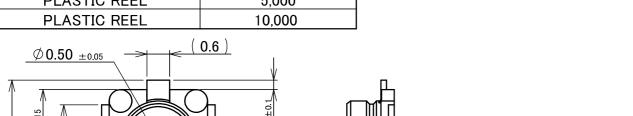
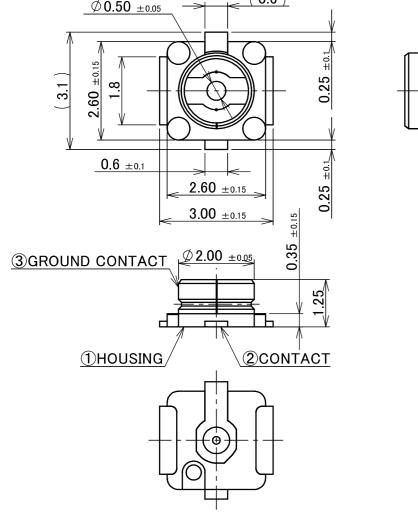
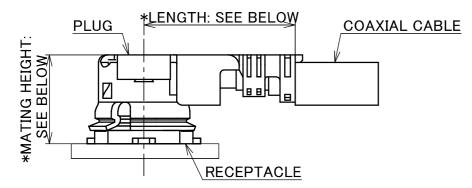
Recommend	ded P/N	20279-0011	E-03	
PART NO.	PAG	CKING REEL	QUANTIT'	Y IN 1 REEL
00070 0015 01	PLA	ASTIC REEL	2,	500
20279-001E-01	CORRUGA	TED PAPER REEL	2,	500
20279-001E-03	PLA	ASTIC REEL	5,	000
20279-001E-05	PLA	ASTIC REEL	10	,000











*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.		JSTOMER	$\circ \circ \circ \circ$
33	Z241399	TOI	2024/10/08	Yufu	6 MAX. ±0.2 30	0 OVER 120 MAX.	±0.5	$ \bigoplus \bigoplus $	R9	60	19 I OMEK	UUPT
32	Z231442	K.T	2023/12/04	Y.H	GENERAL	L TOLERANCE.		TITLE		SCALE		
31	Z230930	K.M	2023/08/08	Y.H		DATE		MHF [®] I	_	10:1	I Do	
30	Z230799	I.Y	2023/07/12	M.T	K.Oobayas	shi 2001/06	3/07	RECEPTACL	.E	UNIT	I-PE	
29	Z230201	TOI	2023/02/20	Y.H	E.Kawabe					mm		
REV.	ECN	BY	DATE	APP.				DWG. No.			SHEET	REV.
	REVI	SION	RECORD		K.Katabuch	hi		202	79	A3	1/9	34

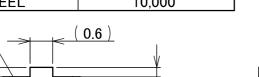
 Recommended P/N
 20279-001E-03

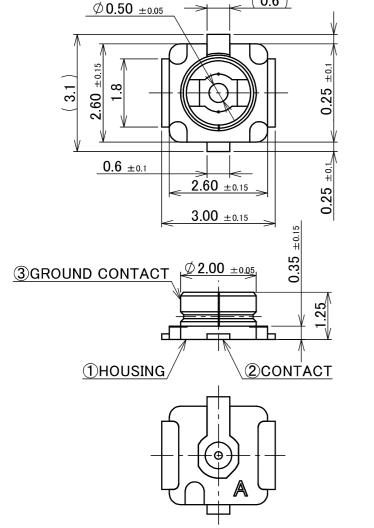
 PART NO.
 PACKING REEL
 QUANTITY IN 1 REEL

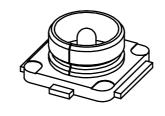
 20279-001E-06
 PLASTIC REEL
 10,000













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.

	PLUG *LENGTH: SEE BELOW	COAXIAL CABLE
HEIGHT:		
G HEI BELC		
*MATIN SEE		
*	RECEPTACLE	

*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

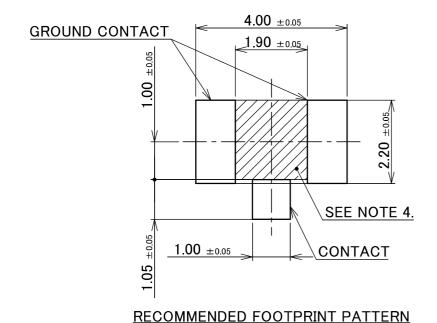
3	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.05 μ m MIN. SOLDERING PART Au 0.05 μ m MIN.
2	CONTACT	BRASS	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0, WHITE
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

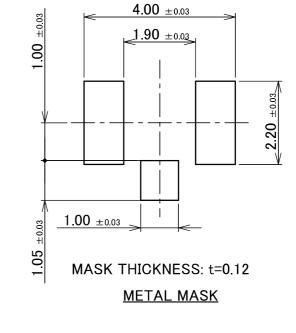
ANGLE ±2° 6 OVER 30 MAX. ±0.3 6 MAX. ±0.2 30 OVER 120 MAX. ±0.5	PROJECTION	SERIES No. R9	Cl	JSTOMER (COPY
GENERAL TOLERANCE.	TITLE		SCALE		
DWG. DATE	MHF® I		10:1		
	RECEPTACL	.E	UNIT	I-PE	:X
CHK.					
			mm		
APP.	DWG. No.		SIZE	SHEET	REV.
	202	/9	A3	2/9	34

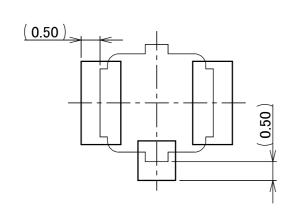
ITEMS		SF	PECIFICATION			
RECOMMENDED APPLICABLE CONNECTOR PART NO.	20278-112R-** (MHF I PLUG 1.80, 1.32, 1.13, 0.81)	20351-112R-37 (MHF I PLUG 1.37)	20670-001R-** (MHF I PLUG Ni TOP 1.80, 1.37, 1.32, 1.13, 0.81)	20767-001R-20 (MHF I PLUG 2.00)		
RATED VOLTAGE		60	V AC (R.M.S)	·		
RATED FREQUENCY		[OC TO 9GHz			
OPERATING TEMPERATURE		233 TO 36	63K (-40°C TO +90°C)			
VSWR (MATED WITH SMA ADAPTER PART No. 90193-002)	RECEPT	ACLE: 1.30 MAX. AT 0.1-3 GH	Hz, 1.40 MAX. AT 3-6 GHz, 1.80 MAX. A	∆T 6−9 GHz		
MAIN CONTACT RESISTANCE	INITIAL : 2 AFTER TEST : 2	0 mohm MAX. 25 mohm MAX.	INITIAL : 20 AFTER TEST : ⊿I			
GROUND CONTACT RESISTANCE	INITIAL : 1 AFTER TEST : 1	0 mohm MAX. 5 mohm MAX.		: 20 mohm MAX. : ⊿R 100 mohm MAX.		
INSULATION RESISTANCE		INITIAL: 500 Mohm MI	N. / AFTER TEST: 100 Mohm MIN.			
DIELECTRIC WITHSTANDING VOLTAGE		200	V AC, 1 MINUTE			
DURABILITY			30 CYCLES			
UNMATING FORCE (INITIAL / AFTER TEST)			TIAL: 5 N MIN. R 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***					

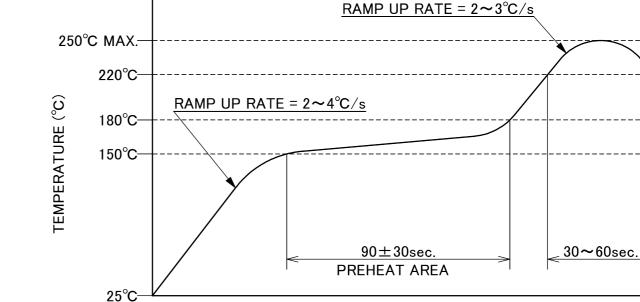
**UNLESS OTHERWISE SPECIFIED, 20279-001E-01 WILL BE DELIVERED IN CORRUGATED PAPER REELS. CONTACT YOUR I-PEX SALES IF YOU WISH FOR PLASTIC REELS.

1	±2° 6 OVER 30 MAX. ±0.2 30 OVER 120 MAX. ±0.2	-	SERIES No.	Cl	JSTOMER (COPY
DWG.	GENERAL TOLERANCE. DATE	MHF®I RECEPTACL	E	SCALE - UNIT mm	I-PE	
APP.		DWG. No. 202	79	SIZE A3	3/9	REV. 34









CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

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

TIME (s)

ANGLE	±2° 6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.		JSTOMER (20DV
6 MAX.	±0.2 30 OVER 120 MA	X. ¦±0.5	$\Theta \subseteq$	R9	60	19 I OINIER (JUPT
	GENERAL TOLERANCE.		TITLE		SCALE		
DWG.	DATE		MHF® I		10:1		
			RECEPTACL	.E	UNIT	I-PE	:X
CHK.					mm		
APP.	_/		DWG. No.		SIZE	SHEET	REV.
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			202	79			
			202	. 7 0	A3	4/9	34

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

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

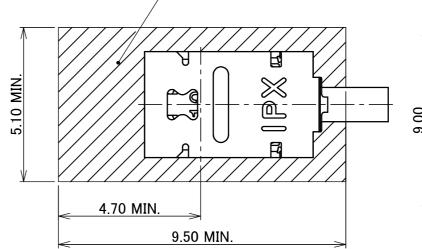
SINGLE CONNECTOR LAYOUT

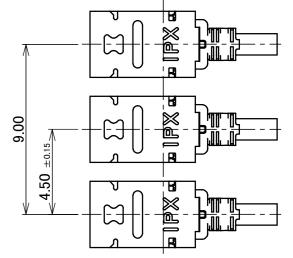
MATING AND LOCK CONDITION
WITH MHF I LK HARNESS

MULTIPLE CONNECTORS LAYOUT

COMPONENTS PLACEMENT PROHIBITED AREA

REQUIRED AREA FOR RECOMMENDED JIG TO OPERATE MHF I LK HARNESS IN 4.50 ± 0.15 mm PITCH (M.2 PITCH) SMOOTHLY. JIG PART NUMBER: 91492-0001





MATING AND LOCK CONDITION
WITH MHF I LK HARNESS NARROW PITCH

MHF I LK HARNESS UNLOCK CONDITION

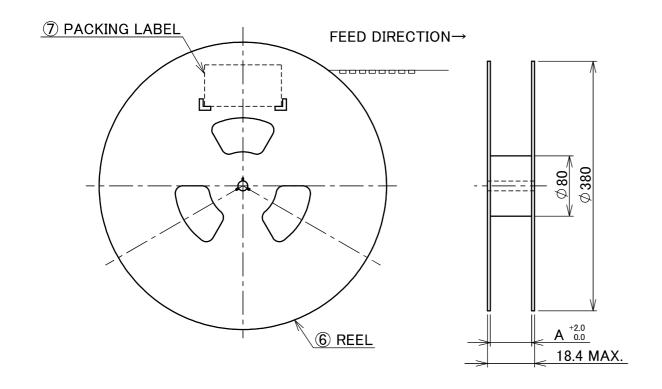
NARROW PITCH DIMENSIONS

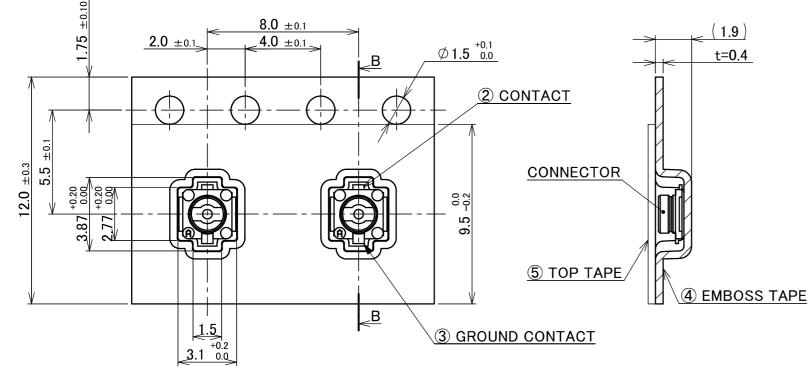
(S = 5 : 1)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.		ICTOMED	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	$ \oplus \subset $	R9	60	JSTOMER	UUPI
	GENE	RAL TOLERANCE.		TITLE		SCALE		
DWG.		DATE		MHF [®] I		8:1		
				RECEPTACL	.E	UNIT	I-PE	:X
CHK.						mm		
APP.				DWG. No.		SIZE	SHEET	IREV.
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				202	79	A3	5/9	34

PART NO.	А	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)	
20279-001E-01	12.4	2,500 / REEL	8 REELS / CARTON = 20,000 PIECES	

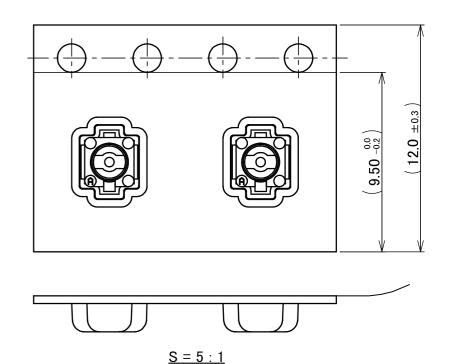
XUNLESS OTHERWISE SPECIFIED, 20279-001E-01 WILL BE DELIVERED IN CORRUGATED PAPER REELS. € 1.00 PAPER REELS. CONTACT YOUR I-PEX SALES IF YOU WISH FOR PLASTIC REELS.

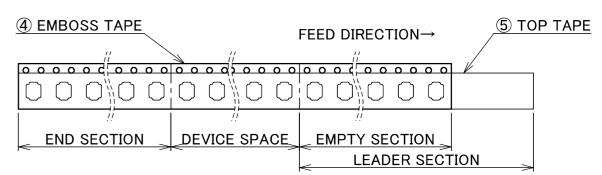




EMBOSS TAPE (S = 5 : 1)

<u>SECT. B-B (S = 5:1)</u>





EMPTY SECTION (S = 1 : 1)

NOTES.

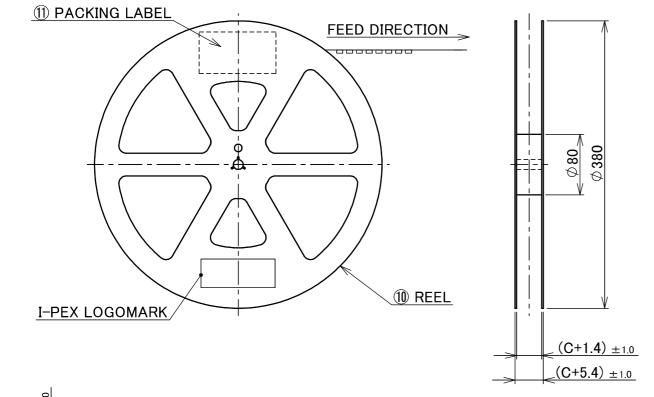
- 5. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
- 6. EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE FOLLOW JIS C 0806 (IEC 60286–3).
 7. TOP TAPE SHALL NOT STICK OUT FROM EMBOSSED TAPING.
- 8. TOP TAPE SHALL NOT COVER FEED HOLE.

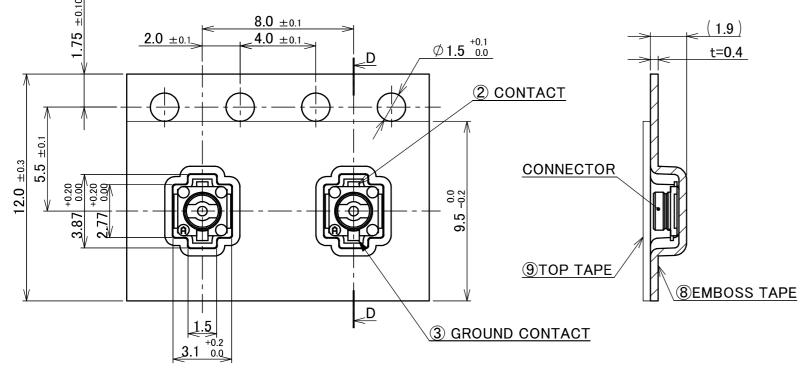
7	PACKING LABEL	1	_
6	REEL	CORRUGATED PAPER	_
5	TOP TAPE	PET t=0.075	_
4	EMBOSS TAPE	PP t=0.4	_
NO.	DISCRIPTION	MATERIAL	FINISH REMARKS

ANGLE $\pm 2^{\circ}$ 6 OVER 30 MAX. ± 0	PROJECTION	SERIES No.	CUSTOMED CODY			
6 MAX. ±0.2 30 OVER 120 MAX. ±0.	5 • • • •	R9	CUSTOMER COPY			
GENERAL TOLERANCE.	TITLE		SCALE			
DWG. DATE	MHF [®] I		1:X			
	_ RECEPTACL	.E	UNIT	I-PE	:X	
СНК.			mm			
APP.	DWG. No.		SIZE	SHEET	REV.	
	202	279	A3	6/9	34	

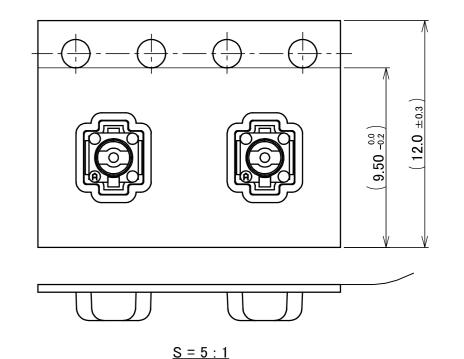
PART NO.	С	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20279-001E-01	100	2,500 / REEL	8 REELS / CARTON = 20,000 PIECES
20279-001E-03	12.0	5,000 / REEL	8 REELS / CARTON = 40,000 PIECES

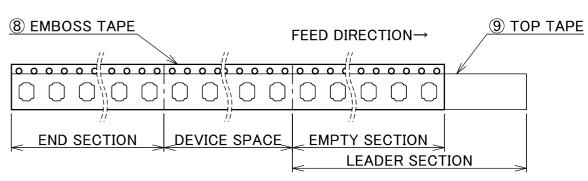
XUNLESS OTHERWISE SPECIFIED, 20279-001E-01 WILL BE DELIVERED IN CORRUGATED PAPER REELS. € 1.00 PAPER REELS. CONTACT YOUR I-PEX SALES IF YOU WISH FOR PLASTIC REELS.





EMBOSS TAPE (S = 5 : 1)





EMPTY SECTION (S = 1 : 1)

NOTES.

- 9. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
 10. EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE FOLLOW JIS C 0806 (IEC 60286-3).

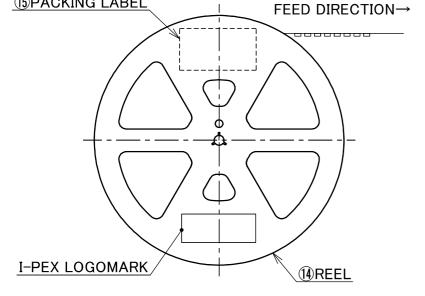
 11. TOP TAPE SHALL NOT STICK OUT FROM EMBOSSED TAPING.
- 12. TOP TAPE SHALL NOT COVER FEED HOLE.

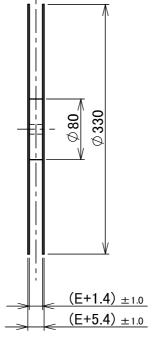
11	PACKING LABEL		_
	PACKING LABEL	_	
10	REEL	PS ESD SAFE TYPE	_
9	TOP TAPE	PET t=0.075	_
8	EMBOSS TAPE	PP t=0.4	_
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

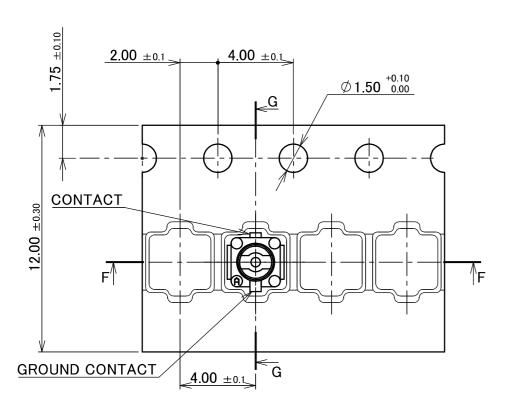
ANGLE ±2° 6 OVER 30 MAX. ±0.3 6 MAX. ±0.2 30 OVER 120 MAX. ±0.5	PROJECTION	SERIES No. R9	CUSTOMER COPY			COPY
GENERAL TOLERANCE.	TITLE		SCALE			
DWG. DATE	MHF [®] I		1:X	l _		
	RECEPTACLE		UNIT	│ 	PE	EX
CHK.			mm	_		
APP.	DWG. No.	70	SIZE	SHEET		REV.
	202	/9	A3		7/9	34

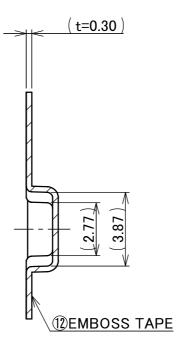
SECT. D-D (S = 5:1)

PA	ART NO.	E	QUANTITY PER EMBOSS REEL (PIECES / REEL)	QUANTITY PER PACKING CARTON (REELS / CARTON)
2027	9-001E-05	12.0	10,000 / REEL	8 REELS / CARTON = 80,000 PIECES
2027	9-001E-06	12.0	10,000 / REEL	8 REELS / CARTON = 80,000 PIECES
	<u>(5</u> PA)	CKING I	ABEL FEED DIRE	

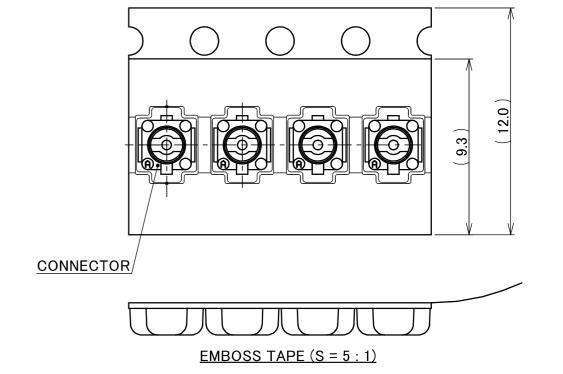


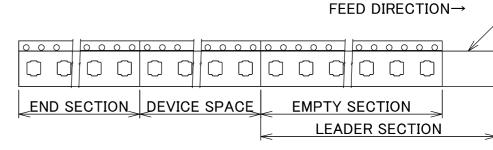






 $\underline{\mathsf{SECT}.\mathsf{G-G}}\,(\mathsf{S}=5:1)$





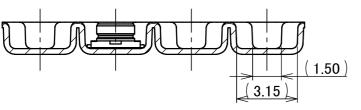
EMPTY SECTION (S = 1 : 1)

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 EMBOSSED TAPING.
- 16. TOP TAPE SHALL NOT COVER FEED HOLE.

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

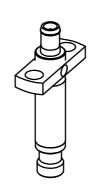
ANGLE ±2° 6 OVER 30 MAX. ±	0.3 PROJECTION	SERIES No.	CUSTOMER COPY			COPY
6 MAX. ±0.2 30 OVER 120 MAX. ±	0.5	R9	COSTOWIER COFT			JOFT
GENERAL TOLERANCE.	TITLE		SCALE			
DWG. DATE	MHF [®] I		1:X			
	RECEPTACI	_E	UNIT	-	Ρŧ	EX
CHK.			mm			
APP.	DWG. No.		SIZE	SHEET		REV.
	202	2/9	A3	8	8/9	34

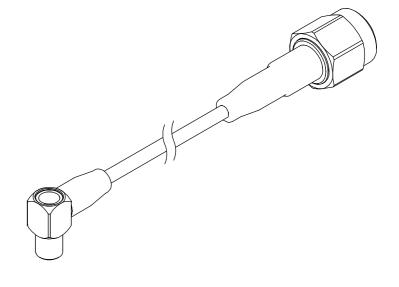


<u>SECT. F-F (S = 5 : 1)</u>

13TOP TAPE







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 $\pm 2^{\circ}$ 6 OVER 30 MAX. ± 0.3	PROJECTION	SERIES No.	CI	ICTOMED (\sim \sim \sim
6 MAX. ±0.2 30 OVER 120 MAX. ±0.5		R9	CUSTOMER COP		
GENERAL TOLERANCE.	TITLE		SCALE		
DWG. DATE	MHF [®] I	2:1			
	RECEPTACL	.E	UNIT	I-PE	:X
CHK.			mm		
APP.	DWG. No.		SIZE	SHEET	REV.
	202	79	A3	9/9	34