

MHF® II Plug Cable Assembly

Mating Profile : **2.1mm MAX.**

Applicable for AWG36(ϕ 0.81mm), AWG33(ϕ 0.95mm) Cable

【Part Number】

Ground Contact : **Au** Plating

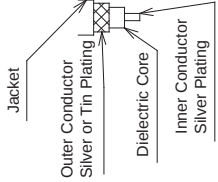
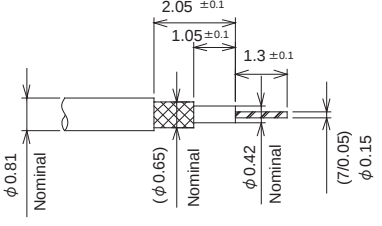
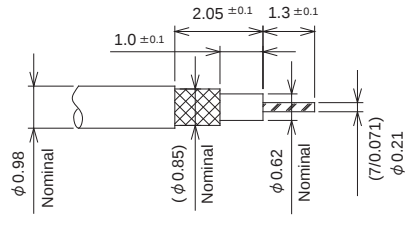
20311-011 R- * *
 ① ②

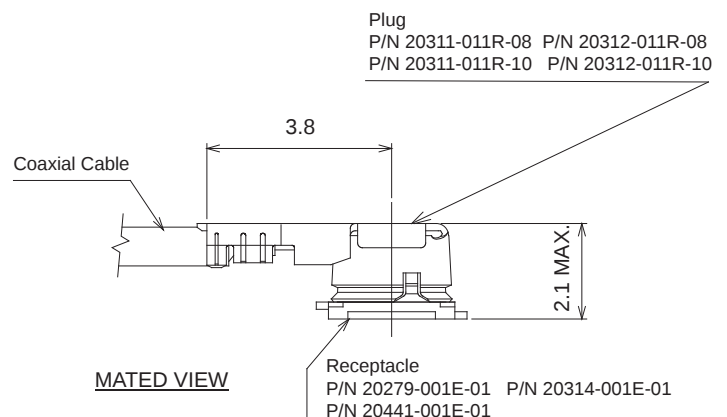
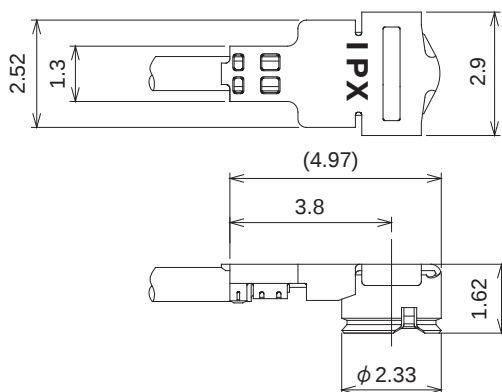
Ground Contact : **Ag** Plating

20312-011 R- * *
 ① ②

①	Packing	R	Reel 1reel : 2,000pcs
②	Applicable Cable Size	-	08, 10

【Applicable Cable gauge】

Part No. (Au)	20311-011R-08	20311-001R-10
Part No. (Ag)	20312-011R-08	20312-011R-10
	for AWG#36	for AWG#33
Applicable Cable Nominal Dimension 		
Braided Shield of Outer Conductor	Single Braided Shield	Single Braided Shield



【Material and Finish】

Parts	Material	Plating / Color
HOUSING	LCP UL94V-0	NATURAL
CONTACT	COPPER ALLOY	Au
GROUND CONTACT	COPPER ALLOY	Au or Ag

MHF® Receptacle

3pad type

【Part Number】

Ground Contact : **Au** Plating

20279-001 E- * *

①

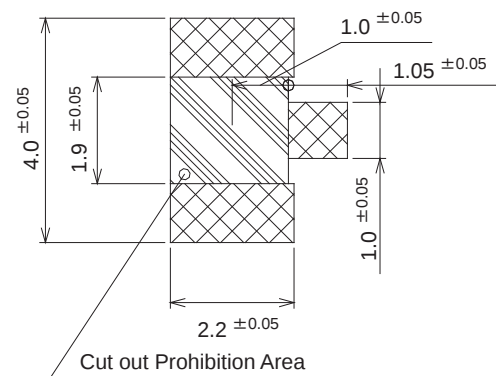
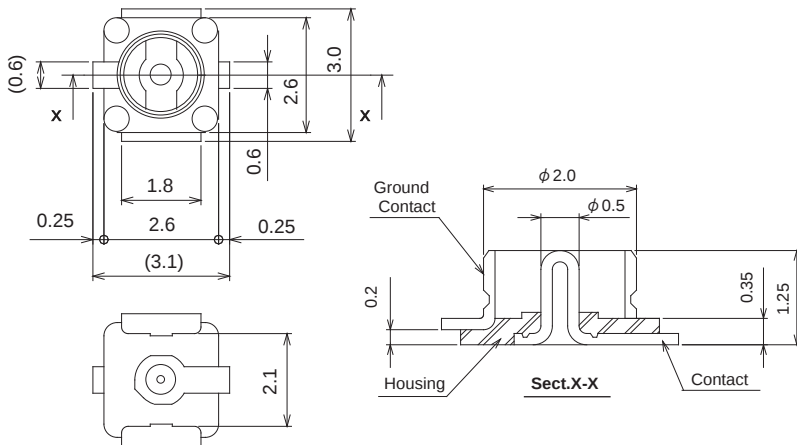
②

Ground Contact : **Ag** Plating

20314-001 E- 01

①

①	Packing : Emboss Tape		
②	1reel	01	2,500pcs
		03	5,000pcs



RECOMMENDED FOOTPRINT PATTERN

4pad type

【Part Number】

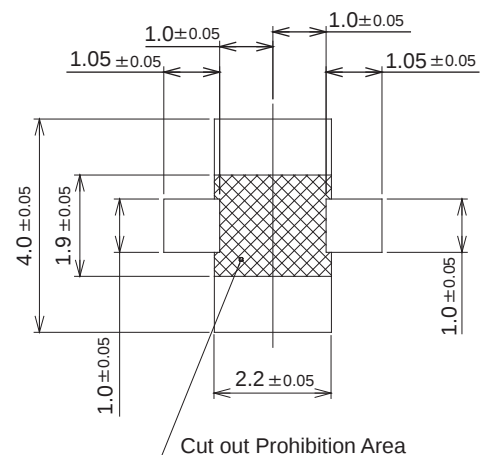
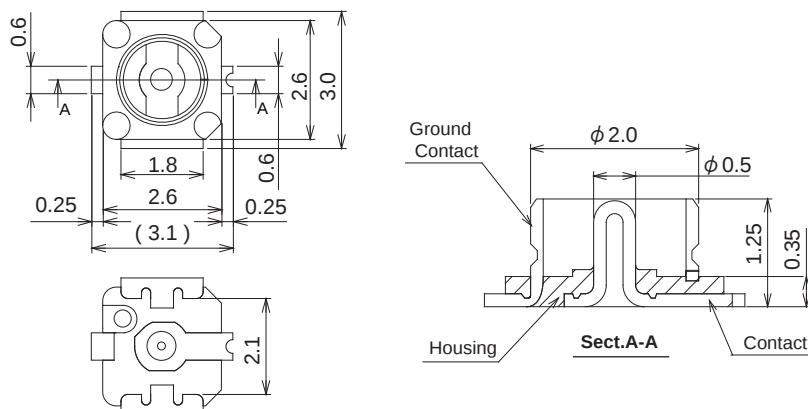
Ground Contact : **Au** Plating

20441-001 E- 01

※

※ Packing : Emboss Tape

1reel : 5,000pcs



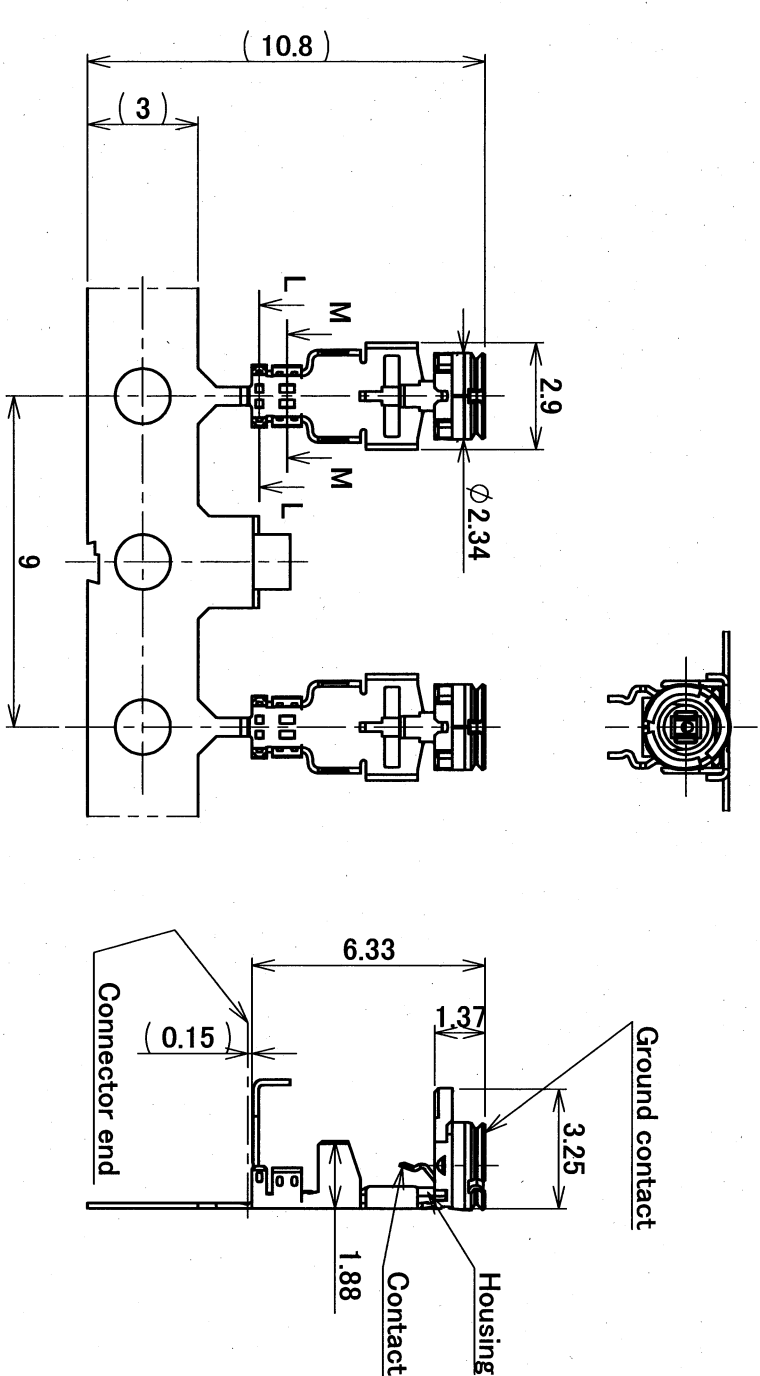
RECOMMENDED FOOTPRINT PATTERN

【Material and Finish】

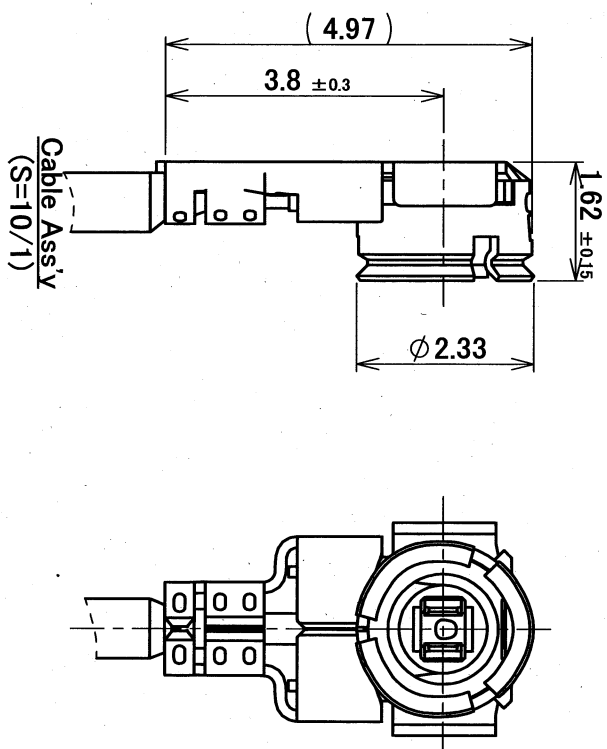
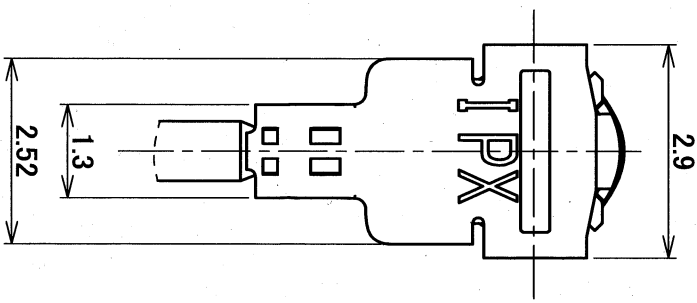
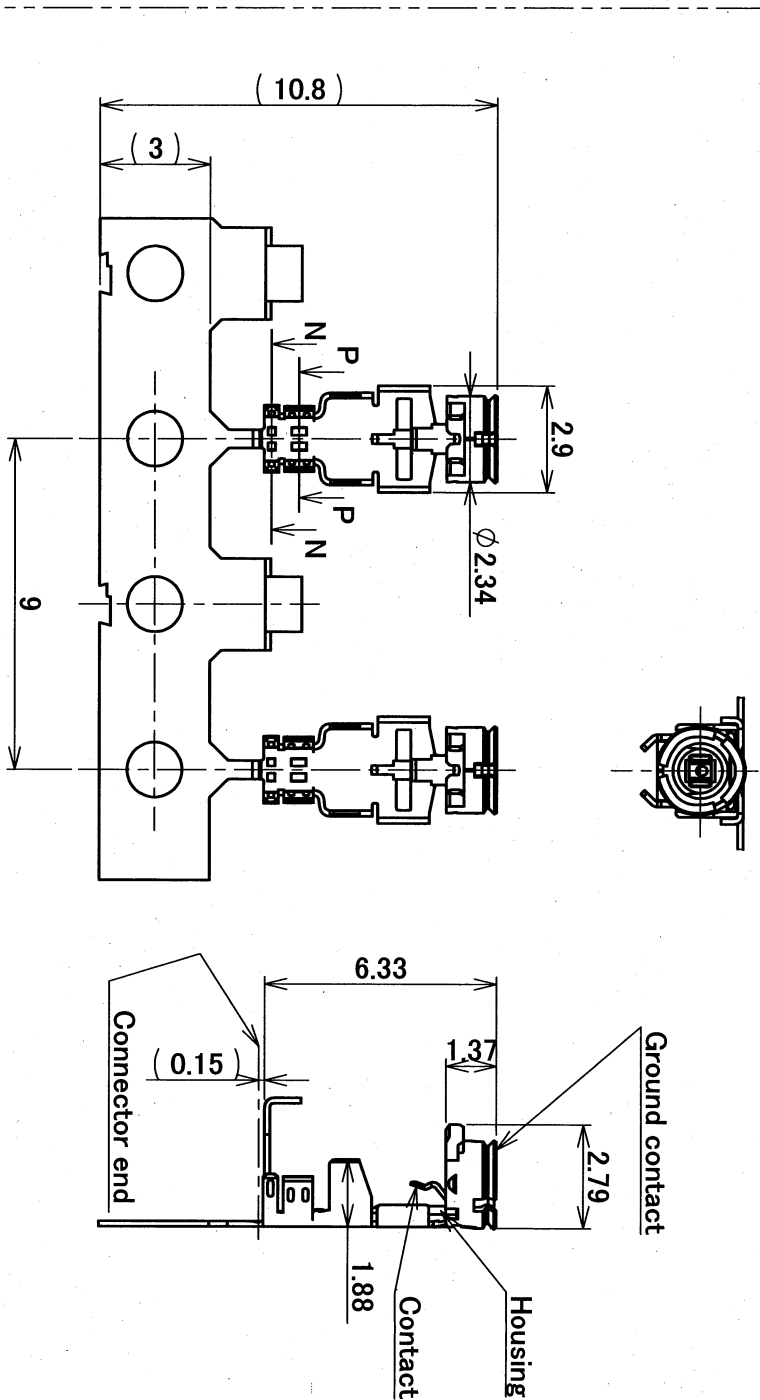
Parts	Material	Plating / Color (3pad)	Plating / Color (4pad)
HOUSING	LCP UL94V-0	NATURAL	BLACK
CONTACT	COPPER ALLOY	Au	Au
GROUND CONTACT	COPPER ALLOY	Au or Ag	Au

Recommended P/N 20311-011R-**-**

PART NO.	Cable
20311-011R-08	FOR AWG#36(See sheet 2/4)



PART NO.	Cable
20311-011R-10	FOR AWG#33(See sheet 3/4)



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

14	Z150615	Tad	Jun./04/'15	Tom	DESIGNED BY	DATE	I-PEX DA-ICHI SEIKO CO.,LTD. I-Pex Business Company
13	Z12947	S.M	Oct./31/'12	Tom	A.HINO	Mar./06/'02	
12	Z12058	J.T	Jan./25/'12	E.K	CHK'D BY	DATE	
11	Z11521	H.M	Oct./18/'11	E.K	E.Kawabe	Mar./07/'02	
10	Z11294	A.F	Jun./30/'11	E.K	APP'D BY	DATE	
REV	ECN	BY	DATE	APP	K.Katabuchi Mar./07/'02		TITLE MHF II Connector (Ground Contact : Gold Plating)
REV/RECORD					CUSTOMER	PROJECTION	
SERIES No.					R6	SCALE	
					COPY	8:1	UNIT
							mm
							DWG. No.
							20311
							SHEET
							1/4
							REV.
							14

Confidential III C

Part No.	20311-011R-10	Cable cut length
Applicable cable nominal dimension	Must not use solder coated inner conductor and outer conductor 中心導体、外部導体への半田コーティングは不可	
Braided shield of Outer conductor 外部導体の編組	Single / 1重編組	
P / N of semi auto termination machine	90234-010	
Sect. P-P Sect. N-N		
Crimp Height	CH-1	0.82~0.88
	CH-2	0.96~1.04
	CH-3	1.13~1.25

Cable cut length	Crimp Height
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GENERAL TOLERANCE	
6 MAX.	±0.2
6 OVER MAX. 30	±0.3
30 OVER MAX. 120	±0.5
ANGLE	±2°

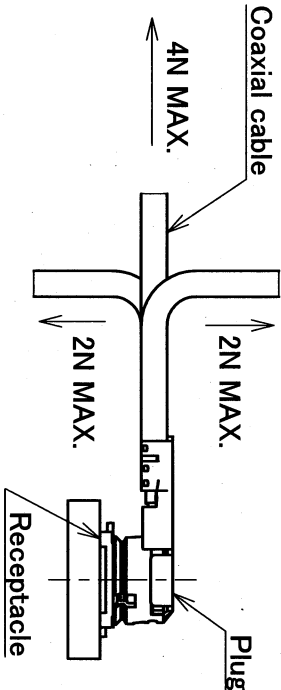
DESIGNED BY	DATE	TITLE				
CHK'D BY	DATE					
APP'D BY	DATE					
CUSTOMER COPY	PROJECTION	SCALE	UNIT	DWG. No.	SHEET	REV.
		8:1	mm	20311	3/4	14

DAI-ICHI SEIKO CO.,LTD.
I-Pex Business Company

MHF II Connector
(Ground Contact : Gold Plating)

Notes

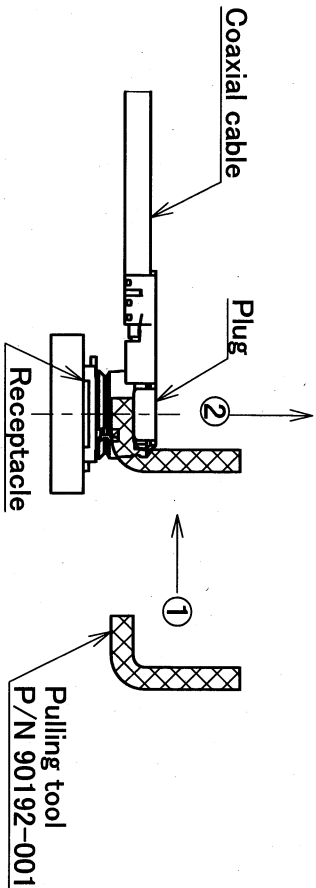
- 1.Material
(1) Housing : LCP , UL94V-0, Natural
(2) Contact
Phosphor bronze : Au over Ni
(3) Ground contact
Phosphor bronze : Au over Ni
2.Packing : reel
3.Mating partner part No.
: 20279-001E-0*, 20441-001E-01
4. Permissible load of cable at mating



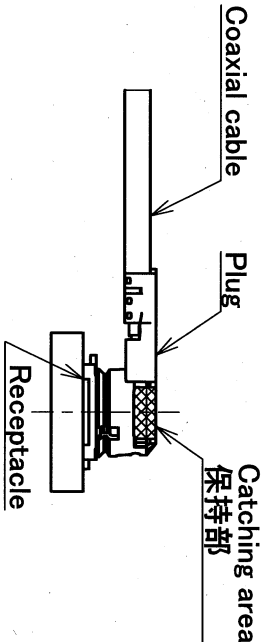
1. 材料
(1) ハウジング : LCP , UL94V-0, 白色
(2) コネクタ
りん青銅 : 金メッキ、下地 ニッケルメッキ
(3) グランドコネクタ
りん青銅 : 金メッキ、下地 ニッケルメッキ
2. 梱包 : リール
3. 嵌合相手 part No.
: 20279-001E-0*, 20441-001E-01
4. コネクタ嵌合後のケーブルに対する荷重

6. コネクタかん合時および抜去時の注意
6-1 コネクタ挿入時
PlugとReceptacleの嵌合軸を合わせ、
できるだけ垂直に挿入して下さい。
極端な斜め挿入は行わないで下さい。
コネクタ破損の原因となりますので、過度なこじり
挿抜は行わないで下さい。

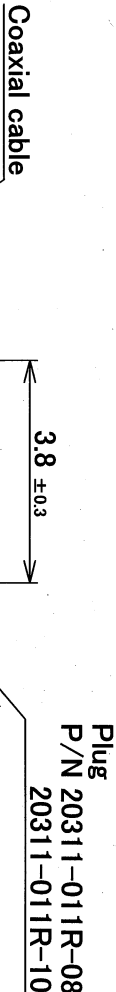
- 6-2 Unmating.
(1) In case of unmating by
pulling tool.
Please use the following
drawing,
and please pull plug to
vertical direction as directly
as possible.



- (2) In case of unmating directly
by hand
Please catch the catching area
of plug , and please pull plug
to vertical direction as directly
as possible.
(2) 手で直接引き抜く場合
下図の保持部をつかみ、できる
だけ垂直に引き抜いて下さい。



6. Suggestions for mating & unmating
operation.
6-1 Mating.
Please mate the connector straightly
to vertical direction as much as
possible, adjusting the mating axis
of plug and receptacle.
As excessive slant angle mating may
break the connector , please don't
do it.



MATING

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

I-PEXDAI-ICHI SEIKO CO.,LTD.
I-PEX Business Company

DESIGNED BY	DATE	TITLE MHF II Connector (Ground Contact : Gold Plating)			
CHK'D BY	DATE				
APP'D BY	DATE				
CUSTOMER COPY	PROJECTION	SCALE	UNIT	DWG. No.	SHEET
		-/-	mm	20311	4/4
					REV. 14