

Recommended P/N20279-001E-03

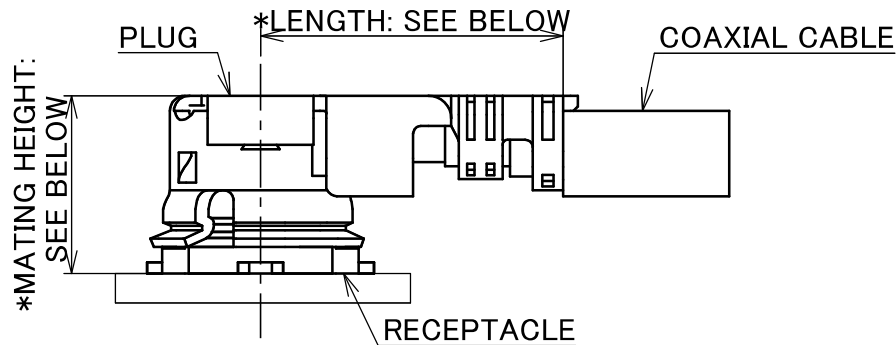
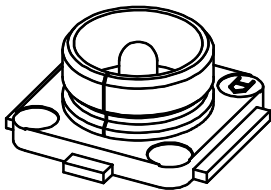
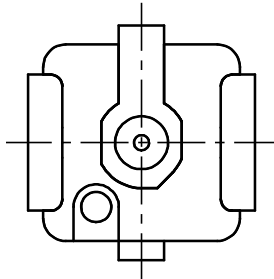
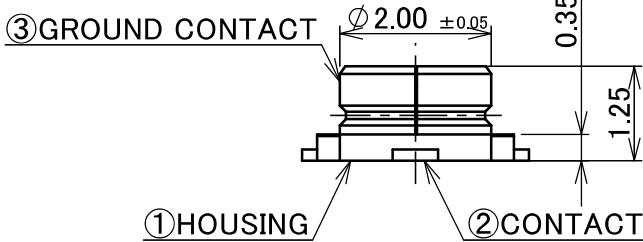
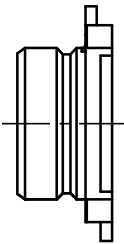
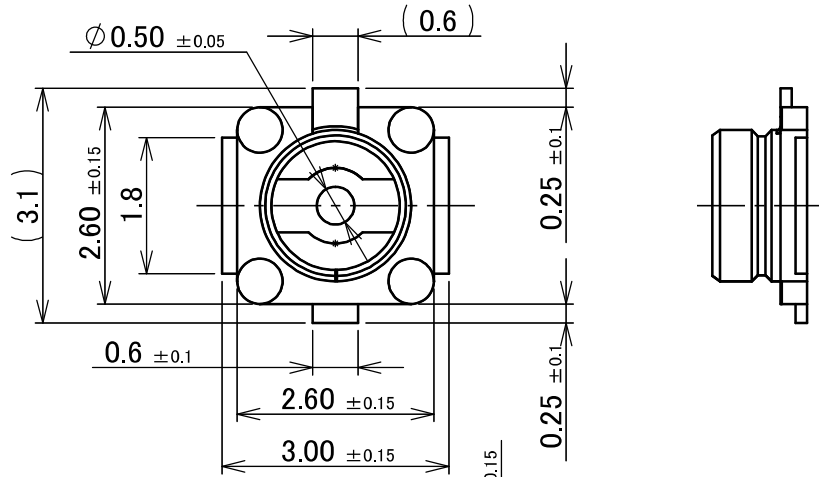
PART NO.	PACKING REEL	QUANTITY IN 1 REEL
20279-001E-01	PLASTIC REEL	2,500
	CORRUGATED PAPER REEL	2,500
20279-001E-03	PLASTIC REEL	5,000
20279-001E-05	PLASTIC REEL	10,000



Halogen Free




RoHS Compliant



*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)
*MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-**
(2.9 MAX. AT MHF I LK LOCKED CONDITION)
3.0 MAX. AT PLUG PART NO. 20767-001R-20
MATING CONDITION

- NOTES
1. APPLICABLE CONNECTOR PART NO.
20278-112R-**
20351-12R-37
20631-112R-**
20670-001R-**
20767-001R-20
 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 0.05 μ m MIN. SOLDERING PART Au 0.05 μ m MIN.
2	CONTACT	BRASS	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

34	Z250723	TOI	2025/05/12	Yufu	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R9	CUSTOMER COPY		
33	Z241399	TOI	2024/10/08	Yufu	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
32	Z231442	K.T	2023/12/04	Y.H	GENERAL TOLERANCE.				TITLE MHF® I RECEPTACLE	SCALE 10:1	UNIT mm	I-PEX	
31	Z230930	K.M	2023/08/08	Y.H	DWG.	K.Oobayashi		DATE 2001/06/07					
30	Z230799	Y.I	2023/07/12	M.T	CHK.								
29	Z230201	TOI	2023/02/20	Y.H	E.Kawabe								
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.	20279	SIZE A3	SHEET 1/9	REV. 34
REVISION RECORD					K.Katabuchi								

Recommended P/N 20279-001E-03

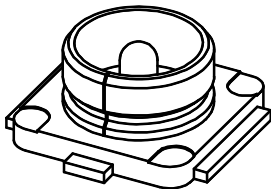
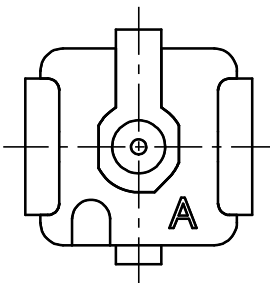
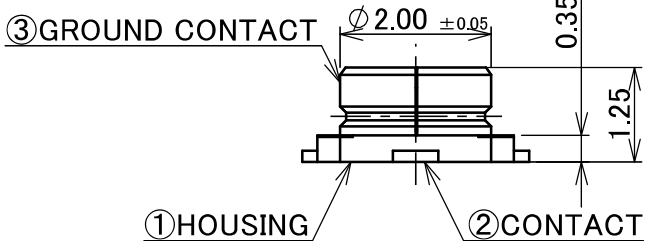
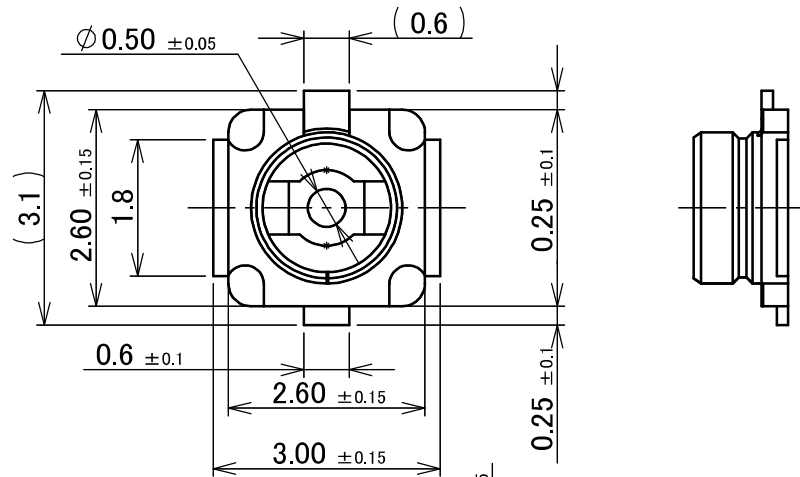
PART NO.	PACKING REEL	QUANTITY IN 1 REEL
20279-001E-06	PLASTIC REEL	10,000



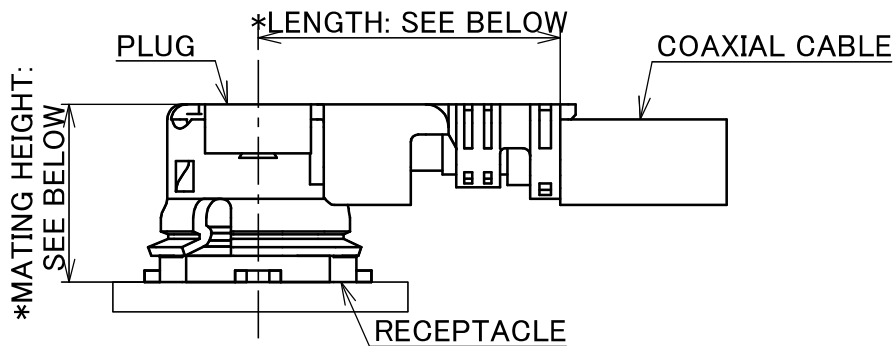
Halogen Free



RoHS Compliant



- NOTES
1. APPLICABLE CONNECTOR PART NO.
20278-112R-**
20351-12R-37
20631-112R-**
20670-001R-**
20767-001R-20
 2. COPLANARITY: 0.1mm MAX.
 3. THIS IS "Pb-FREE" CONNECTOR.



*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)
*MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-**
(2.9 MAX. AT MHF I LK LOCKED CONDITION)
3.0 MAX. AT PLUG PART NO. 20767-001R-20

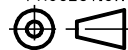

MATING CONDITION

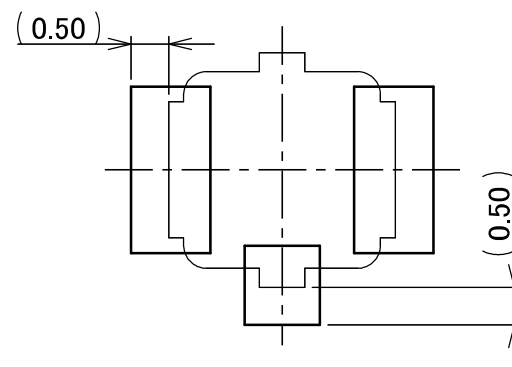
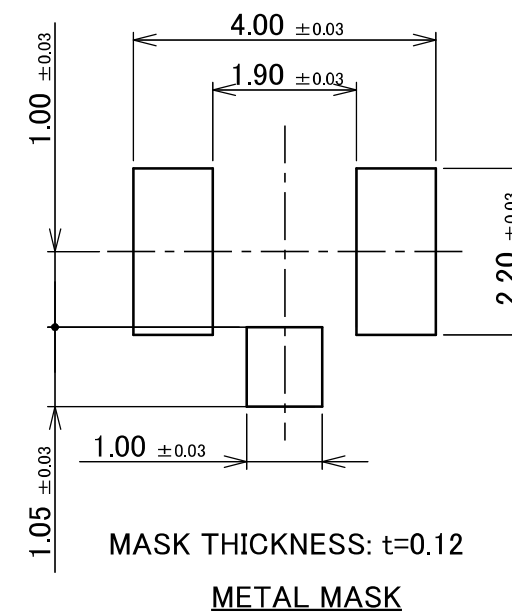
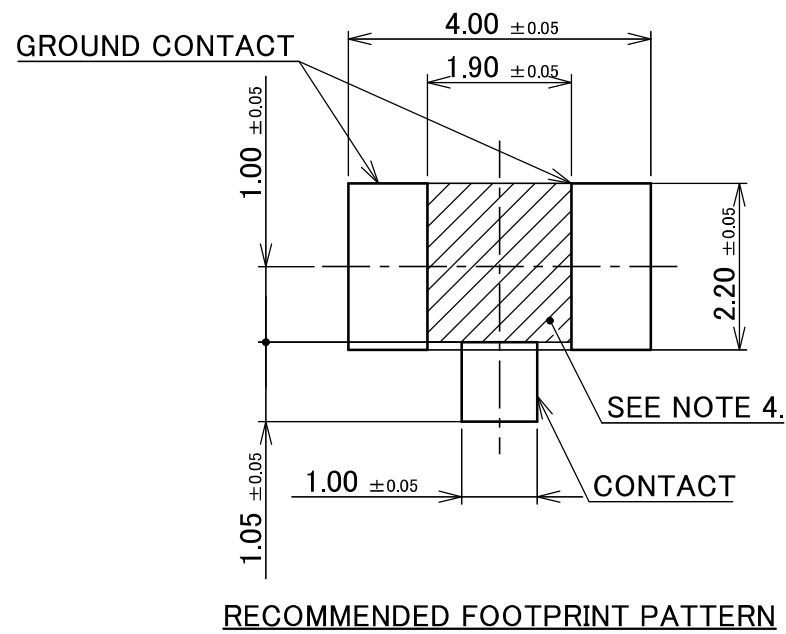
3	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.05 μ m MIN. SOLDERING PART Au 0.05 μ m MIN.
2	CONTACT	BRASS	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0, WHITE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R9	SCALE	I-PEX	
GENERAL TOLERANCE.				TITLE	MHF® I RECEPTACLE	10:1		
DWG.				DATE		UNIT		
CHK.						mm		
APP.						SIZE	SHEET	REV.
				DWG. No.	20279	A3	2/9	34

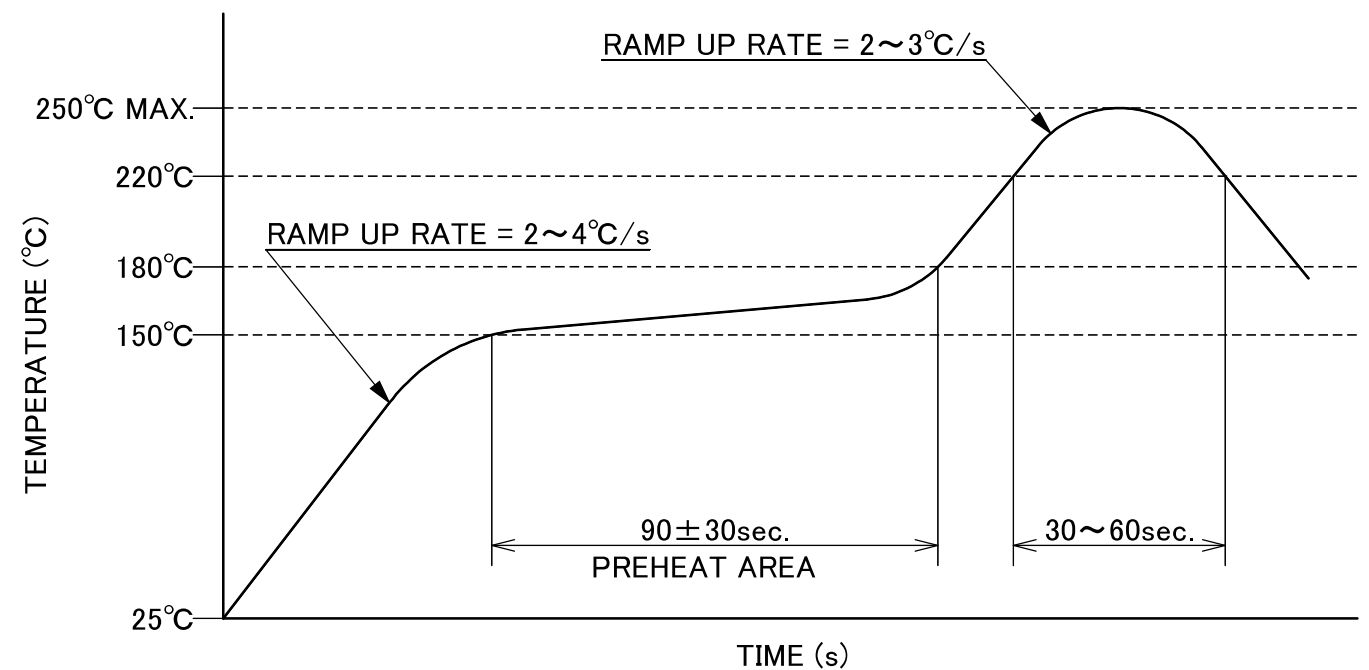
ITEMS	SPECIFICATION			
RECOMMENDED APPLICABLE CONNECTOR PART NO.	20278-112R-** (MHF I PLUG 1.80, 1.32, 1.13, 0.81)	20351-112R-37 (MHF I PLUG 1.37)	20670-001R-** (MHF I PLUG Ni TOP 1.80, 1.37, 1.32, 1.13, 0.81)	20767-001R-20 (MHF I PLUG 2.00)
RATED VOLTAGE	60 V AC (R.M.S)			
RATED FREQUENCY	DC TO 9GHz			
OPERATING TEMPERATURE	233 TO 363K (-40°C TO +90°C)			
VSWR (MATED WITH SMA ADAPTER PART No. 90193-002)	RECEPTACLE: 1.30 MAX. AT 0.1-3 GHz, 1.40 MAX. AT 3-6 GHz, 1.80 MAX. AT 6-9 GHz			
MAIN CONTACT RESISTANCE	INITIAL : 20 mohm MAX. AFTER TEST : 25 mohm MAX.		INITIAL : 20 mohm MAX. AFTER TEST : \angle R 20 mohm MAX.	
GROUND CONTACT RESISTANCE	INITIAL : 10 mohm MAX. AFTER TEST : 15 mohm MAX.		INITIAL : 20 mohm MAX. AFTER TEST : \angle 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)	INITIAL: 5 N MIN. AFTER TEST: 3 N MIN.			
PRODUCT SPECIFICATION	PRS-1676	PRS-1726	PRS-2105	PRS-2490
TEST REPORT	TR-12044	TR-12096	TR-15059	TR-18041
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-17017
APPEARANCE CRITERIA No.	QLS-A***			

※UNLESS OTHERWISE SPECIFIED, 20279-001E-01 WILL BE DELIVERED IN CORRUGATED PAPER REELS.
CONTACT YOUR I-PEX SALES IF YOU WISH FOR PLASTIC REELS.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R9	CUSTOMER COPY					
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5								
GENERAL TOLERANCE.				TITLE MHF® I RECEPTACLE		SCALE					
DWG.	DATE					—					
CHK.						UNIT					
APP.						mm					
				DWG. No.		SIZE	SHEET	REV.			
				20279		A3	3/9	34			

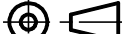


CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



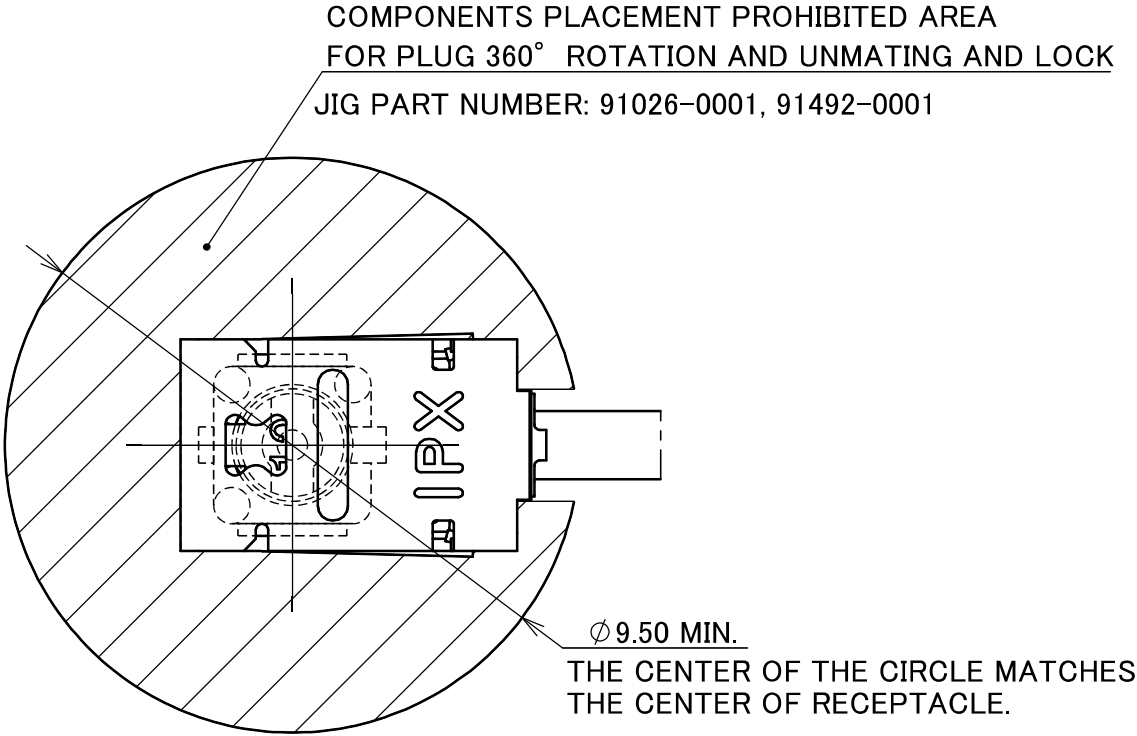
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

NOTES.
4. NO GROUND, SIGNAL, OR RESIST ALLOWED IN THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	<div>PROJECTION</div> 	SERIES No. R9	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				<div>TITLE</div> <div>MHF®I RECEPTACLE</div>		SCALE	<div>I-PEX</div>	
DWG.	DATE					10:1		
CHK.						UNIT		
						mm		
APP.				DWG. No.		SIZE	SHEET	REV.
				20279		A3	4/9	34

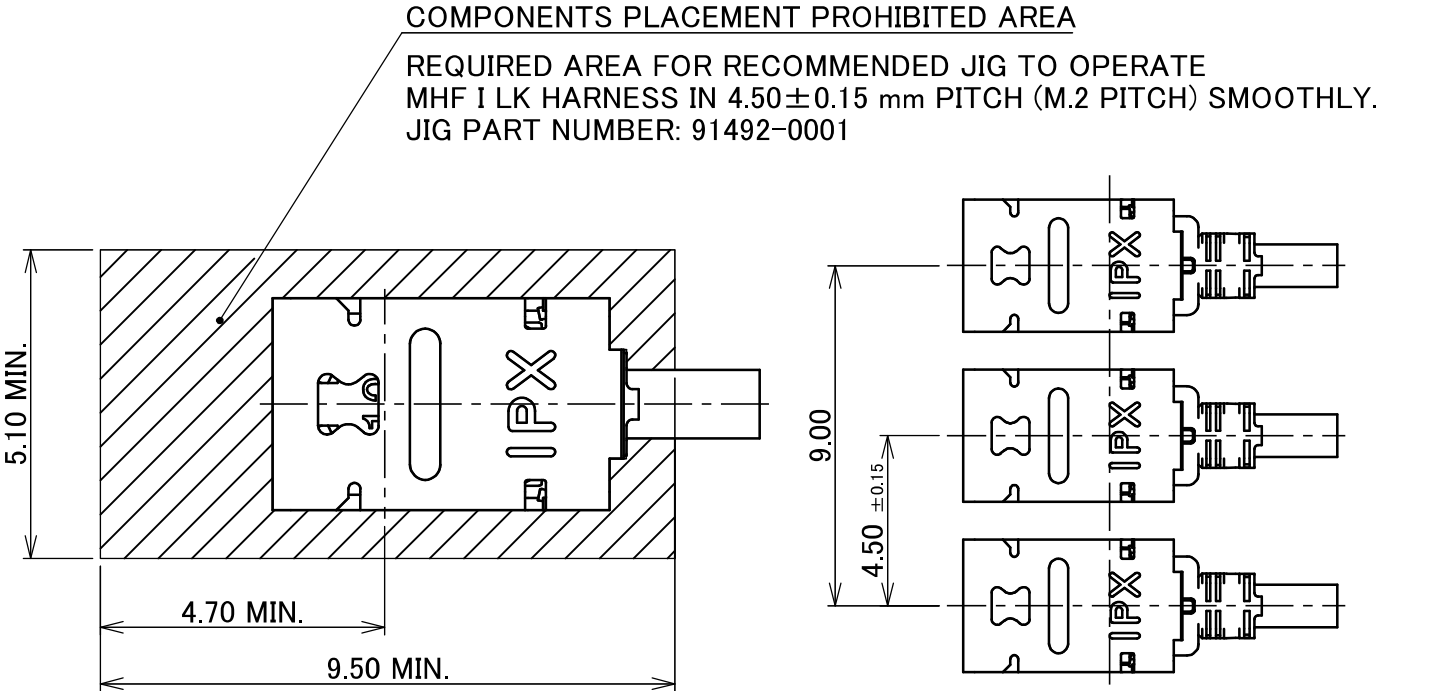
COMPONENT PLACEMENT PROHIBITED AREA FOR MHF I RECEPTACLE MATED WITH MHF I LK HARNESS REQUIRED AREA FOR RECOMMENDED JIG TO OPERATE


SINGLE CONNECTOR LAYOUT



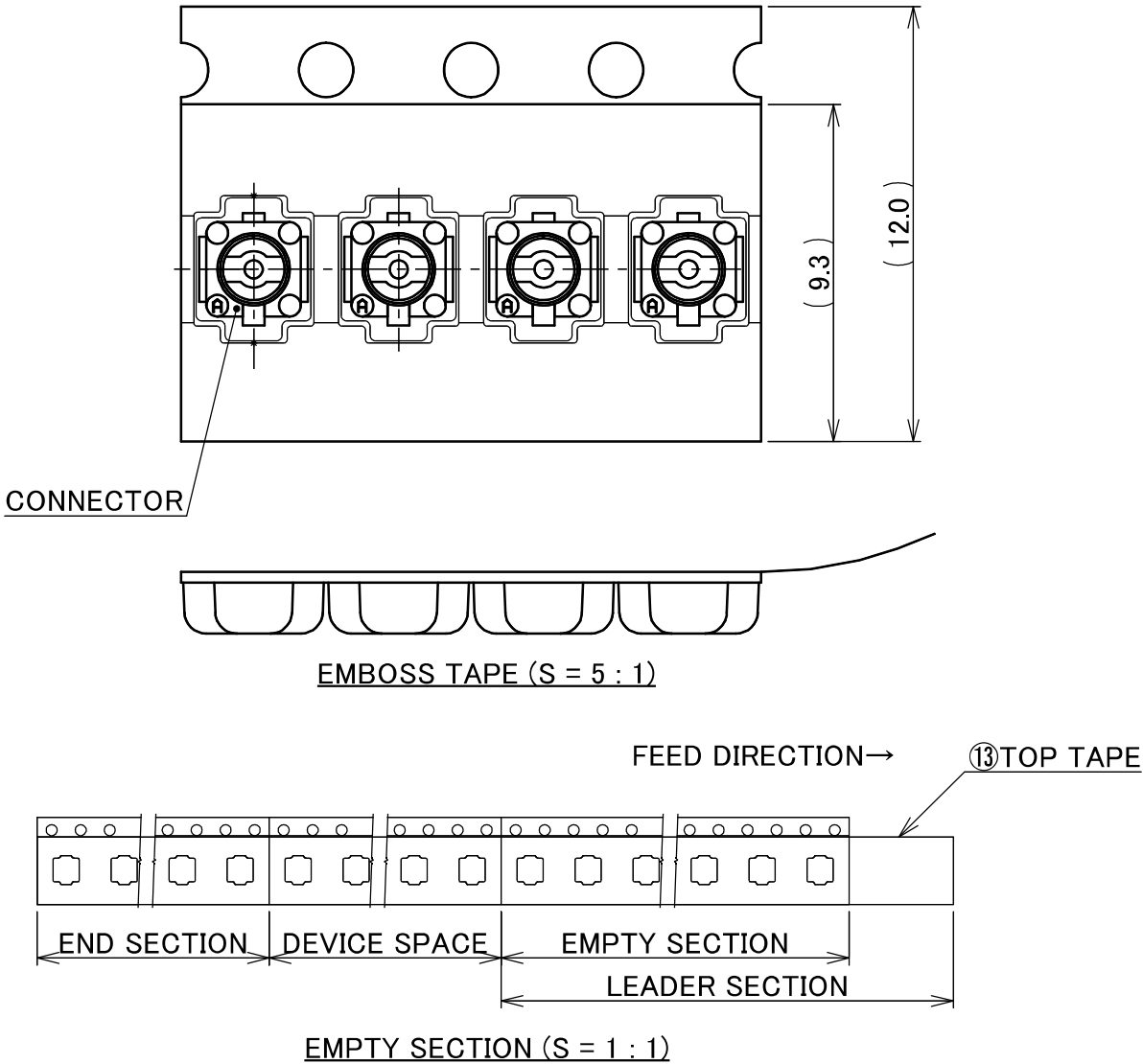
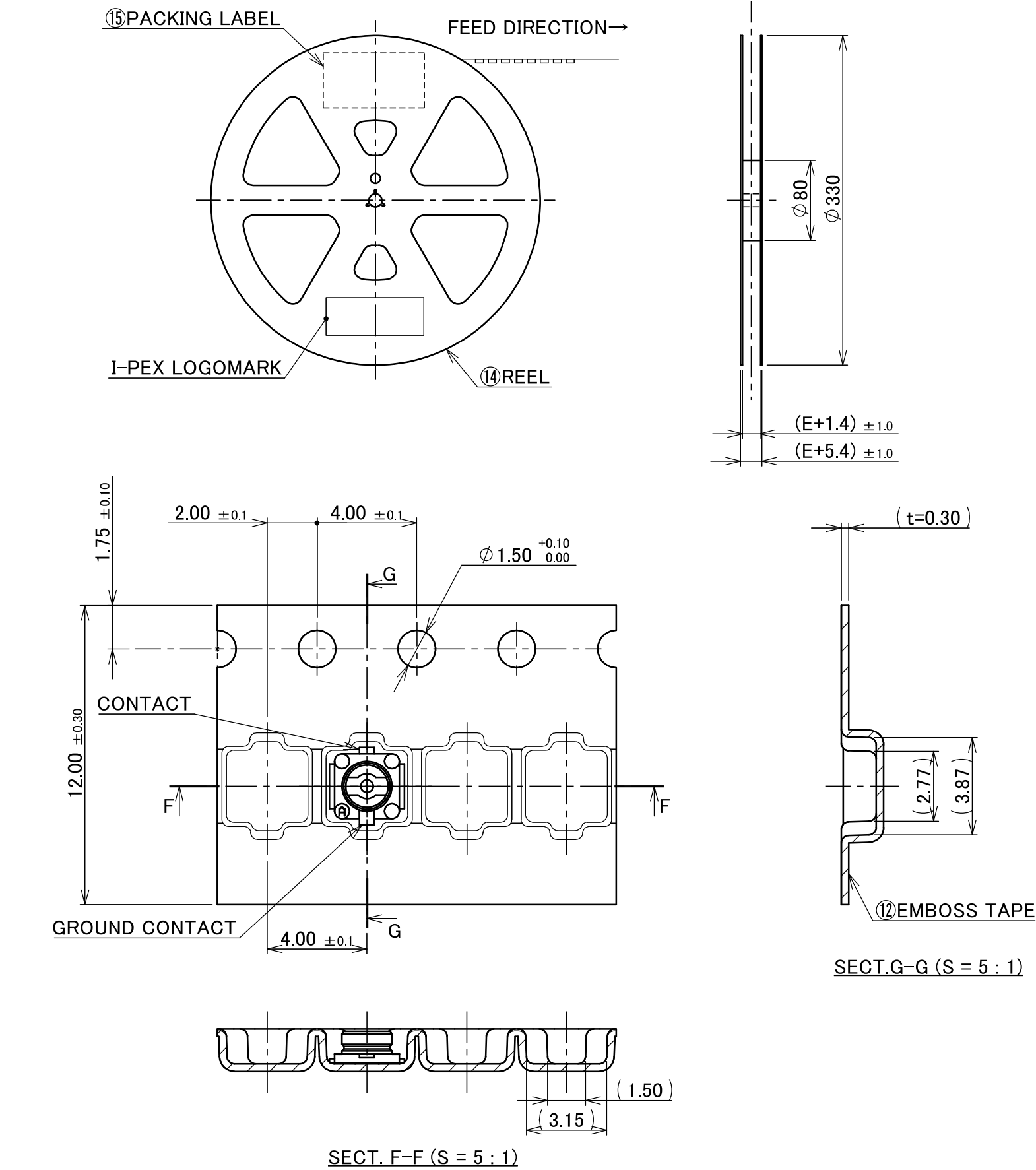
MATING AND LOCK CONDITION
WITH MHF I LK HARNESS

MULTIPLE CONNECTORS LAYOUT



ANGLE	±2°	6 OVER 30 MAX.	±0.3	<div>PROJECTION</div> <div></div>	SERIES No. R9	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MHF® I RECEPTACLE		SCALE	I-PEX	
DWG.	DATE					8:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20279		SIZE A3	SHEET 5/9	REV. 34

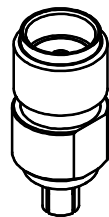
PART NO.	E	QUANTITY PER EMBOSS REEL (PIECES / REEL)	QUANTITY PER PACKING CARTON (REELS / CARTON)
20279-001E-05	12.0	10,000 / REEL	8 REELS / CARTON = 80,000 PIECES
20279-001E-06	12.0	10,000 / REEL	8 REELS / CARTON = 80,000 PIECES



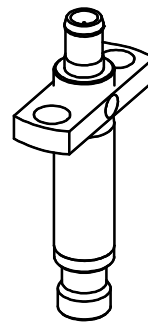
- NOTES.
13. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
14. EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE FOLLOW JIS C 0806 (IEC 60286-3).
15. TOP TAPE SHALL NOT STICK OUT FROM EMBOSSSED TAPING.
16. TOP TAPE SHALL NOT COVER FEED HOLE.

15	PACKING LABEL	-	-
14	REEL	PS	ANTI-STATIC TYPE
13	TOP TAPE	PET	ANTI-STATIC TYPE HEAT ACTIVATED COVER
12	EMBOSS TAPE	PS	ANTI-STATIC TYPE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

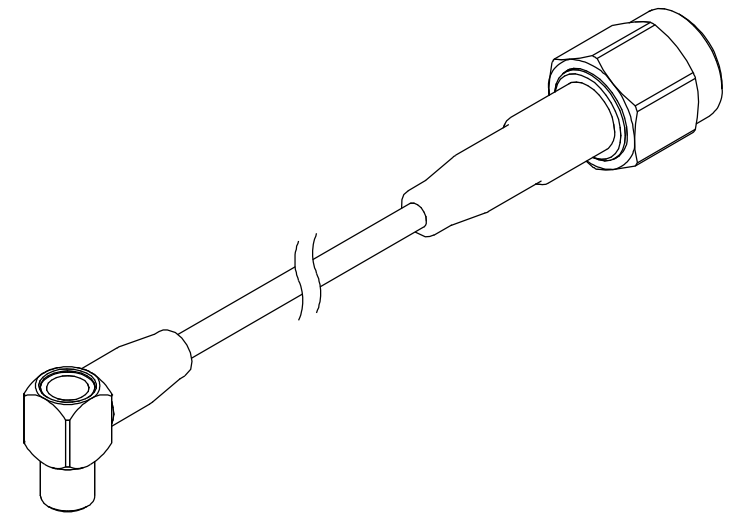
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R9			
GENERAL TOLERANCE.				TITLE	SCALE		UNIT	
DWG.				MHF®I RECEPTACLE	1:X		I-PEX	
CHK.					mm			
APP.					SIZE		SHEET	
				DWG. No.	20279	A3	8/9	REV. 34



MHF I SMA ADAPTER
PART NO. 90193-002





MHF I RECEPTACLE HIGH CYCLE N45 C ADAPTER
PART NO. 90575-0001



MHF SERIES N45 C TO SMA ADAPTER CABLE
PART NO. 90577-****

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

ANGLE	±2°	6 OVER 30 MAX.	±0.3		PROJECTION	SERIES No. R9	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE MHF® I RECEPTACLE			SCALE		
DWG.	DATE						2:1		
CHK.							UNIT mm		
APP.				DWG. No. 20279			SIZE A3	SHEET 9/9	REV. 34