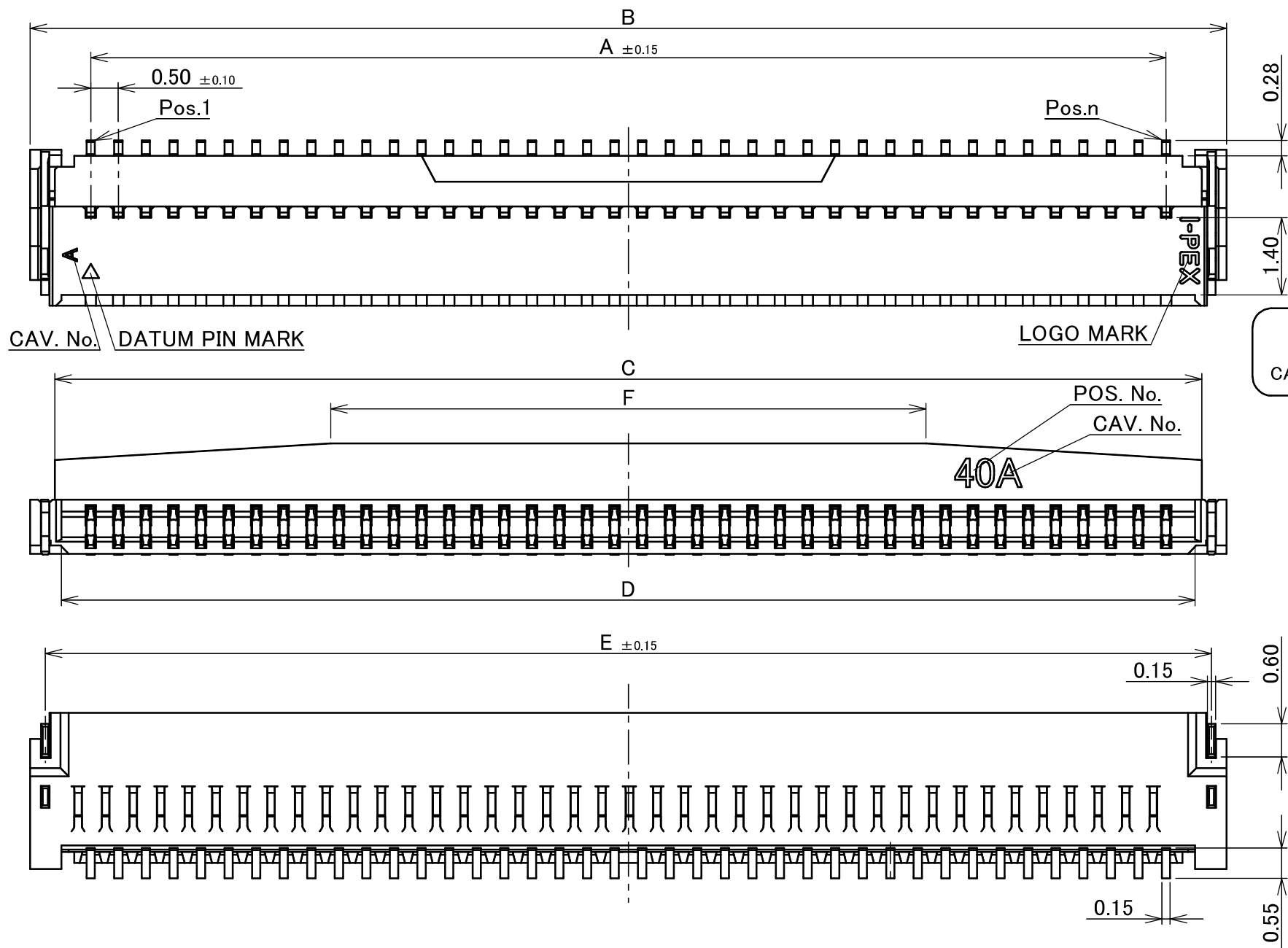
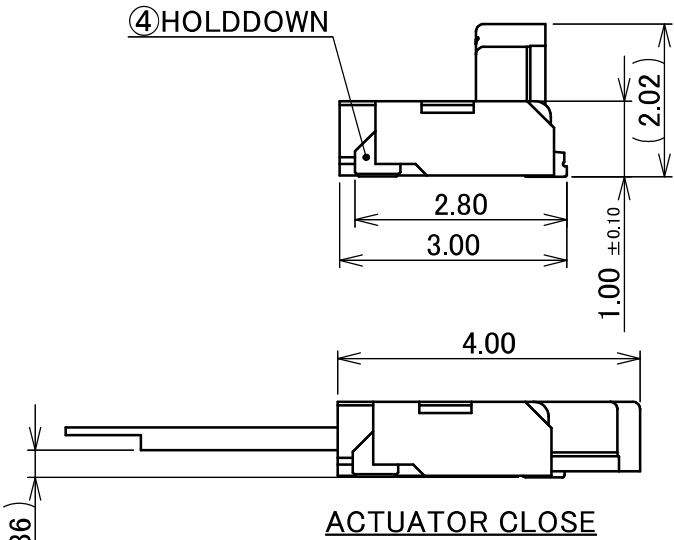




PART No.	POS.	A	B	C	D	E	F
20586-032E-01	32	15.50	17.70	16.80	16.56	17.15	10.80
20586-034E-01	34	16.50	18.70	17.80	17.56	18.15	11.80
◆20586-036E-01	36	17.50	19.70	18.80	18.56	19.15	8.80
20586-040E-01	40	19.50	21.70	20.80	20.56	21.15	10.80
◆20586-044E-01	44	21.50	23.70	22.80	22.56	23.15	12.80
◆20586-048E-01	48	23.50	25.70	24.80	24.56	25.15	9.80
20586-050E-01	50	24.50	26.70	25.80	25.56	26.15	10.80
20586-054E-01	54	26.50	28.70	27.80	27.56	28.15	12.80
◆20586-060E-01	60	29.50	31.70	30.80	30.56	31.15	15.80

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

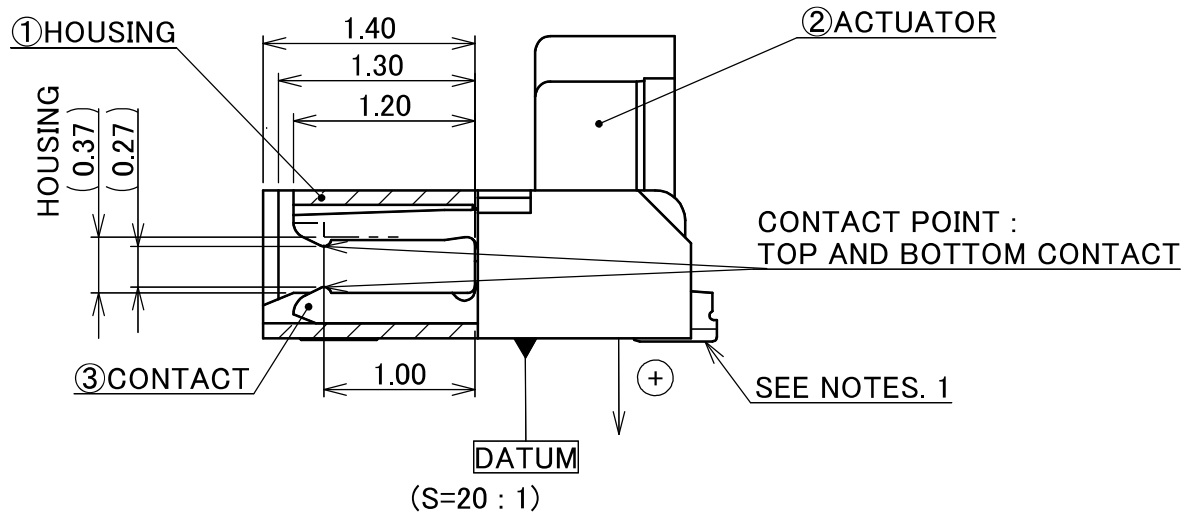


Halogen Free



RoHS Compliant

IATF 16949 CERTIFIED



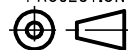
NOTES
1. CONTACT TAIL IS PROJECTION FROM HOUSING IN THE + DIRECTION. (0~0.06)

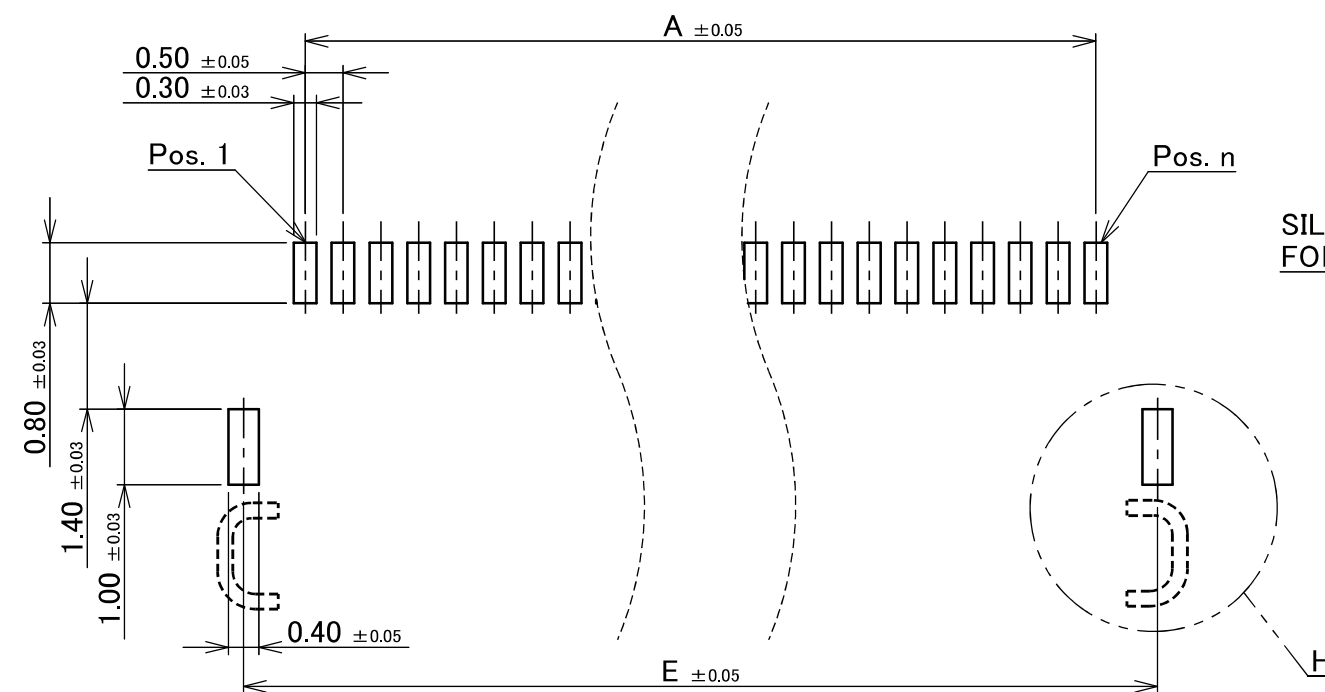
4	HOLD DOWN	PHOSPHOR BRONZE	Sn 2~6 μ m MIN.OVER Ni 1.00 μ m MIN.
3	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μ m MIN. OVER Ni 1.0 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.0 μ m MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

11	ZC00375	Mino	Dec./23/'25	T.M	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY			
10	Z241494	S.K	Oct./24/'24	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2				
9	Z240574	S.Sh	May/14/'24	H.I	GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II L		SCALE	I-PEX		
8	Z221295	S.Sh	Nov./21/'22	H.I	DWG.	DATE					10:1			
7	Z191264	R.F	Sept./30/19	H.I	H.Aoki 2014/01/10						UNIT			
6	Z181426	K.T	Nov./01/'18	Y.S	J.Tateishi						mm			
REV.	ECN	BY	DATE	APP.	APP.	E.Kawabe				DWG. No.	20586	SIZE	SHEET	REV.
REVISION RECORD										A3	1/5	11		

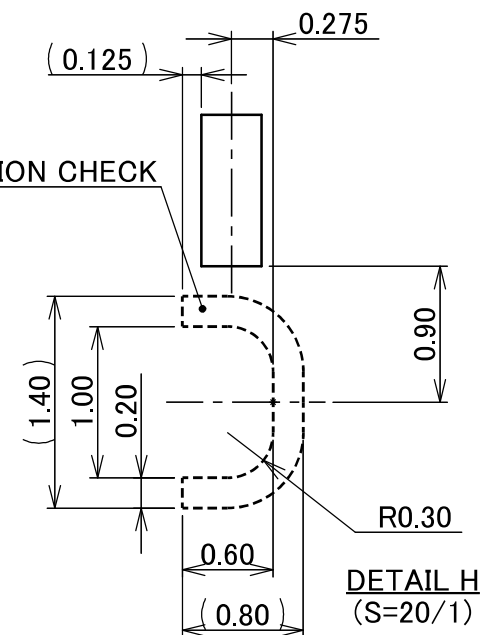
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT PIN)
RATING AMPERAGE	0.5A DC (PER CONTACT PIN) 7.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~398K(-40℃~125℃)
OPERATING HUMIDITY	80% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : $\leq$ 20mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL / 20TH CYCLES : 0.43N(44gf) × n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL / 20TH CYCLES : 0.025N(2.5gf) × n MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL / AFTER TEST : 0.15N(15gf) × n MIN.
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-2056
TEST REPORT	TR-15070
PACKING STANDARD	PST-13064
INSTRUCTION MANUAL	HIM-12019
APPEARANCE CRITERIA No.	QLS-A***

※ “n” IS THE NUMBER OF PIN

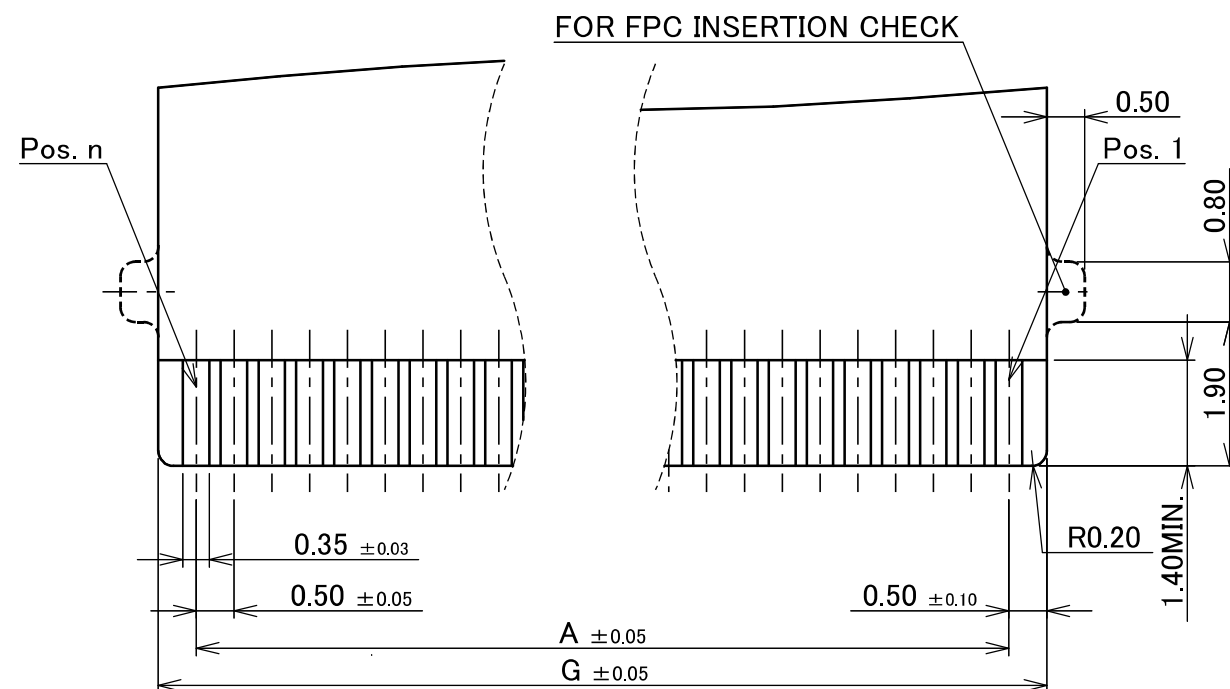
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY				
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5							
GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II L		SCALE				
DWG.	DATE					UNIT				
CHK.						mm				
APP.						SIZE	SHEET	REV.		
				DWG. No. 20586		A3	2/5	11		



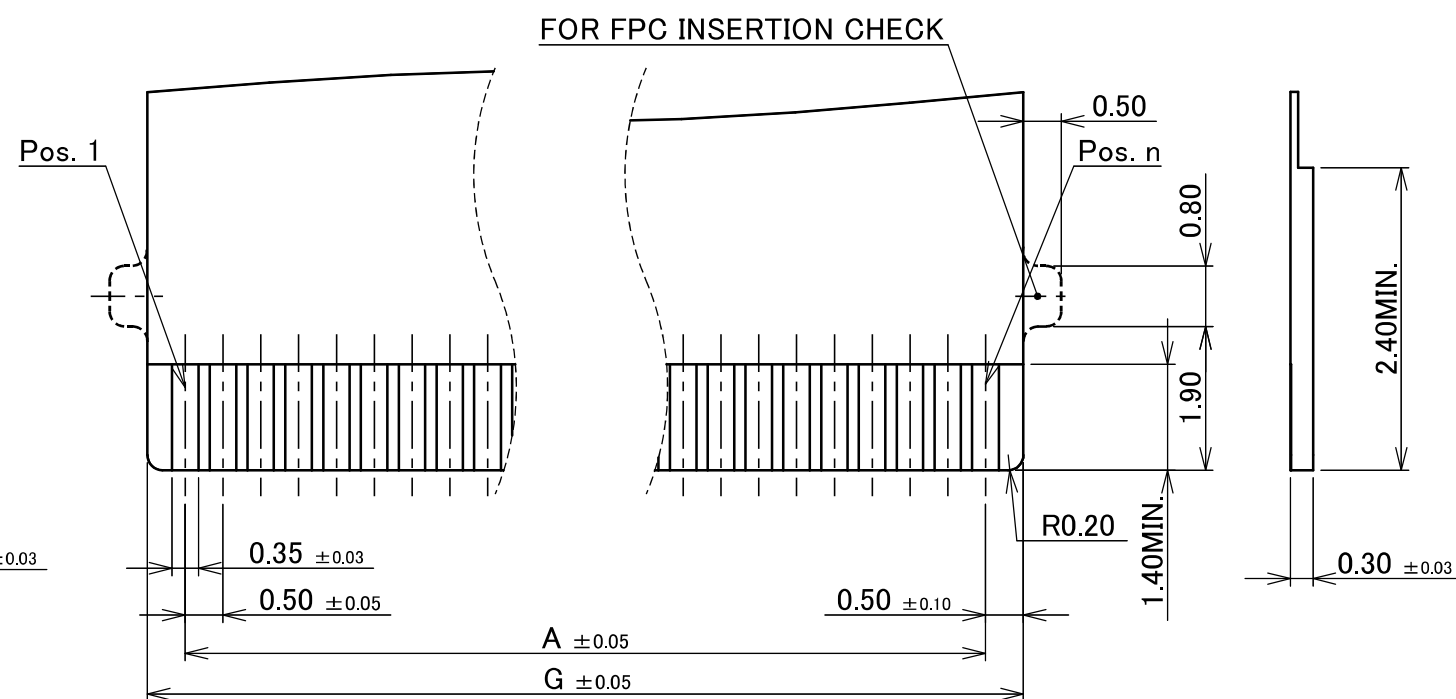
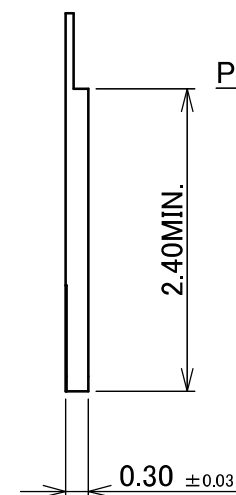
SILK PRINT
FOR FPC INSERTION CHECK



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



RECOMMENDED FPC LAYOUT (TOP CONTACT TYPE)



RECOMMENDED FPC LAYOUT (BOTTOM CONTACT TYPE)

NOTES

2.MATERIAL

COVER FILM : PI

CONDUCTOR : COPPER(RARE)

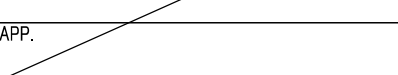
BASE FILM : PI

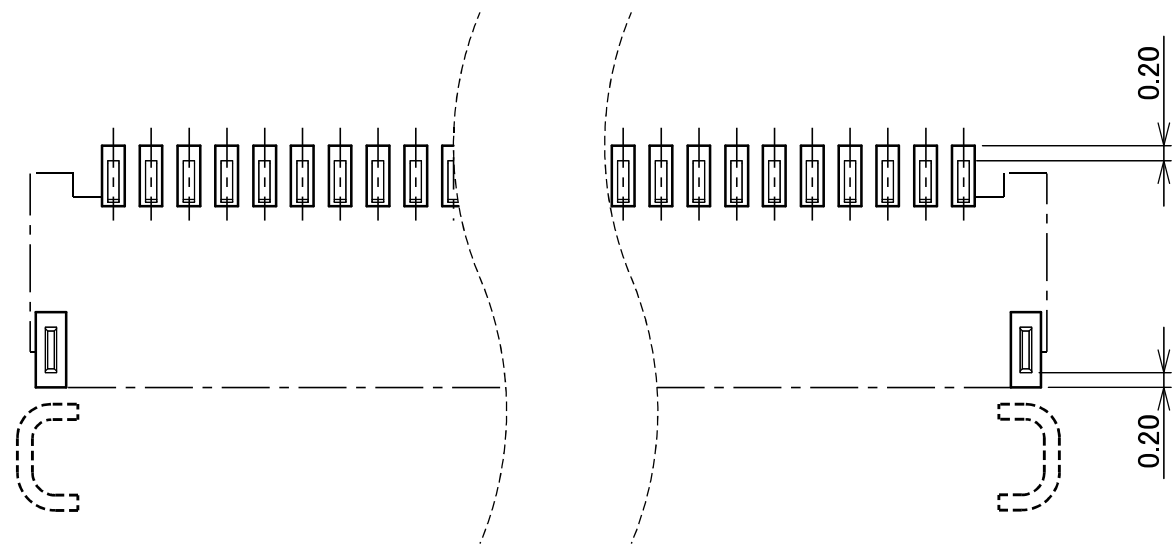
STIFFENER : PI

ADHESIVE : THERMOSETTING ADHESIVE

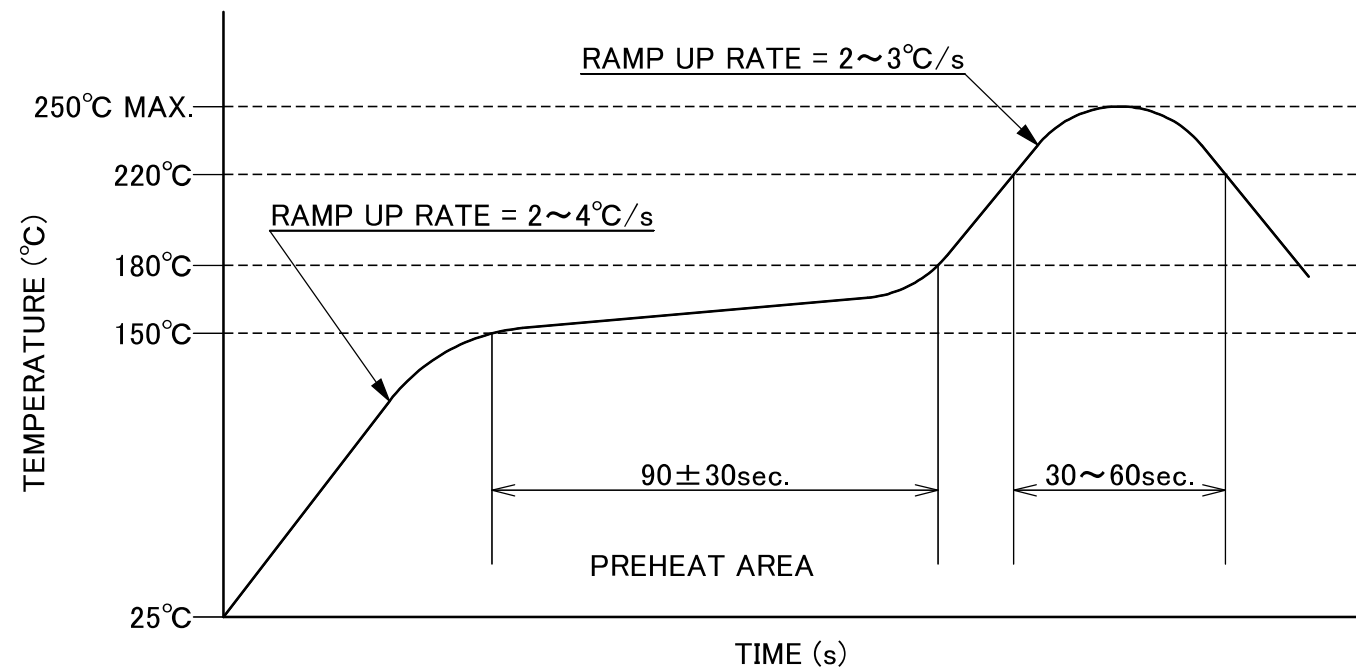
3.FINISH

Au OVER Ni PLATING.

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY				
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2					
GENERAL TOLERANCE.					TITLE MINIFLEX® 5-BFN II L		SCALE			
DWG.		DATE					10:1			
CHK.							UNIT			
							mm			
APP.					DWG. No.	20586		SIZE	SHEET	REV.
							A3	3/5		11



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

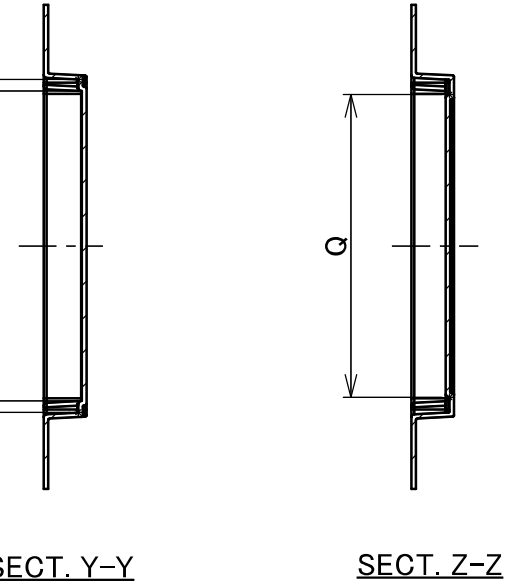
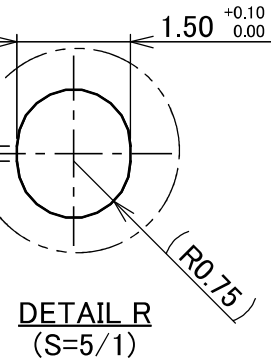
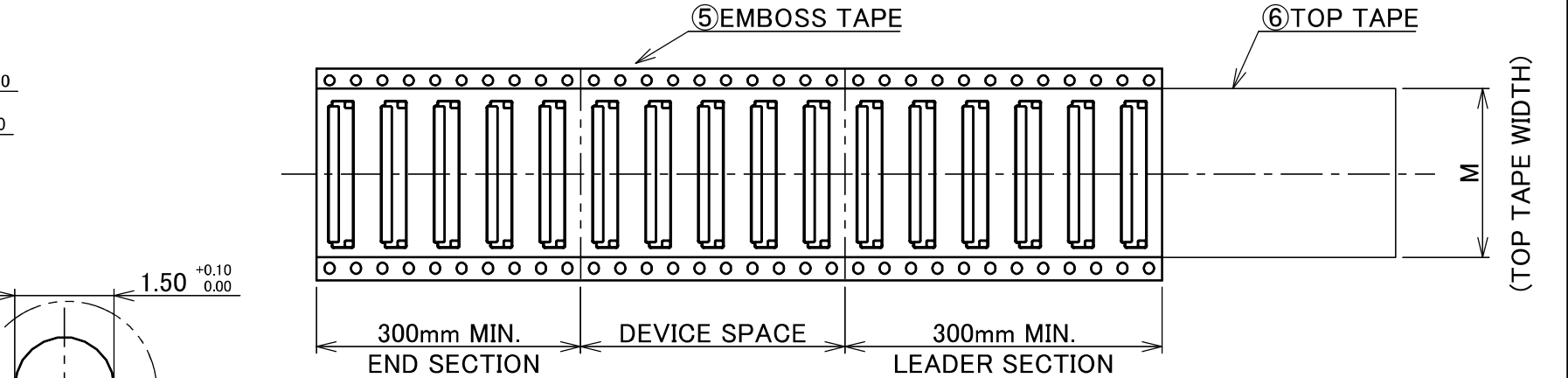


REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

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 L		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.		SIZE	SHEET	REV.
				20586		A3	4/5	11

PART No.	J	K	L	M	N	P	Q	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20586-032E-01	32.0	28.4	14.2	26.0	18.0	16.5	16.0	4000 PIECES / REEL	4 REELS / CARTON (16000 PIECES / CARTON)
20586-034E-01					19.0	17.5	17.0		
◆20586-036E-01					20.0	18.5	18.0		
20586-040E-01					22.0	20.5	20.0		
◆20586-044E-01	44.0	40.4	20.2	37.0	24.0	22.5	22.0	4000 PIECES / REEL	3 REELS / CARTON (12000 PIECES / CARTON)
◆20586-048E-01					26.0	24.5	24.0		
20586-050E-01					27.0	25.5	25.0		
20586-054E-01					29.0	27.5	27.0		
◆20586-060E-01					32.0	30.5	30.0		

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.



8	PACKING LABEL	-	-
7	REEL	PS	BLACK
6	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC TYPE HEAT WELDING TYPE
5	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 L		SCALE	I-PEX		
DWG.	DATE					1:X			
CHK.						UNIT mm			
APP.				DWG. No.	20586	SIZE A3	SHEET 5/5	REV. 11	

