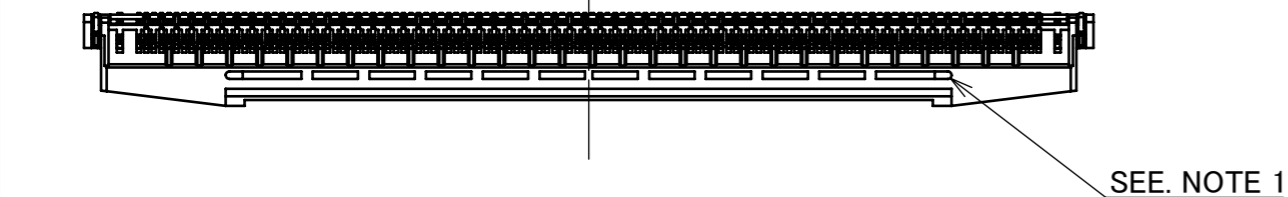
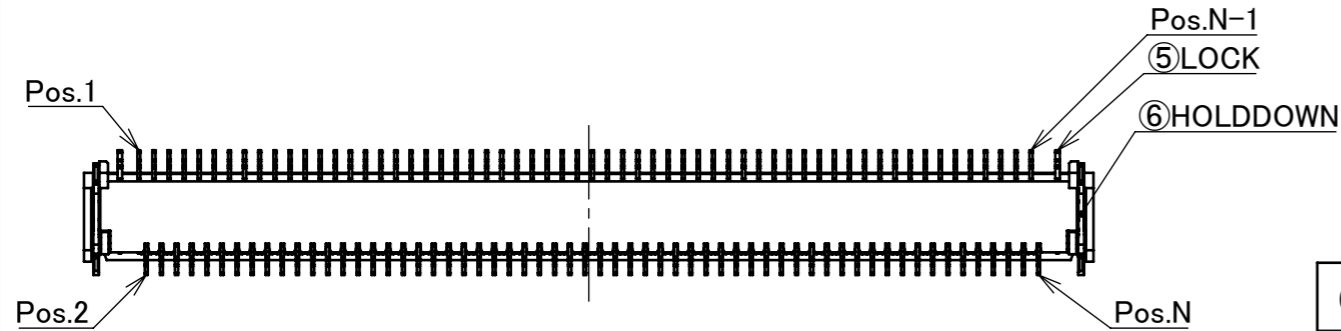
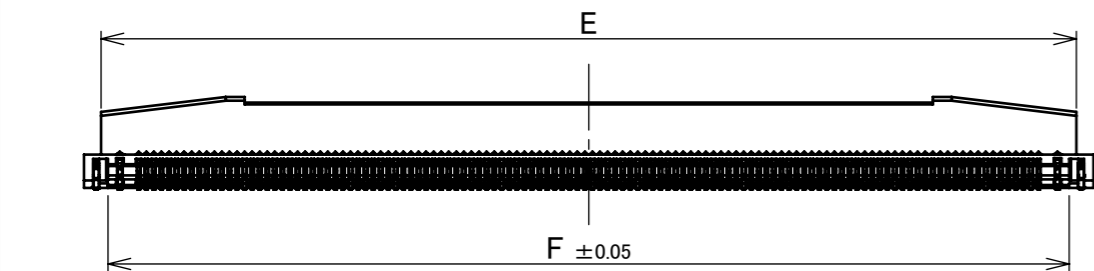
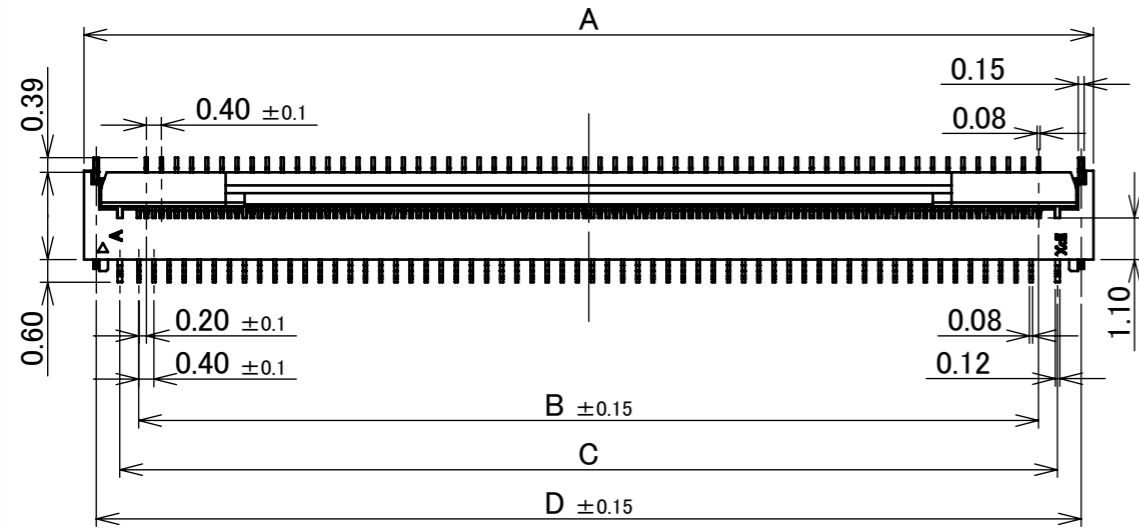
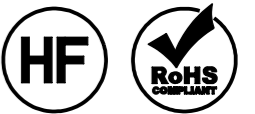
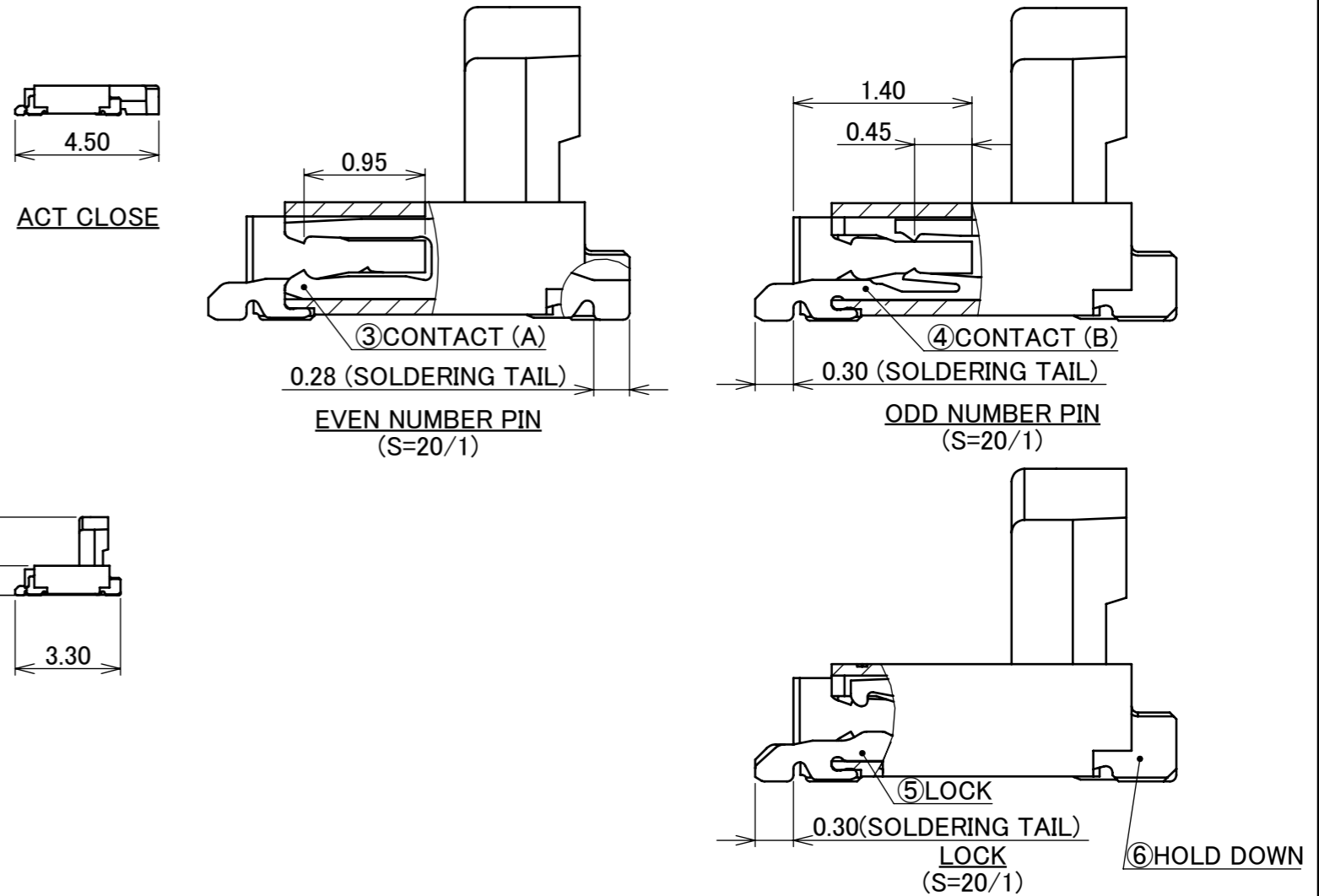


Recommended P/N 20817-120E-01

PART No.	Pos.	A	B	C	D	E	F
20817-120E-01	120P	26.70	23.80	24.80	26.05	25.80	25.42



- NOTES.
- This dent shape is purposed for good injection quality. This dent shape will not affect connector function. Dent shape shown on drawing is just for reference. Dent shape and quantity might change from different pin count and different tooling.
 - CONTACT POINT : TOP AND BOTTOM CONTACT.



6	HOLD DOWN	BRASS	SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
5	LOCK	PHOSPHOR BRONZE	SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
4	CONTACT(B)	PHOSPHOR BRONZE	CONTACT AREA&SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
3	CONTACT(A)	PHOSPHOR BRONZE	CONTACT AREA&SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
2	ACTUATOR	LCP	UL94V-0, BLACK
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

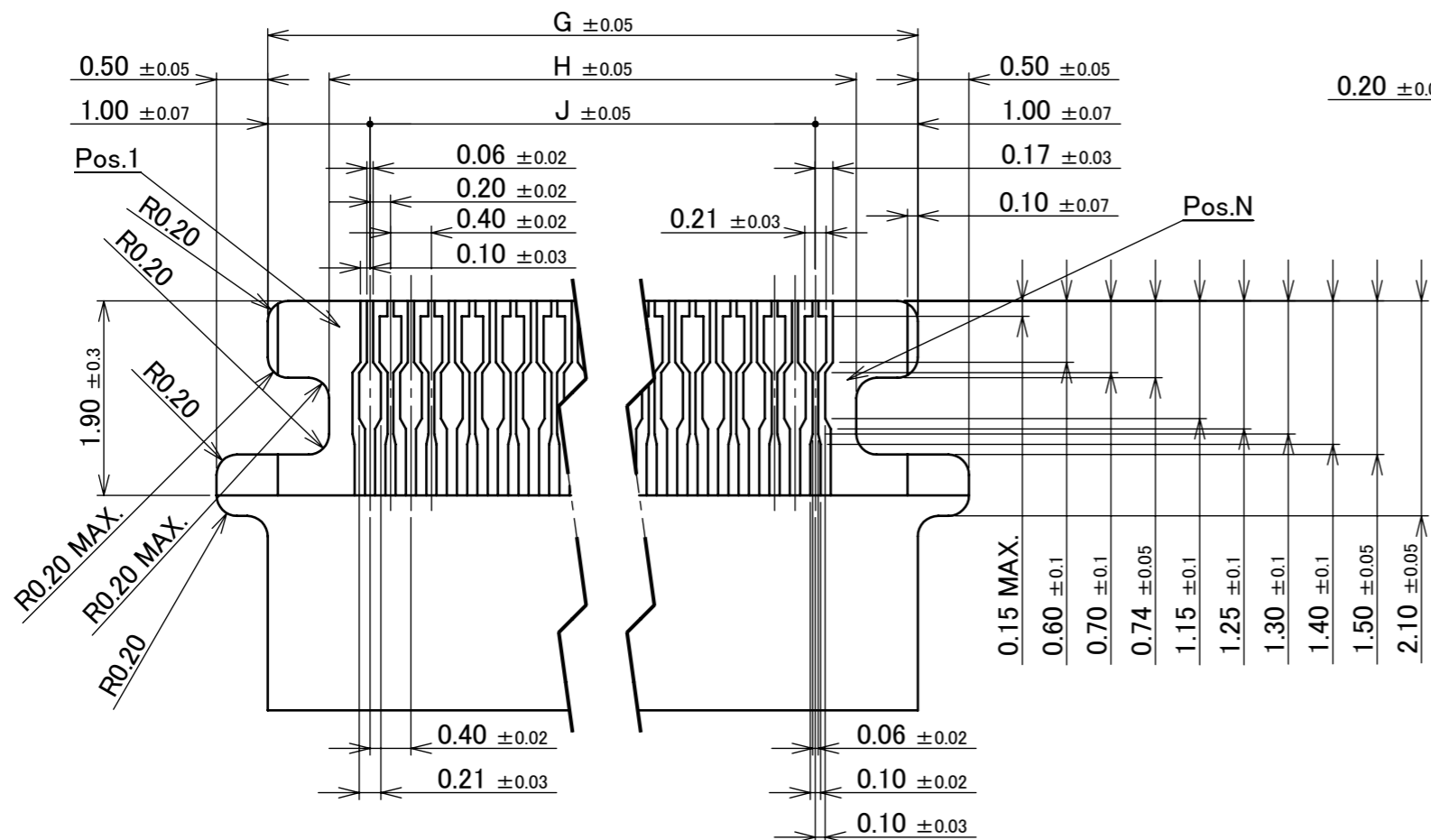
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R1	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.				±0.5		
GENERAL TOLERANCE.				TITLE MINIFLEX® 2-BF LK TYPE ASS'Y	SCALE 5:1	UNIT mm			
2	Z191238	S.Sh	Sept./17/'19				H.I	SIZE A3	SHEET 1/5 REV. 2
1	Z181322	R.F	Oct./09/'18				H.I		
0	Z180413	A.K	Mar./30/'18						
REV.	ECN	BY	DATE	APP.	DWG. No.	20817			
REVISION RECORD					H.Ikari	Mar./30/'18			

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE	0.2A DC (PER CONTACT)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 100mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC150V 1min
DURABILITY	20 CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL: 0.2N (20.4gf) \times n + 0.42N MAX. 20 CYCLES : 0.2N (20.4gf) \times n + 0.42N MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL: 0.014N (1.4gf) \times n + 0.028N MIN. 20 CYCLES : 0.014N (1.4gf) \times n + 0.028N MIN.
FPC RETENTION FORCE (INITIAL / 20TH CYCLES)	INITIAL: 0.2N (20.4gf) \times n + 1.0N MIN. 20 CYCLES : 0.2N (20.4gf) \times n + 1.0N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2422
TEST REPORT	TR-18021
PACKING STANDARD	PST-18024
INSTRUCTION MANUAL	HIM-17036
APPEARANCE CRITERIA No.	QLS-A***

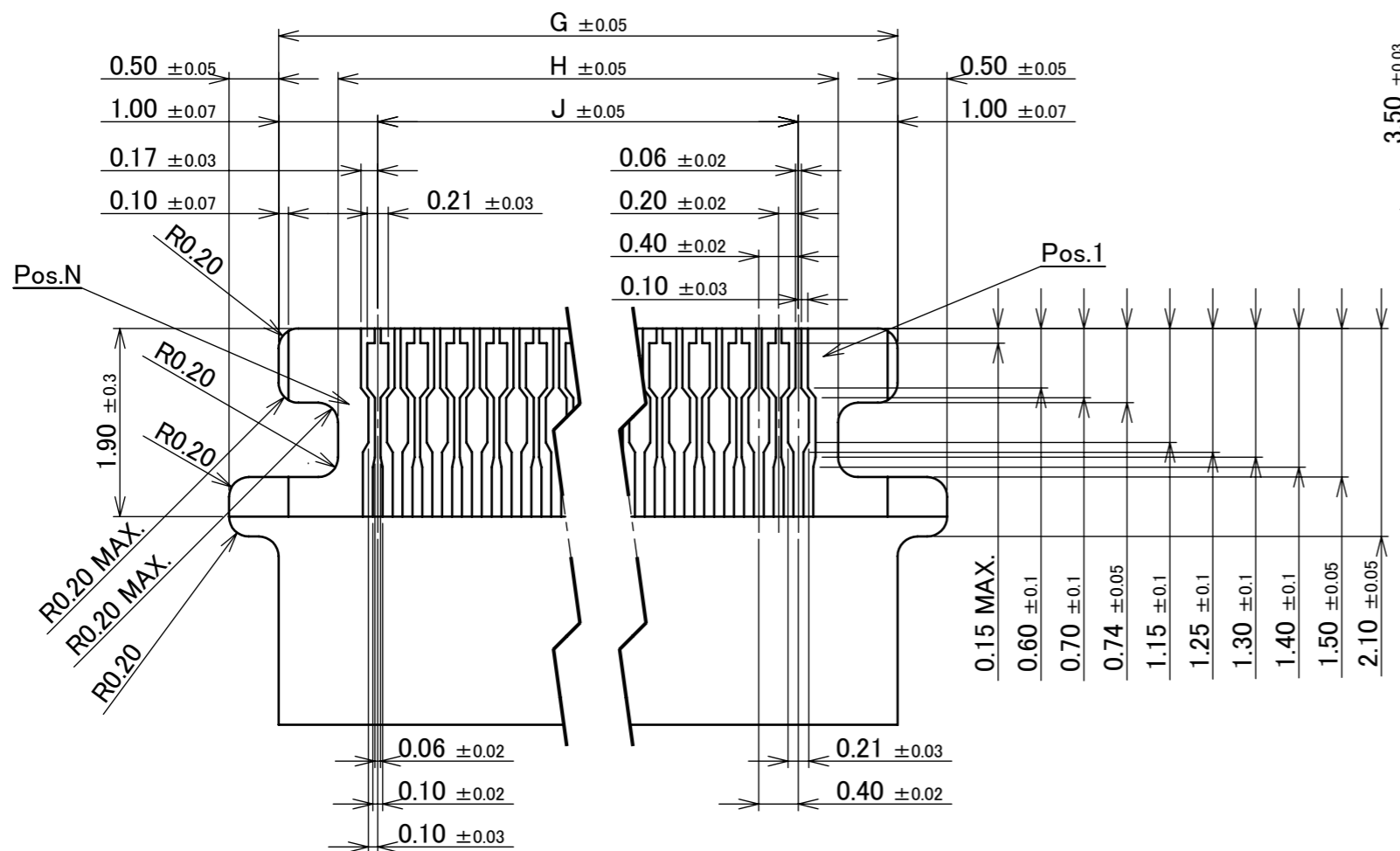
※ "n" IS THE NUMBER OF PIN

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R1	CUSTOMER COPY
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5			
GENERAL TOLERANCE.				TITLE MINIFLEX [®] 2-BF LK TYPE ASS'Y	SCALE	UNIT mm
DWG.	DATE					
CHK.	DATE					
APP.	DATE					
				DWG. No.	20817	SIZE A3
				SHEET	2/5	REV. 2

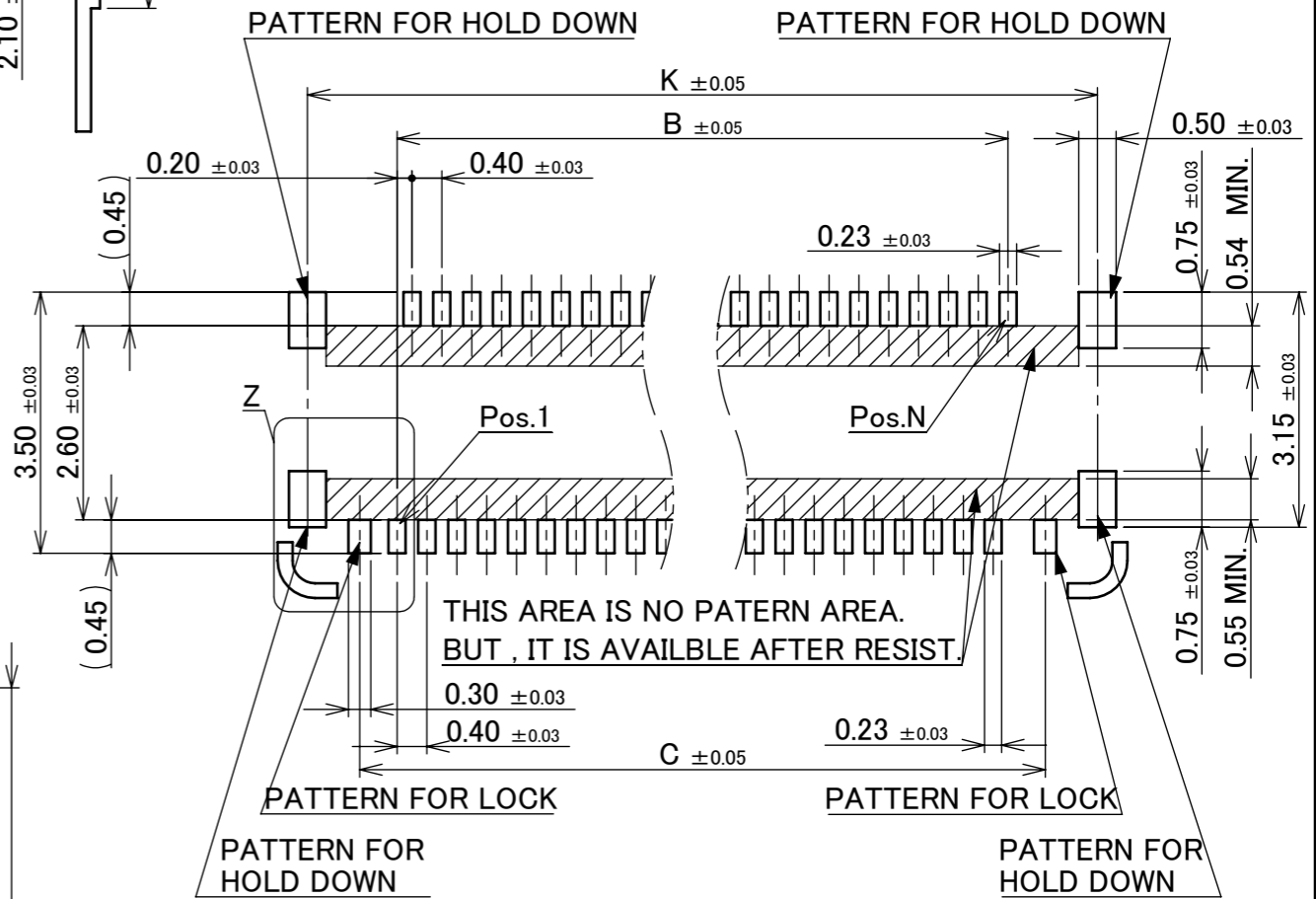
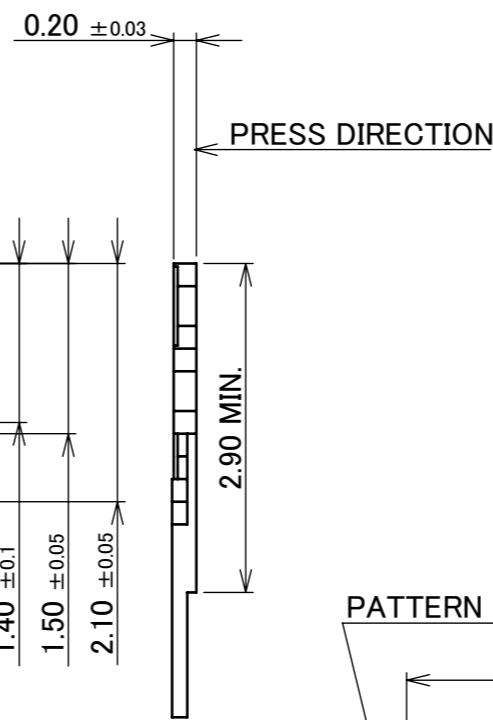
PART No.	Pos.	B	C	G	H	J	K
20817-120E-01	120P	23.80	24.80	25.40	24.20	23.40	26.20



RECOMMENDED FPC LAYOUT (For TOP CONTACT)

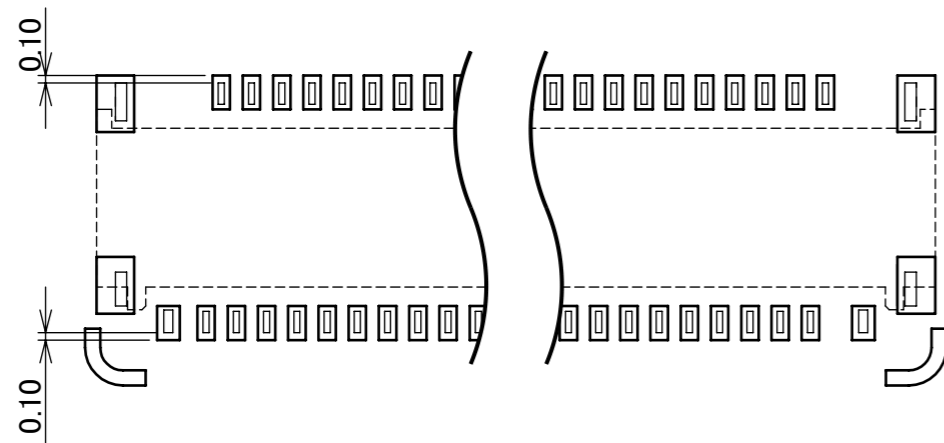


RECOMMENDED FPC LAYOUT (For BOTTOM CONTACT)

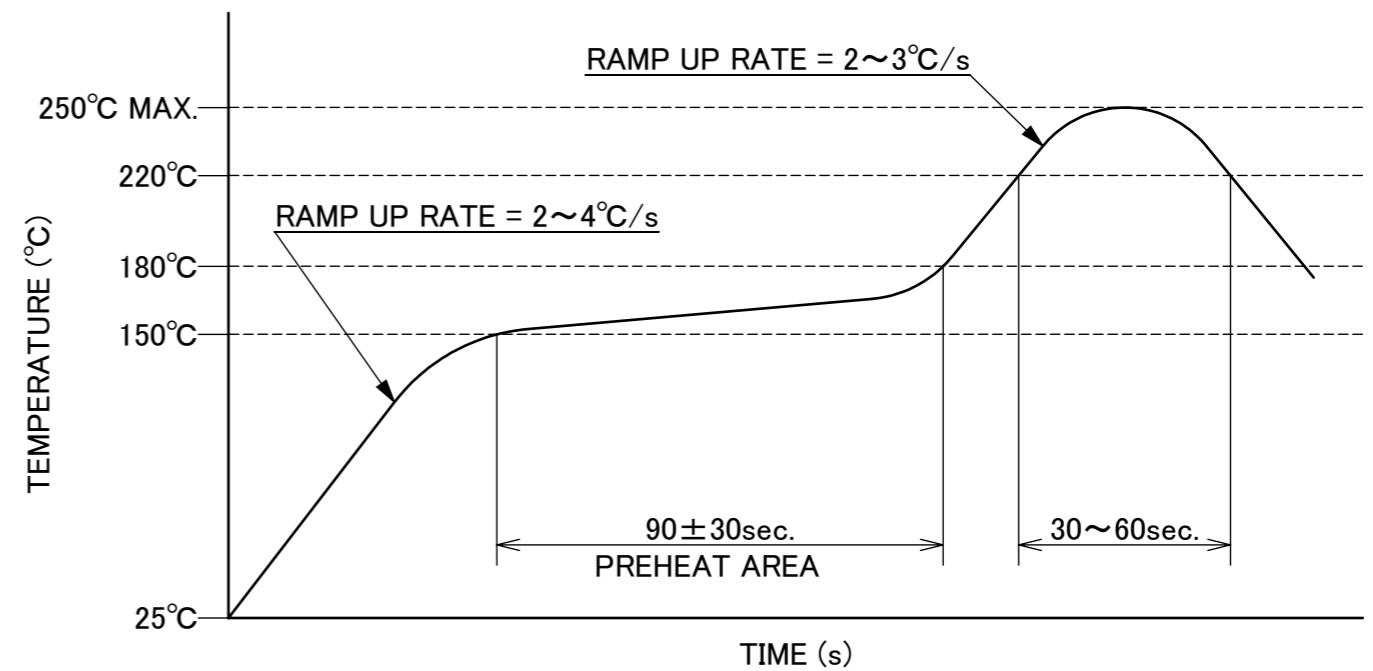


RECOMMENDED PCB LAYOUT & METAL MASK LAYOUT
METAL MASK THICKNESS : $t=0.12\text{mm}$

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION	SERIES No.	CUSTOMER COPY
					R1	
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5	TITLE		SCALE
GENERAL TOLERANCE.				MINIFLEX® 2-BF		10:1
DWG.	DATE			LK TYPE ASS'Y		UNIT
CHK.	DATE					mm
APP.	DATE			DWG. No.		SIZE
				20817		A3
						SHEET 3/5
						REV. 2



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. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 2-BF LK TYPE ASS'Y	SCALE 5:1	UNIT mm I-PEX		
DWG.	DATE							
CHK.	DATE							
APP.	DATE							
				DWG. No.	20817	SIZE A3	SHEET 4/5	REV. 2

