

MHF[®] 4 Plug Cable Assembly

Mating profile : **1.2mm MAX.**

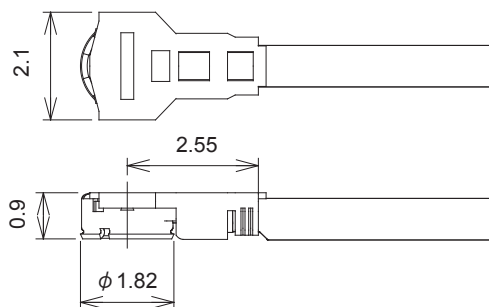
Applicable for AWG36 ($\phi 0.81\text{mm}$) Cable

【Part Number】

Ground Contact : **Au Plating**

20448 - 001 R -081

Packing : Reel
1 reel : 2,000pcs



【Applicable Cable gauge】

Part No. (Au)	20448-001R-081
Part No. (Ag)	-
	for AWG#36
Technical drawing of the cable assembly cross-section. Dimensions include: 1.16 ± 0.09, 0.30 ± 0.1, 1.02 ± 0.1, $\phi 0.42$, Dielectric core, $\phi 0.65$, Outer conductor, $\phi 0.81$ Jacket, and a minimum dimension for the braided shield. Labels include: AWG#36(7/0.05) Inner conductor, Dielectric core, Outer conductor, Jacket, and Braided Shield of Outer Conductor.	
Braided Shield of Outer Conductor	Single Braided Shield

MHF[®] 4 SMT Plug

Mating profile : **1.2mm MAX. + FPC**

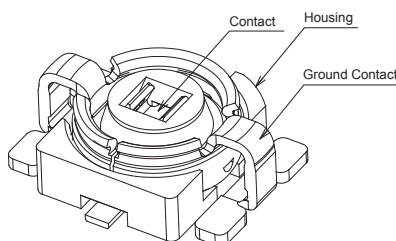
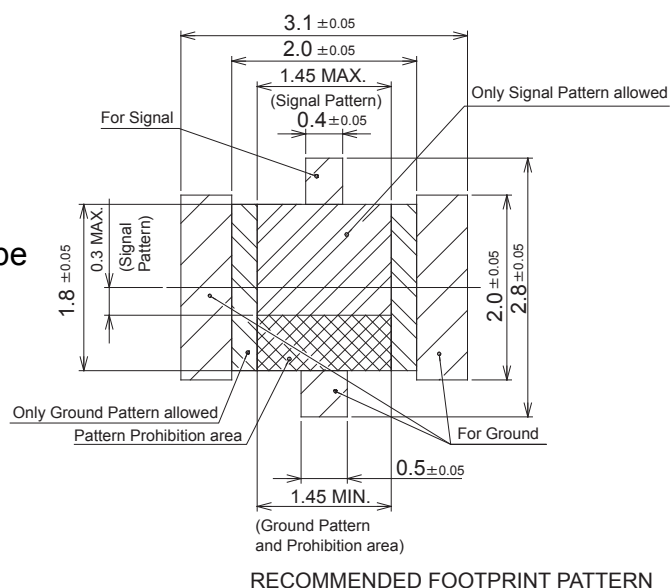
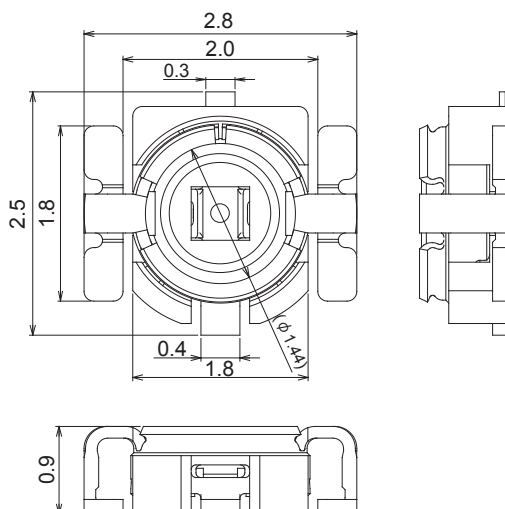
Applicable for FPC

【Part Number】

Ground Contact : **Au Plating**

20462 - 001 E

※ Packing : Emboss Tape
1 reel : 5,000pcs



【Material and Finish】

Parts	Material (Plug)	Material (SMT Plug)	Plating / Color
HOUSING	PBT UL94V-0	LCP UL94V-0	BLACK
CONTACT	COPPER ALLOY	COPPER ALLOY	Au
GROUND CONTACT	COPPER ALLOY	COPPER ALLOY	Au

MHF[®] 4 Receptacle

【Part Number】

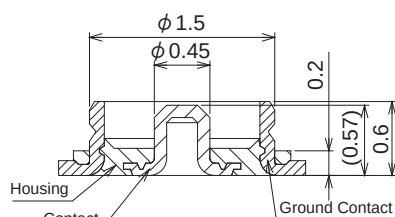
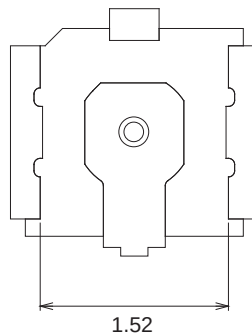
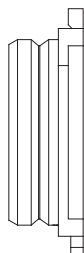
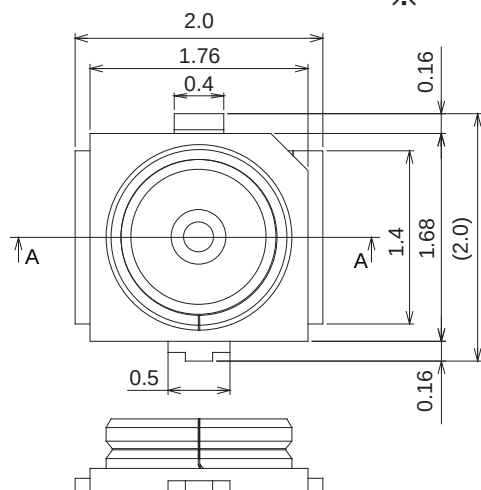
Ground Contact : **Au** Plating

20449-001 E

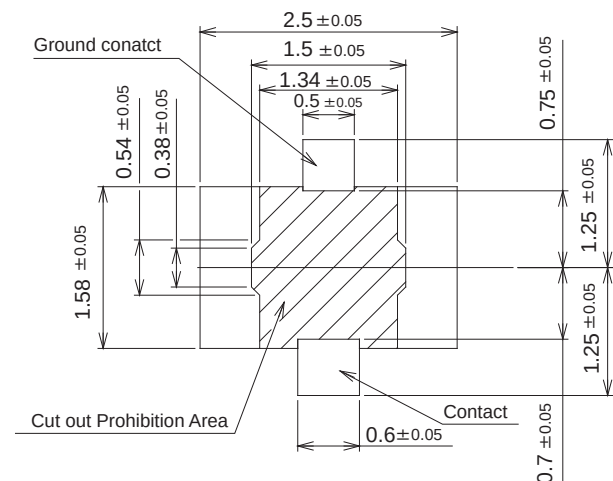
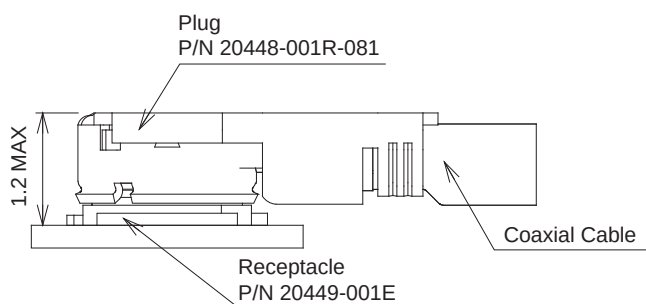
※

※Packing : Emboss Tape

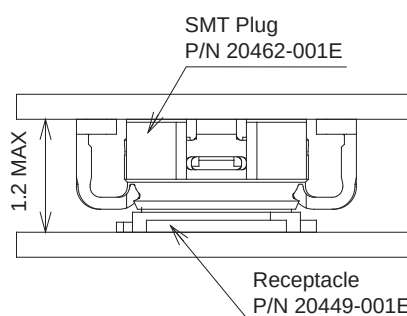
1reel : 10,000pcs



Sect. A-A



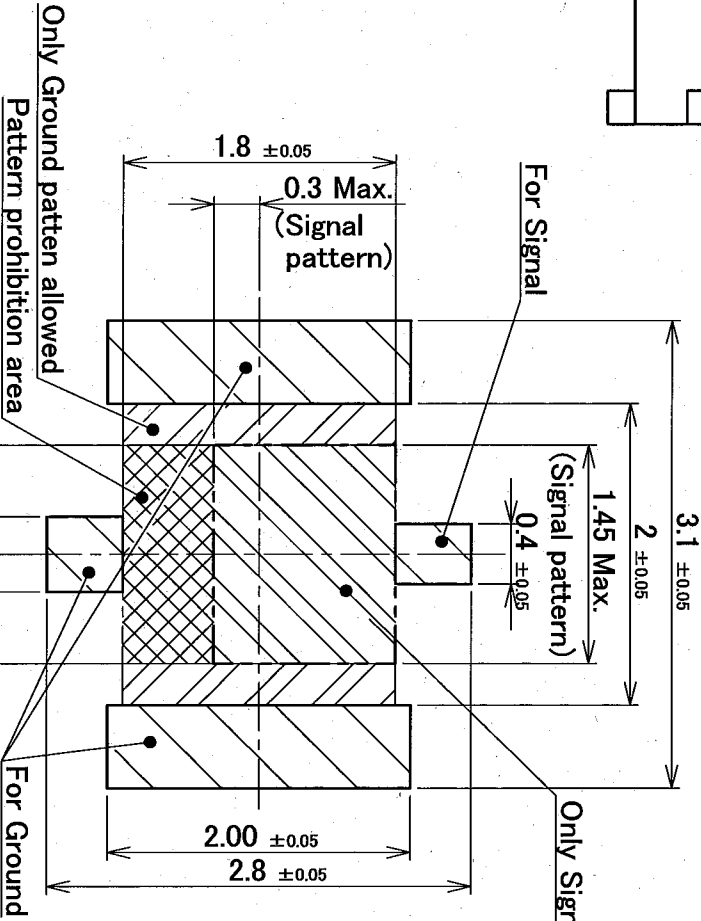
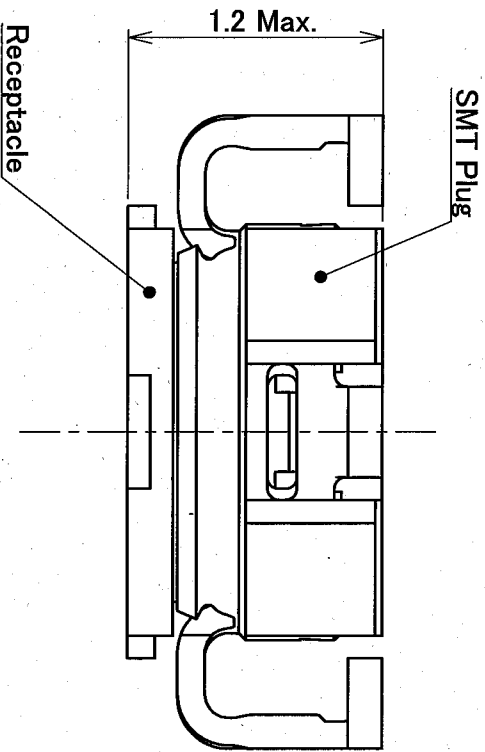
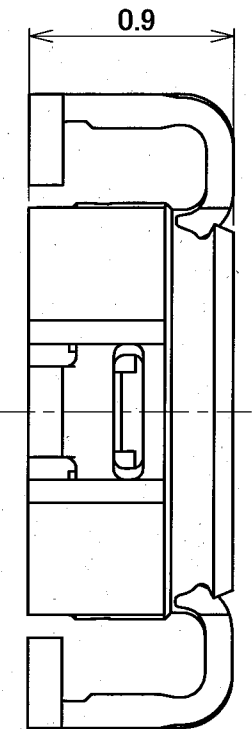
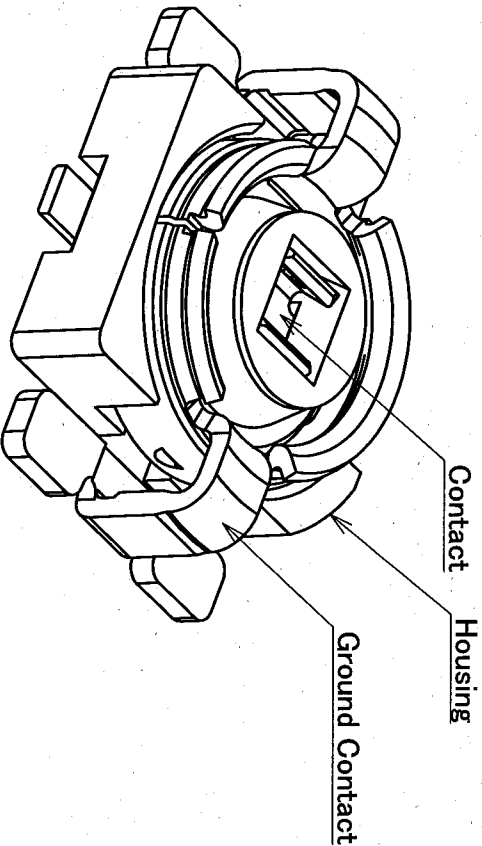
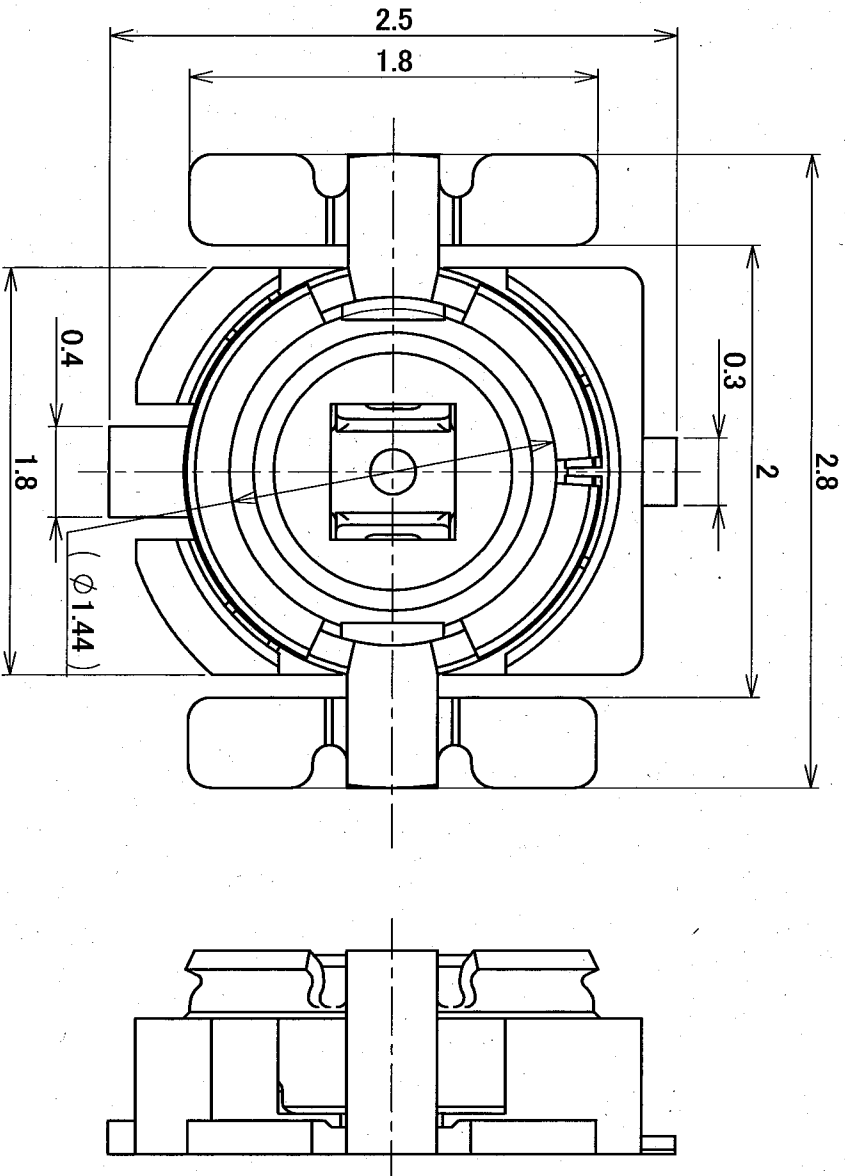
RECOMMENDED FOOTPRINT PATTERN



MATED VIEW

【Material and Finish】

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



Notes.

1. Material and Finish
Housing : LCP Black UL94V-0
Contact : Phosphor bronze
Au over Pd+Ni
Ground Contact : Phosphor bronze
Au over Pd+Ni
2. SMT Coplanarity : 0.1 Max.
3. About Foot pattern layout, Signal pattern and Ground pattern must be separated the right amount distance.

Recommended Footprint pattern layout(30:1)
(See Note#3)

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

4	Z13855	T.S	Sep./09/'13	DESIGNED BY	DATE	DA-ICHI SEIKO CO.,LTD. i-Pex Business Company	
3	Z08303	K.Y	Jul./02/'08	E.K	Nov./07/'07		
2	Z08107	K.Y	Mar./05/'08	E.K	DATE		
1	Z07592	K.Y	Nov./09/'07	T.H	DATE		
0	Z07585	K.Y	Nov./07/'07	APPD BY	DATE	TITLE	
REV	ECN	BY	DATE	APP			
REV/RECORD		R5					
SERIES No.		R5				MHF4 SMT PLUG ASS'Y	
CUSTOMER COPY		PROJECTION				SCALE	UNIT
		10:1				mm	DWG. No.
							20462
						SHEET	REV.
						1/1	4