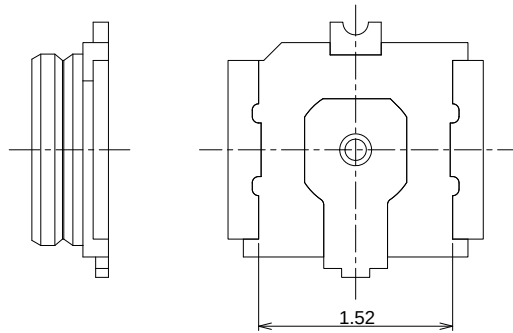
①

②



Recommended foot print pattern

①	Packaging	E	Emboss Tape
②	Packaging Quantity	- 03	10,000 pcs/reel
		- 07	2,500 pcs/reel



Mating

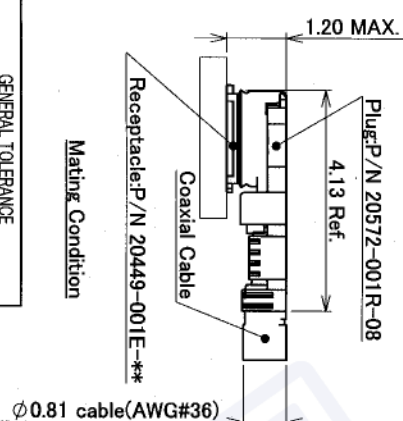
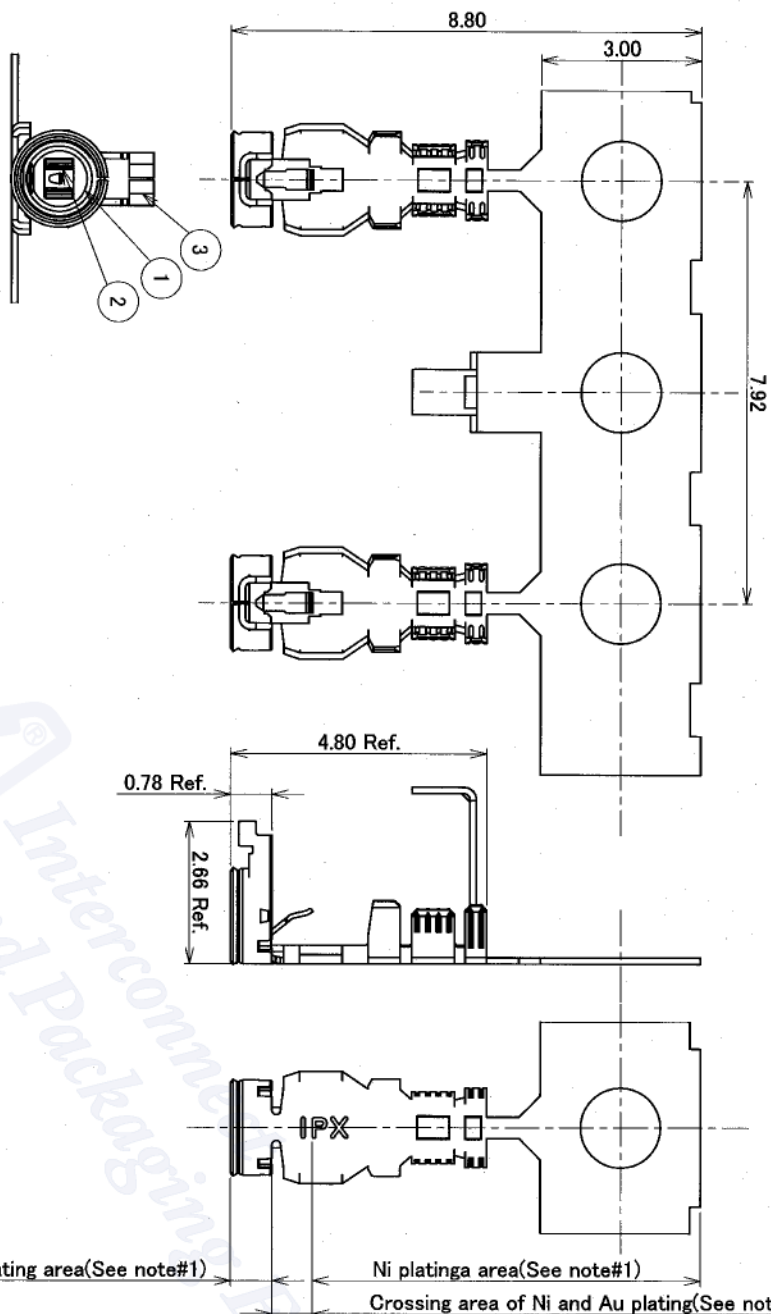
Mating partner part No.

Receptacle	Plug	Mating Height
20449-001E-**	20611-001R 20448-001R-081 20448-002R-081 20572-001R-08	1.2 max.
	20565-001R-13	1.4 max.
	20632-001R-37	1.7 max.

Receptacle	SMT Plug	Mating Height
20449-001E-**	20462-001E	1.2 max.

【Material and Finish】

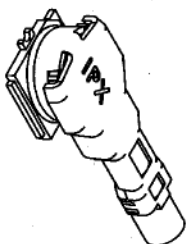
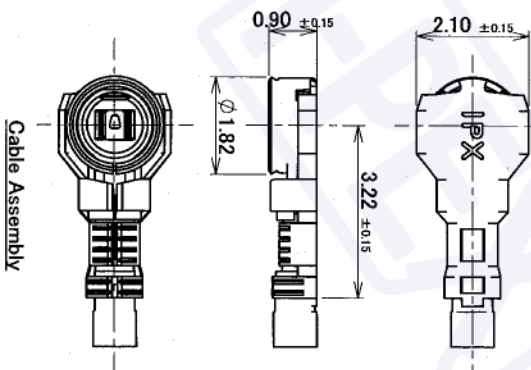
Parts	Material	Plating / Color
HOUSING	LCP UL94V-0	BLACK
CONTACT	COPPER ALLOY	Au over Pd-Ni over Ni
GROUND CONTACT	COPPER ALLOY	Au over Pd-Ni over Ni



Mating Condition

GENERAL TOLERANCE	
6 MAX.	±0.2
6 OVER MAX. 30	±0.3
30 OVER MAX. 120	±0.5
ANGLE	±2°

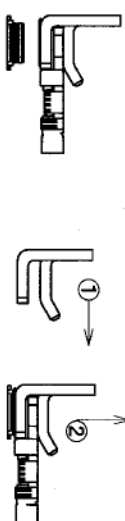
Ø 0.81 cable(AWG#36)



- Notes.
- Material and finish(Plating)
 - Housing PBT(Black) UL94V-0
 - Contact Phosphor bronze : Au over Ni
 - Ground Contact Phosphor bronze
 - Plating area : Au over Ni
Ni plating area : Ni only
 - Packing Reel
 - Mating and unmating instruction
 - Mating
Mate the connector vertically as much as possible, adjusting the mating axis of plug and receptacle. Do not slant mate.
 - Unmating
3-2-1 In case of unmating by pulling tool(P/N90609-0001) 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.

Note 3-1

Note 3-2-1



Note 3-2-2



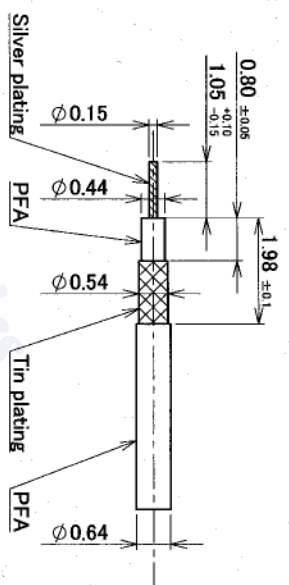
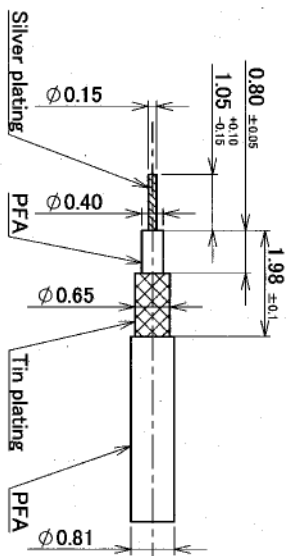
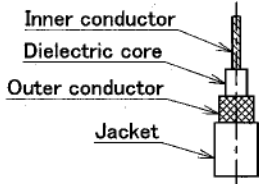
IPEX DAICHI SEIKO CO.,LTD.
IPEX Business Company

MHF4L PLUG CONNECTOR

SERIES No.	R3	CUSTOMER COPY	PROJECTION	SCALE	UNIT	DWG. No.	SHEET	REV.
				10:1	mm	20572	1/2	2

Part No.

20572-001R-08

Applicable cable
strip dimension

Notes

1. Must not use solder coater inner conductor and outer conductor
2. Requirements
 - Characteristic impedance : $50(\pm 3)\Omega$ by TDR method
 - Nominal capacitance (Reference value) : 96pF/m
 - Conductor resistance of inner conductor at $293(\text{Reference})$: $OD0.81\text{type}/OD0.64\text{type} \cdots 1400\Omega/\text{km}$
 - Insulation resistance : $OD0.81\text{type}/OD0.64\text{type} \cdots 1000\text{M}\Omega\cdot\text{km MIN.}$
 - Dielectric with stance voltage : $OD0.81\text{type} \cdots$ No breakdown at AC1500V for 1 minutes.
 - $OD0.64\text{type} \cdots$ No breakdown at AC500V for 1 minutes.

Braided shield of
Outer conductor

Single braided shield

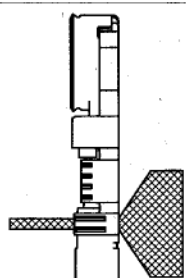
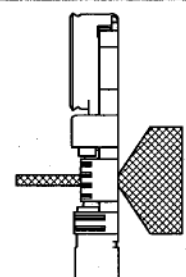
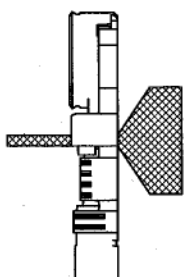
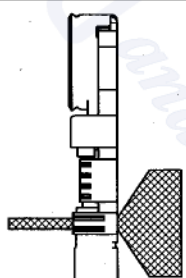
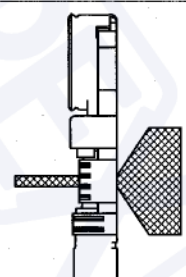
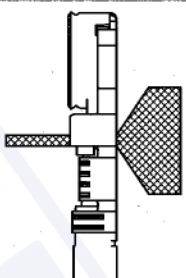
P/N of semi auto
termination machine

90599-008

Single spiral shield

90599-006

Crimp Height



CH-1(-Fit part):0.83~0.87

CH-2(Shield part):0.76~0.80

CH-3(Jacket part):0.92~0.96

CH-1(-Fit part):0.81~0.85

CH-2(Shield part):0.73~0.77

CH-3(Jacket part):0.71~0.75

GENERAL TOLERANCE

6 MAX.	± 0.2
6 OVER MAX. 30	± 0.3
30 OVER MAX. 120	± 0.5
ANGLE	$\pm 2^\circ$

TITLE

MHF4L PLUG CONNECTOR

IPPEX I-PEX Business Company

CUSTOMER
COPYSCALE
20:1 mmUNIT
mmDWG. No.
20572SHEET
2/2REV.
2