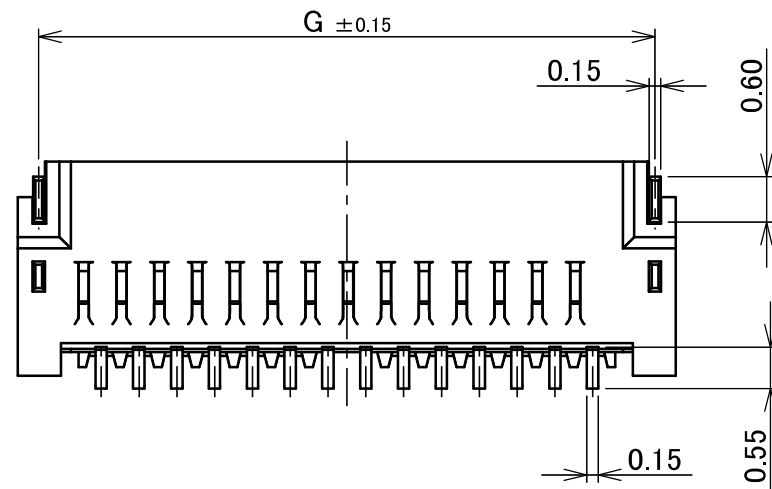
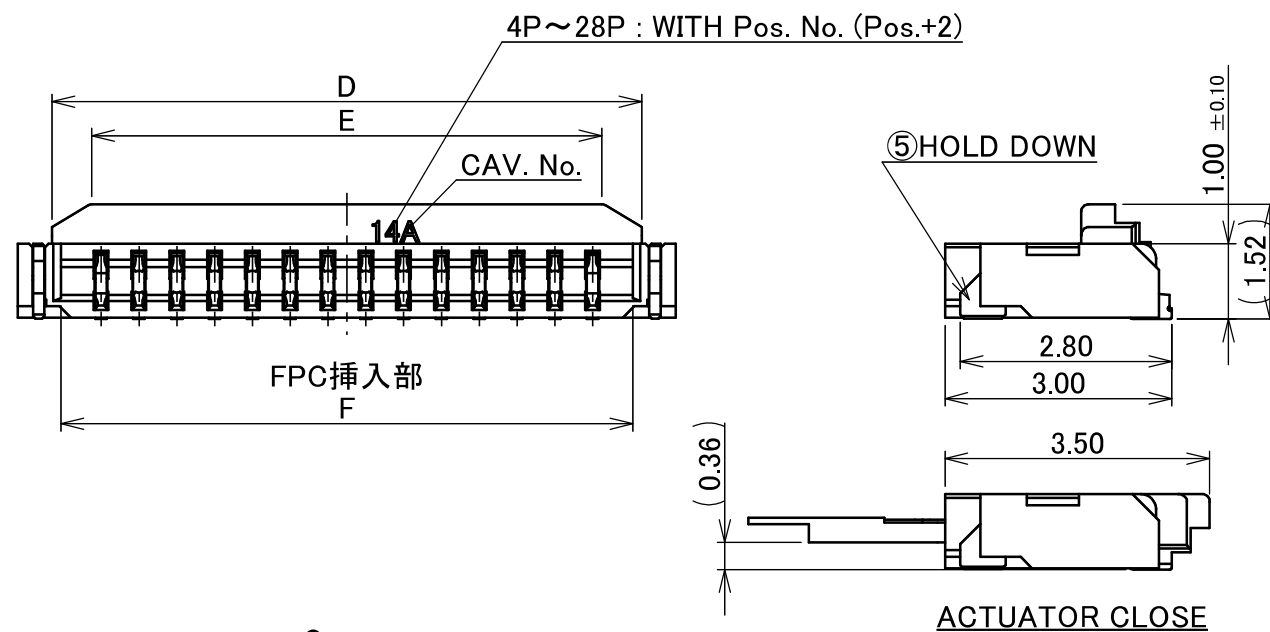
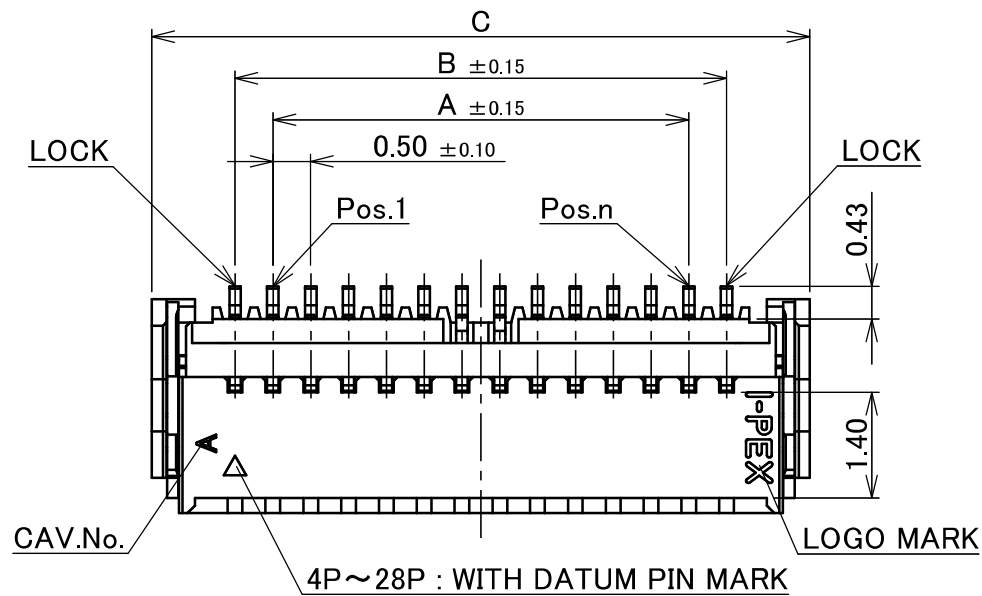




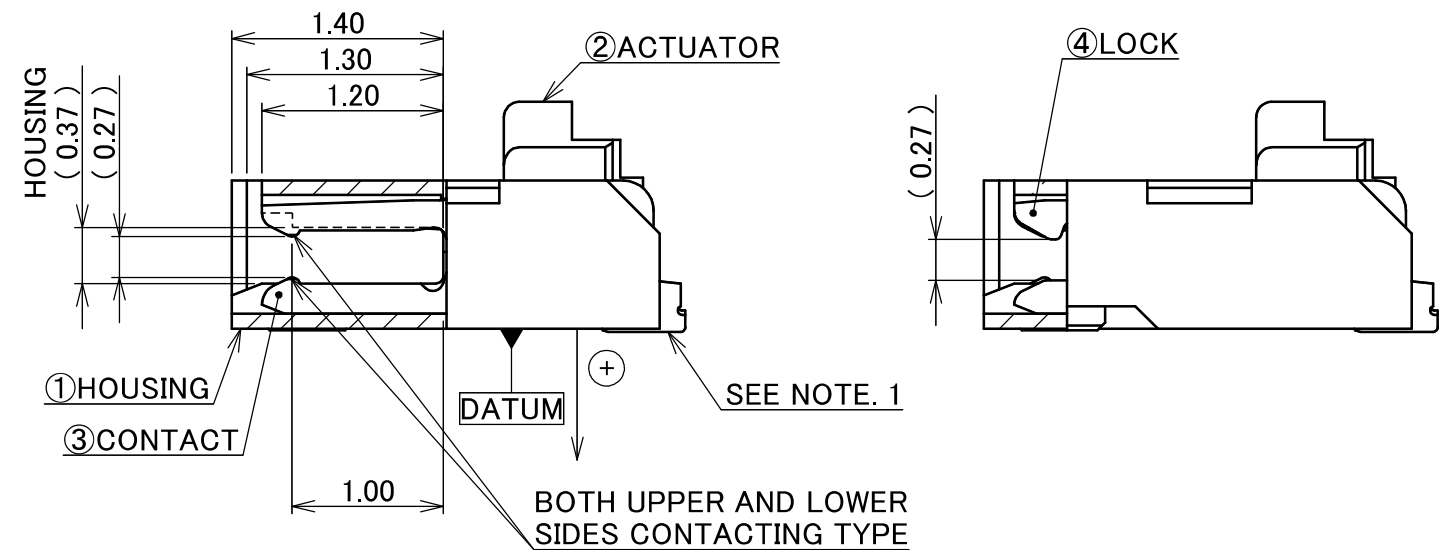
Halogen Free



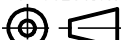
RoHS Compliant



PART No.	POS.	A	B	C	D	E	F	G
20600-004E-01	4	1.50	2.50	4.70	3.80	2.80	3.56	4.15
20600-006E-01	6	2.50	3.50	5.70	4.80	3.80	4.56	5.15
20600-008E-01	8	3.50	4.50	6.70	5.80	4.80	5.56	6.15
20600-010E-01	10	4.50	5.50	7.70	6.80	5.80	6.56	7.15
20600-012E-01	12	5.50	6.50	8.70	7.80	6.80	7.56	8.15
20600-014E-01	14	6.50	7.50	9.70	8.80	2.80	8.56	9.15
20600-016E-01	16	7.50	8.50	10.70	9.80	3.80	9.56	10.15
20600-018E-01	18	8.50	9.50	11.70	10.80	4.80	10.56	11.15
20600-020E-01	20	9.50	10.50	12.70	11.80	5.80	11.56	12.15
20600-024E-01	24	11.50	12.50	14.70	13.80	7.80	13.56	14.15



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
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

11	ZC01042	M.M	2026/10/09	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R2	CUSTOMER COPY				
10	Z240578	S.Sh	2024/06/07	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5							
9	Z210671	M.M	2021/06/23	H.I	GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II LK	SCALE 10:1	UNIT I-PEX mm				
8	Z200582	M.M	2020/06/05	Y.S	DWG.	DATE									
7	Z191264	R.F	2019/09/30	H.I	Y.Nakamura			2013/11/20							
6	Z181426	K.T	2018/11/01	Y.S	CHK.	J.Tateishi									
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.		20600		SIZE	SHEET	REV.
REVISION RECORD					E.Kawabe						A3		1/5		11



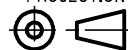
VISIT OUR WEBSITE FOR LATEST VERSIONS OF INSTRUCTION MANUAL
NO. HIM-12019 TO HANDLE THE PRODUCT PROPERLY AND SAFELY.

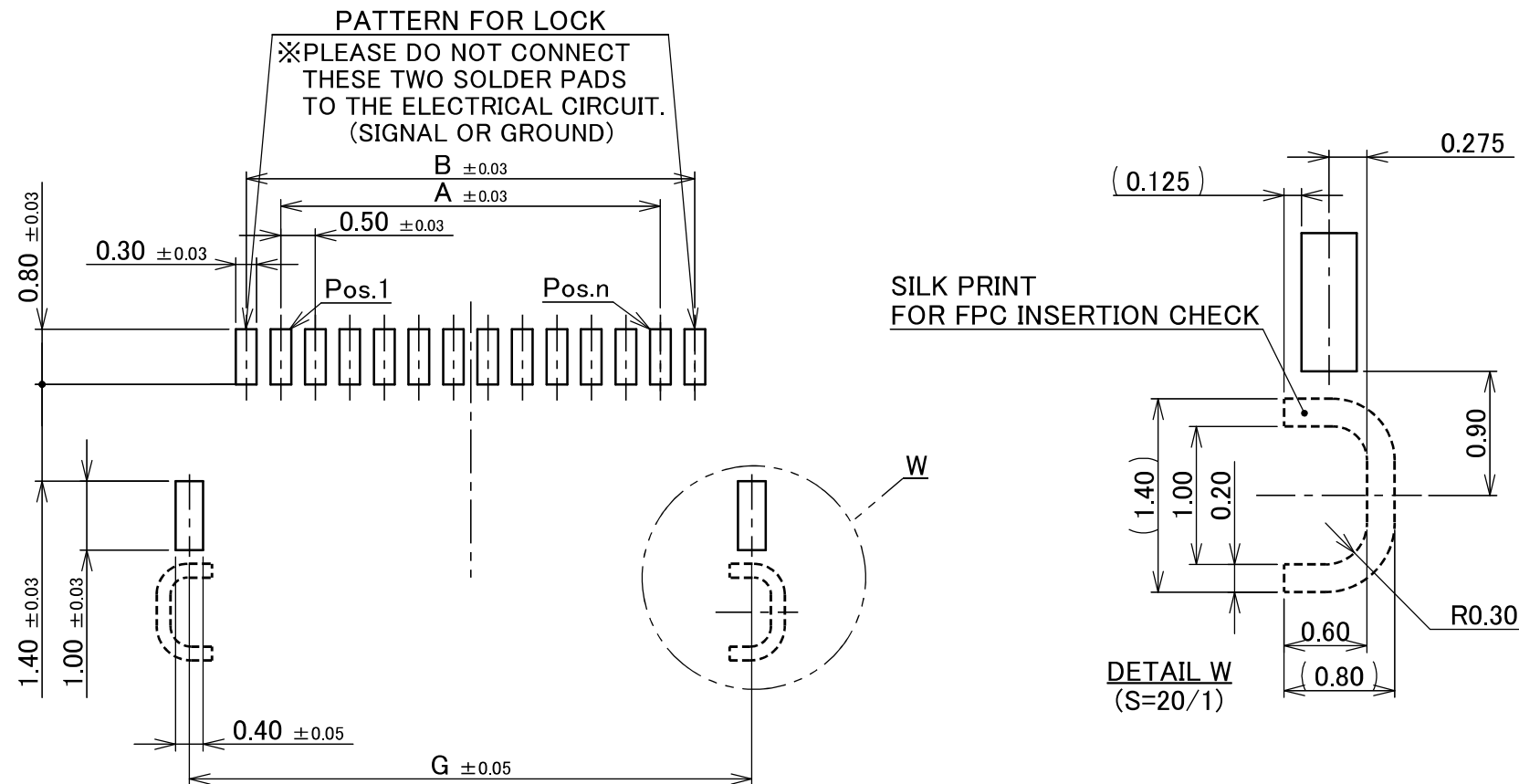
NOTES

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

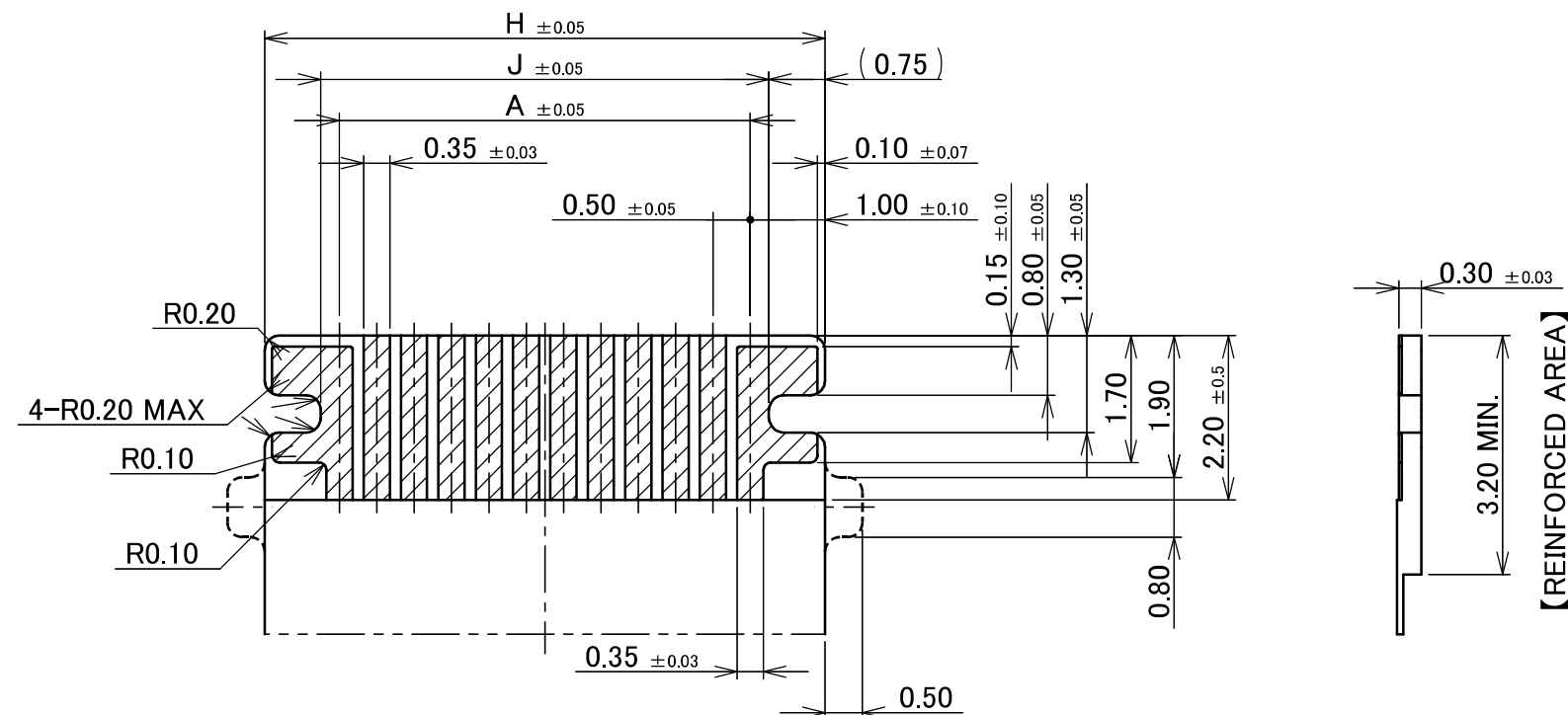
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT PIN)
RATING AMPERAGE	0.5A DC (PER CONTACT PIN) 7.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~398K(-40℃~125℃)
OPERATING HUMIDITY	80% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : $\leq$ 20mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
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.
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-1841
TEST REPORT	TR-14132
PACKING STANDARD	PST-13031
INSTRUCTION MANUAL	HIM-12019
APPEARANCE CRITERIA No.	QLS-A***

※ “n” IS THE NUMBER OF PIN

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY					
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5								
GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II LK		SCALE					
DWG.	DATE					—					
CHK.						UNIT					
APP.						mm					
				DWG. No.		SIZE	SHEET	REV.			
				20600		A3	2/5	11			



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

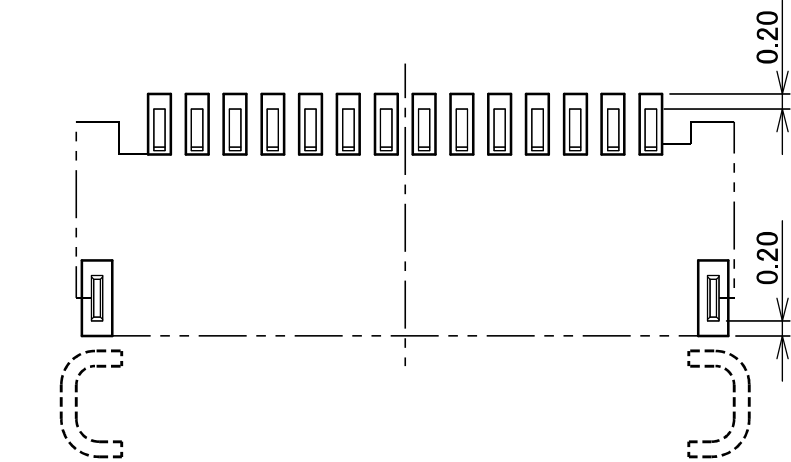


RECOMMENDED FPC LAYOUT

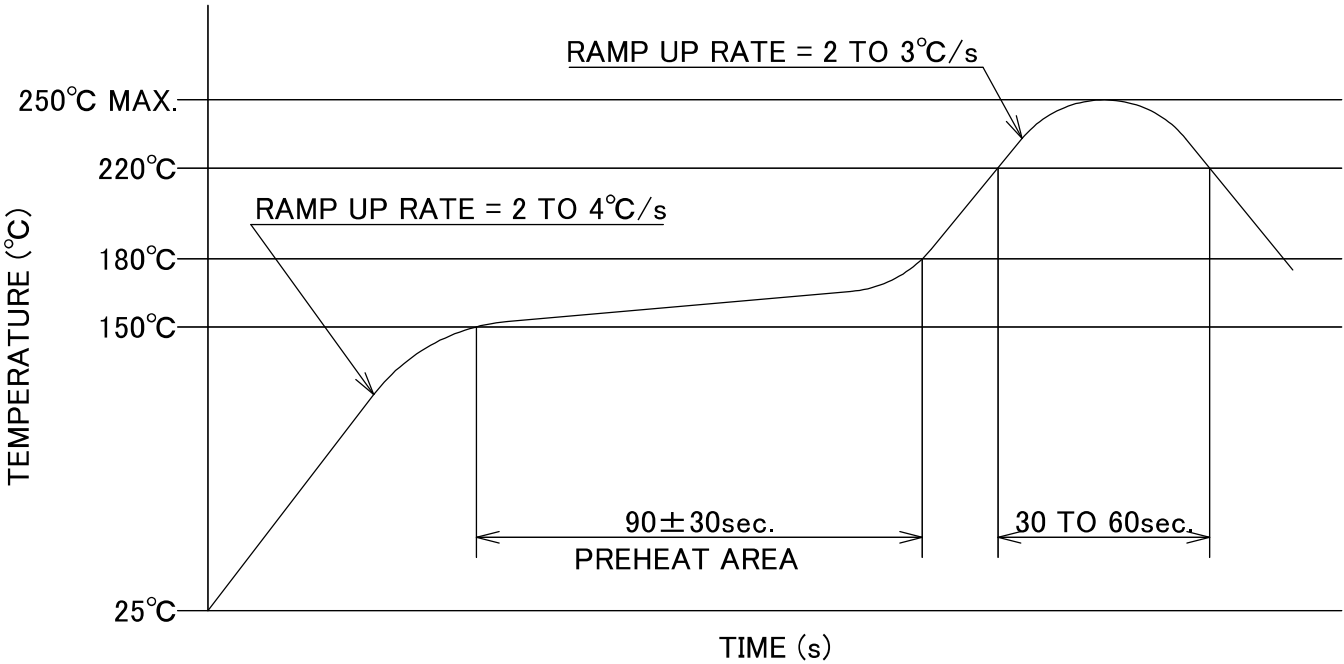
PART No.	POS.	A	B	G	H	J
20600-004E-01	4	1.50	2.50	4.15	3.50	2.00
20600-006E-01	6	2.50	3.50	5.15	4.50	3.00
20600-008E-01	8	3.50	4.50	6.15	5.50	4.00
20600-010E-01	10	4.50	5.50	7.15	6.50	5.00
20600-012E-01	12	5.50	6.50	8.15	7.50	6.00
20600-014E-01	14	6.50	7.50	9.15	8.50	7.00
20600-016E-01	16	7.50	8.50	10.15	9.50	8.00
20600-018E-01	18	8.50	9.50	11.15	10.50	9.00
20600-020E-01	20	9.50	10.50	12.15	11.50	10.00
20600-024E-01	24	11.50	12.50	14.15	13.50	12.00

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

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	MINIFLEX® 5-BFN II LK	R2			
GENERAL TOLERANCE.				TITLE	SCALE	I-PEX		
DWG.	DATE	CHK.	APP.	DWG. No.	10:1			
				20600	UNIT			
					mm			
					SIZE	SHEET	REV.	
					A3	3/5	11	



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

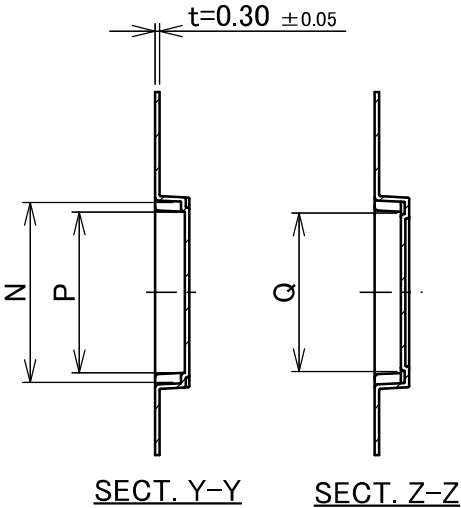
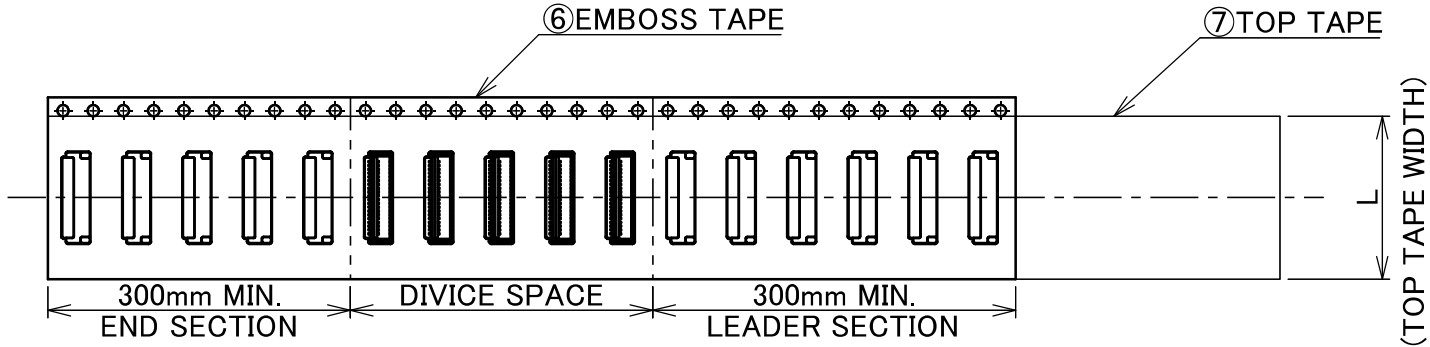
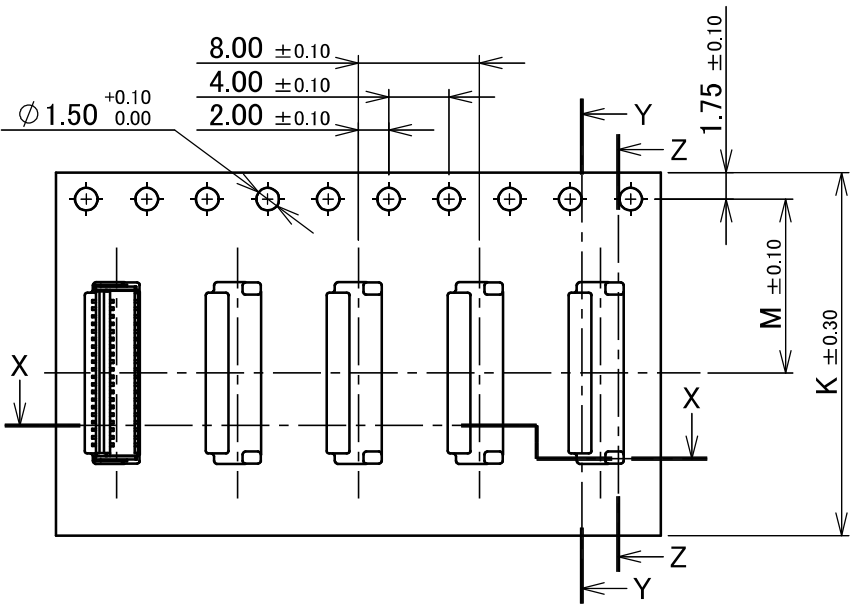
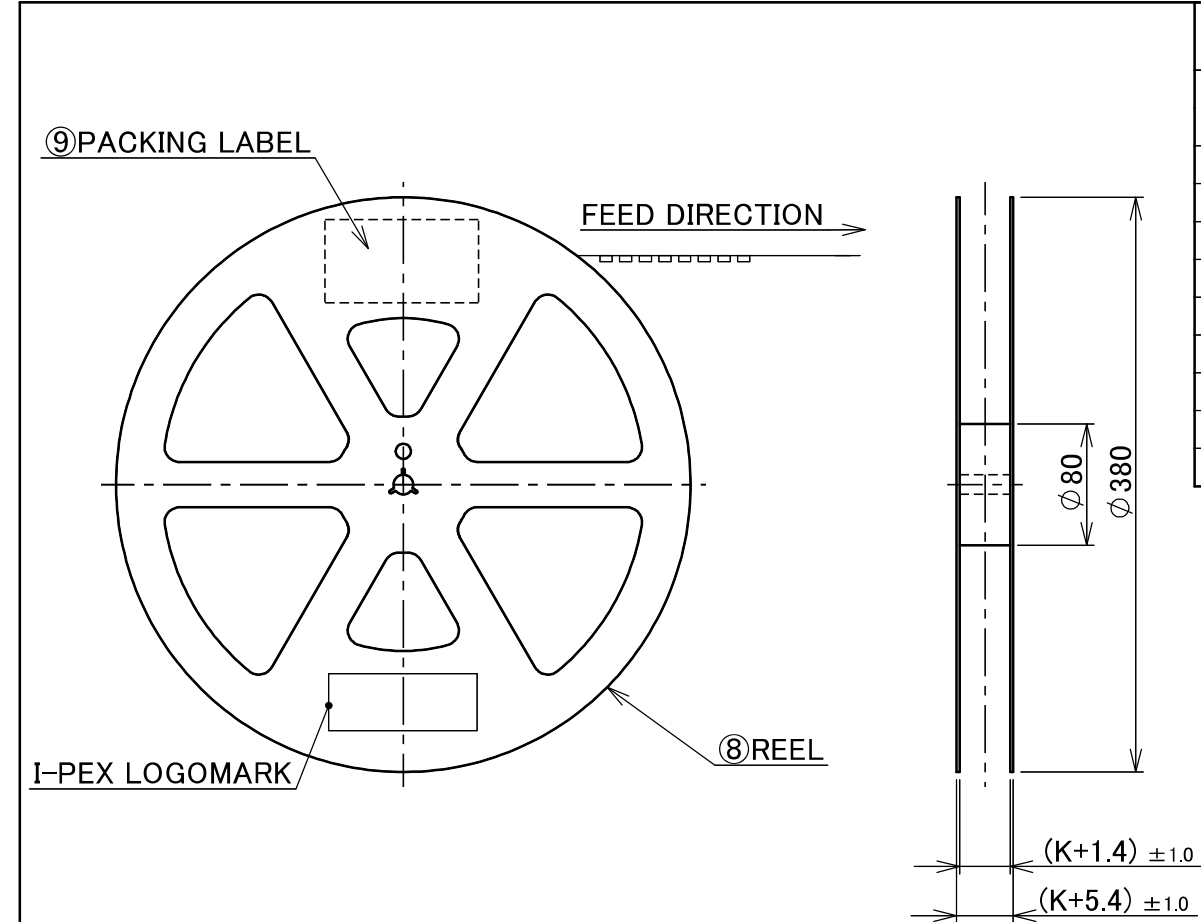


REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II LK	SCALE 10:1	I-PEX		
DWG.	DATE							UNIT
CHK.								mm
APP.								
				DWG. No. 20600	SIZE A3	SHEET 4/5	REV. 11	

PART No.	K	L	M	N	P	Q	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20600-004E-01	12.0	9.5	5.5	5.0	3.5	3.0	5000 PIECES / REEL	8 REELS / CARTON (40000 PIECES / CARTON)
20600-006E-01	16.0	13.5	7.5	6.0	4.5	4.0	5000 PIECES / REEL	7 REELS / CARTON (35000 PIECES / CARTON)
20600-008E-01				7.0	5.5	5.0		
20600-010E-01				8.0	6.5	6.0		
20600-012E-01				9.0	7.5	7.0		
20600-014E-01	24.0	21.5	11.5	10.0	8.5	8.0	5000 PIECES / REEL	5 REELS / CARTON (25000 PIECES / CARTON)
20600-016E-01				11.0	9.5	9.0		
20600-018E-01				12.0	10.5	10.0		
20600-020E-01				13.0	11.5	11.0		
20600-024E-01				15.0	13.5	13.0		

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.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2			
GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II LK	SCALE	I-PEX		
DWG.	DATE				1:X			
CHK.					UNIT			
APP.					mm			
				DWG. No.	SIZE	SHEET	REV.	
				20600	A3	5/5	11	