



Halogen Free

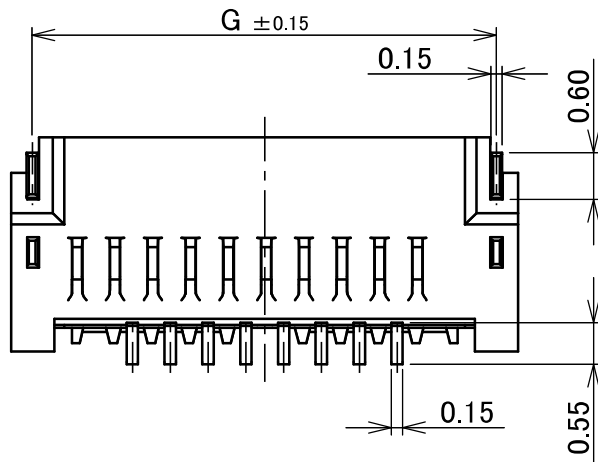
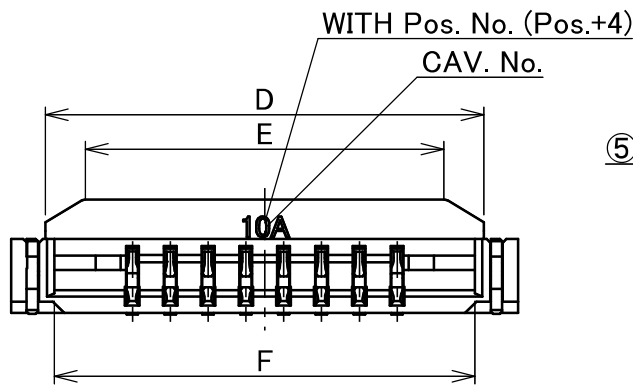
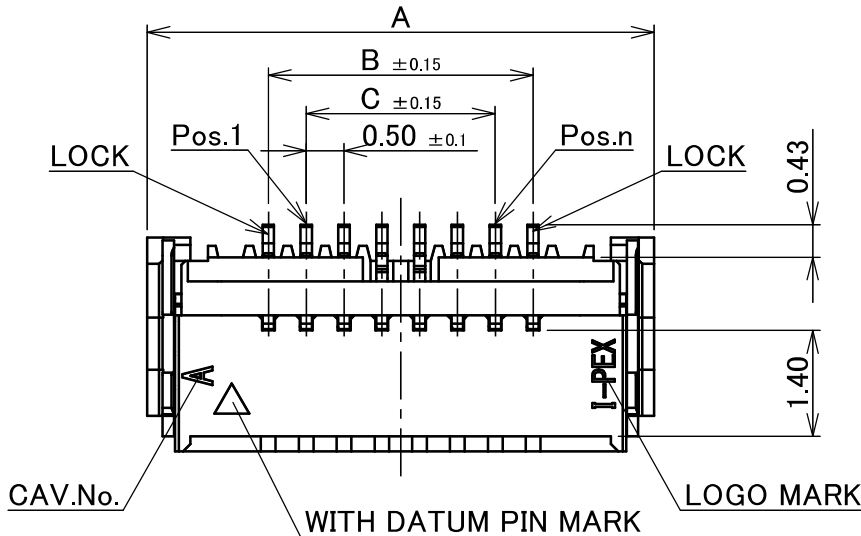


RoHS Compliant



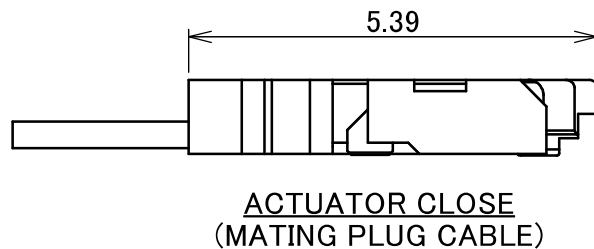
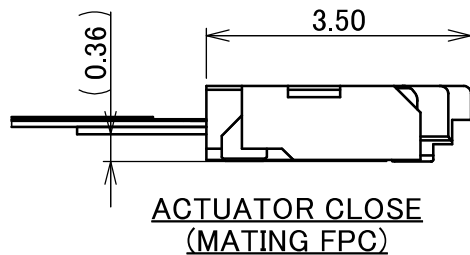
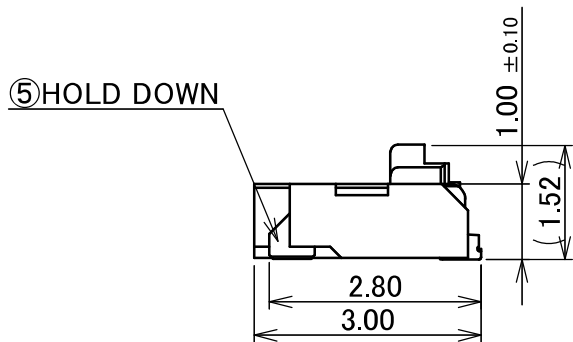
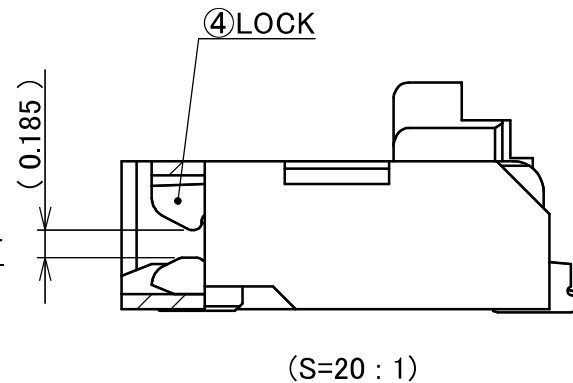
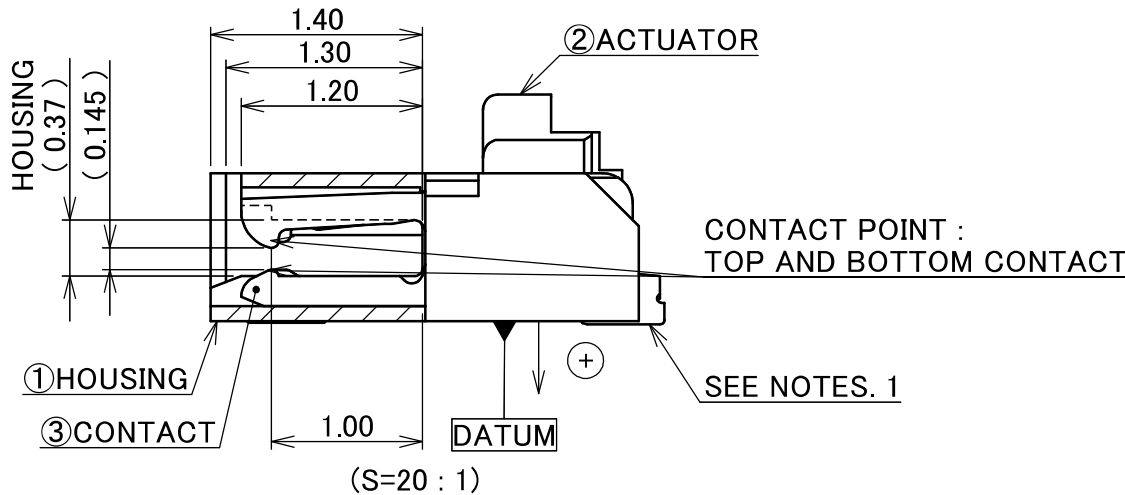
VISIT OUR WEBSITE FOR LATEST VERSIONS OF INSTRUCTION MANUAL
NO. HIM-14010 AND HIM-12019 TO HANDLE THE PRODUCT PROPERLY AND SAFELY.

PART No.	POS.	A	B	C	D	E	F	G
20597-006E-02	6	6.70	3.50	2.50	5.80	4.80	5.56	6.15
20597-008E-02	8	7.70	4.50	3.50	6.80	5.80	6.56	7.15
20597-010E-02	10	8.70	5.50	4.50	7.80	6.80	7.56	8.15



NOTES

1. CONTACT TAIL IS PROJECTION FROM HOUSING IN THE + DIRECTION. (0~0.06)



5	HOLD DOWN	PHOSPHOR BRONZE	Sn 2~6 μm MIN.OVER Ni 1.0 μm MIN.
4	LOCK	PHOSPHOR BRONZE	Au 0.03 μm MIN. OVER Ni 1.0 μm MIN.
3	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.0 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.0 μm MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE

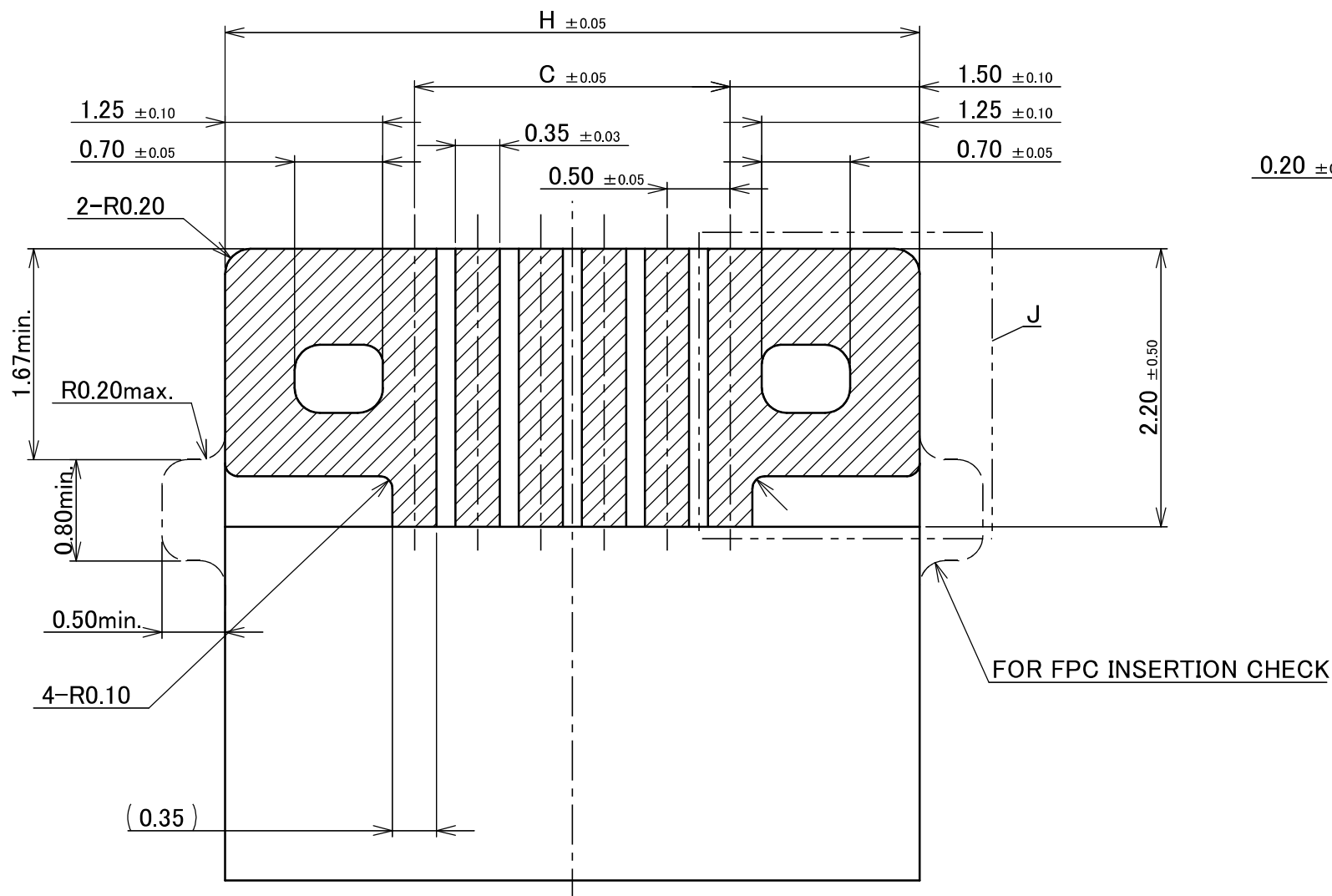
9	ZC01046	M.M	2026/10/13	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R4	CUSTOMER COPY		
8	Z240625	W.L	2024/06/14	M.T	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
7	Z191358	R.F	2019/10/08	H.I	GENERAL TOLERANCE.				TITLE DW-5 RECEPTACLE	SCALE 10:1 UNIT mm			
6	Z181430	K.T	2018/11/01	Y.S	DWG.	DATE							
5	Z181301	K.T	2018/10/03	Y.S	Y.Fukumoto 2015/04/07								
4	Z170315	Y.O	2017/03/24	TAK	CHK.								
REV.	ECN	BY	DATE	APP.	K.Narita				DWG. No. 20597	SIZE A3	SHEET 1/5	REV. 9	
APP.													
REVISION RECORD					T.Takano								

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE	0.5A DC [FPC] (PER CONTACT) 0.7A DC [AWG#34] (PER CONTACT)
OPERATING TEMPERATURE	233~358K(−40℃~85℃)
OPERATING HUMIDITY	80% MAX.
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MAX. (PLUG CABLE) 100Mohm MIN. (FPC)
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES : 0.6N(61gf) × (n + 2) MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES : 0.05N(5gf) × (n + 2) MIN.
PLUG AND FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL : 0.15N(15gf) × n + 2.0N MIN. / AFTER TEST : 0.15N(15gf) × n + 1.0N MIN.
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-1880
TEST REPORT	TR-13103
PACKING STANDARD	PST-13047
INSTRUCTION MANUAL	HIM-14010 (FOR MATING PLUG CABLE) HIM-12019 (FOR MATING FPC)
APPEARANCE CRITERIA No.	QLS-A***

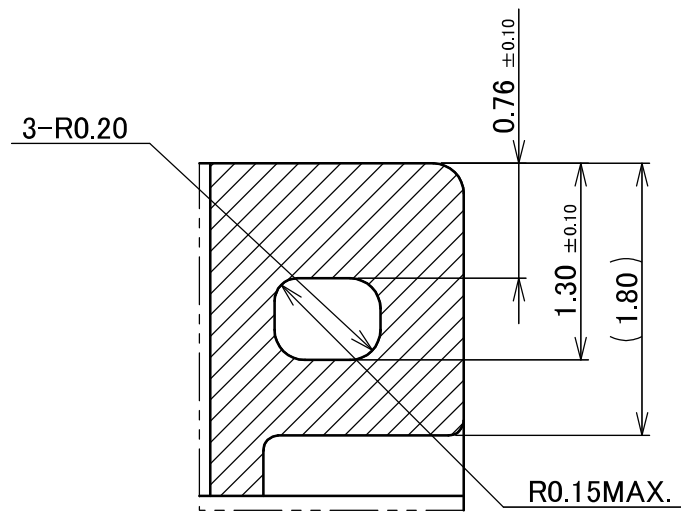
※ “n” IS THE NUMBER OF PIN

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE DW-5 RECEPTACLE		SCALE	I-PEX	
DWG.	DATE					—		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20597		SIZE	SHEET	REV.
						A3	2/5	9

PART No.	POS.	B	C	G	H
20597-006E-02	6	3.50	2.50	6.15	5.50
20597-008E-02	8	4.50	3.50	7.15	6.50
20597-010E-02	10	5.50	4.50	8.15	7.50

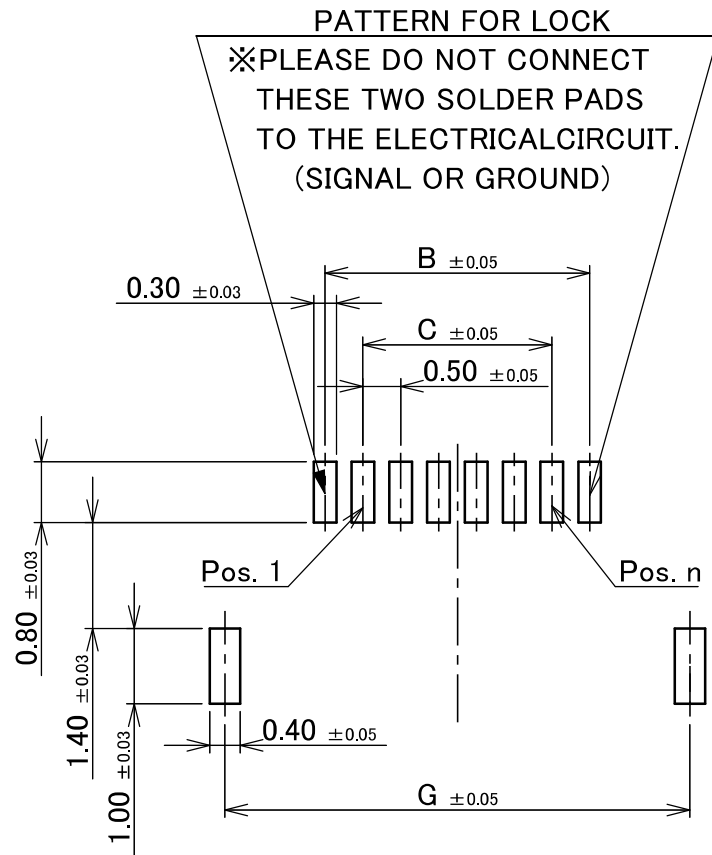
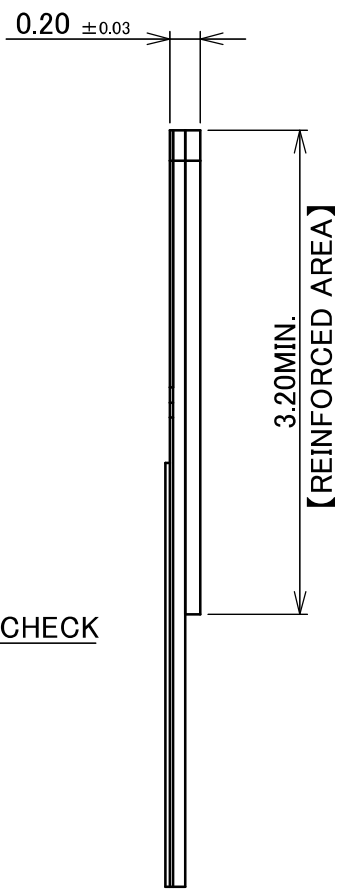


RECOMMENDED FPC LAYOUT



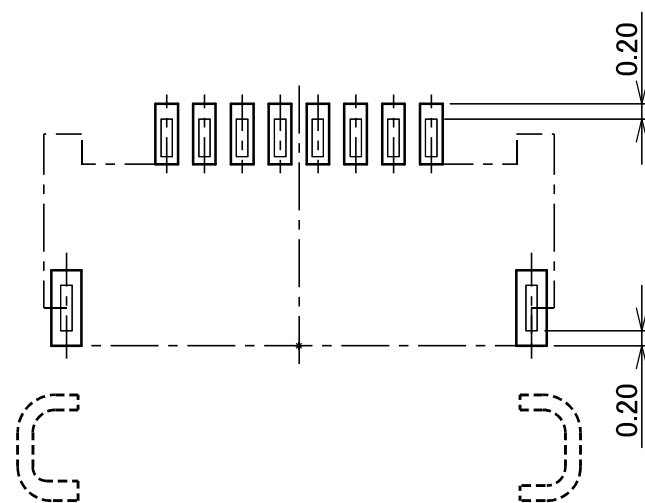
DETAIL J
(S=20/1)

NOTES
2.MATERIAL
COVER FILM : PI
CONDUCTOR : COPPER(RARE)
BASE FILM : PI
STIFFENER : PI
ADHESIVE : THERMOSETTING ADHESIVE
3.FINISH
Au OVER Ni PLATING.

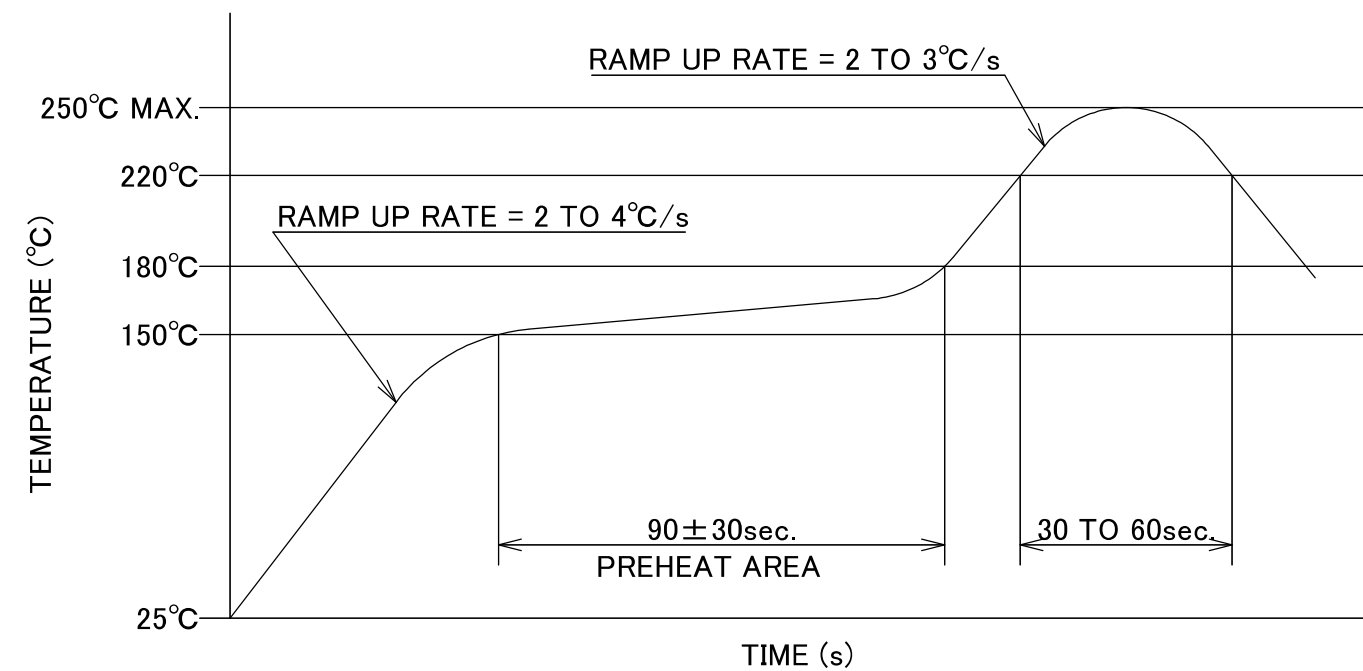


RECOMMENDED PCB LAYOUT & METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.12mm

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R4			
GENERAL TOLERANCE.				TITLE DW-5 RECEPTACLE	SCALE	I-PEX		
DWG.	DATE				10:1			
CHK.					UNIT			
APP.					mm			
				DWG. No.	SIZE	SHEET	REV.	
				20597	A3	3/5	9	



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

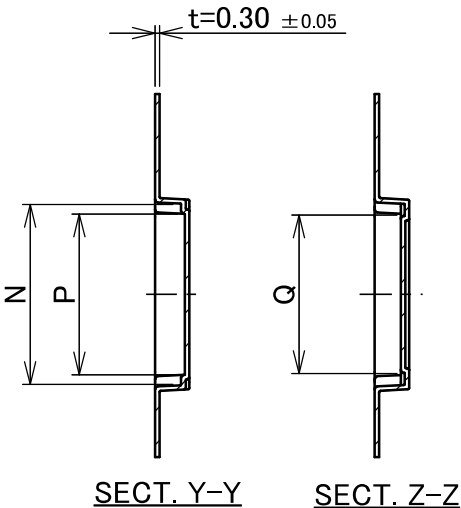
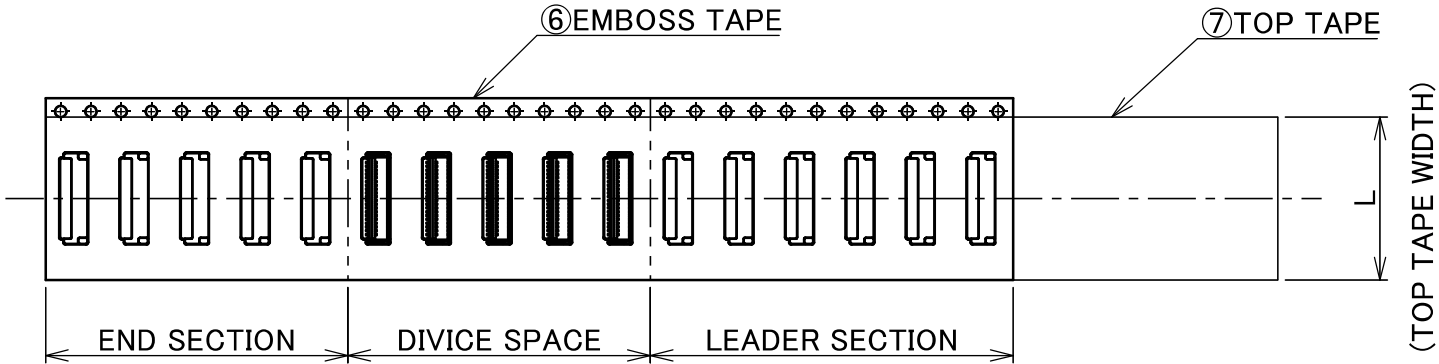


REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE DW-5 RECEPTACLE		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20597	SIZE	SHEET	REV.
						A3	4/5	9

PART No.	K	L	M	N	P	Q	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20597-006E-02	16.0	13.5	7.5	7.0	5.5	5.0	5000 PIECES / REEL	7 REELS / CARTON (35000 PIECES / CARTON)
20597-008E-02				8.0	6.5	6.0		
20597-010E-02				9.0	7.5	7.0		

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



9	PACKING LABEL	-	-
8	REEL	PS	BLACK
7	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC TYPE HEAT WELDING TYPE
6	EMBOSS TAPE	PS TRANSPARENCY	ANTI-STATIC TYPE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE DW-5 RECEPTACLE		SCALE	I-PEX	
DWG.	DATE					1:X		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20597		SIZE A3	SHEET 5/5	REV. 9

