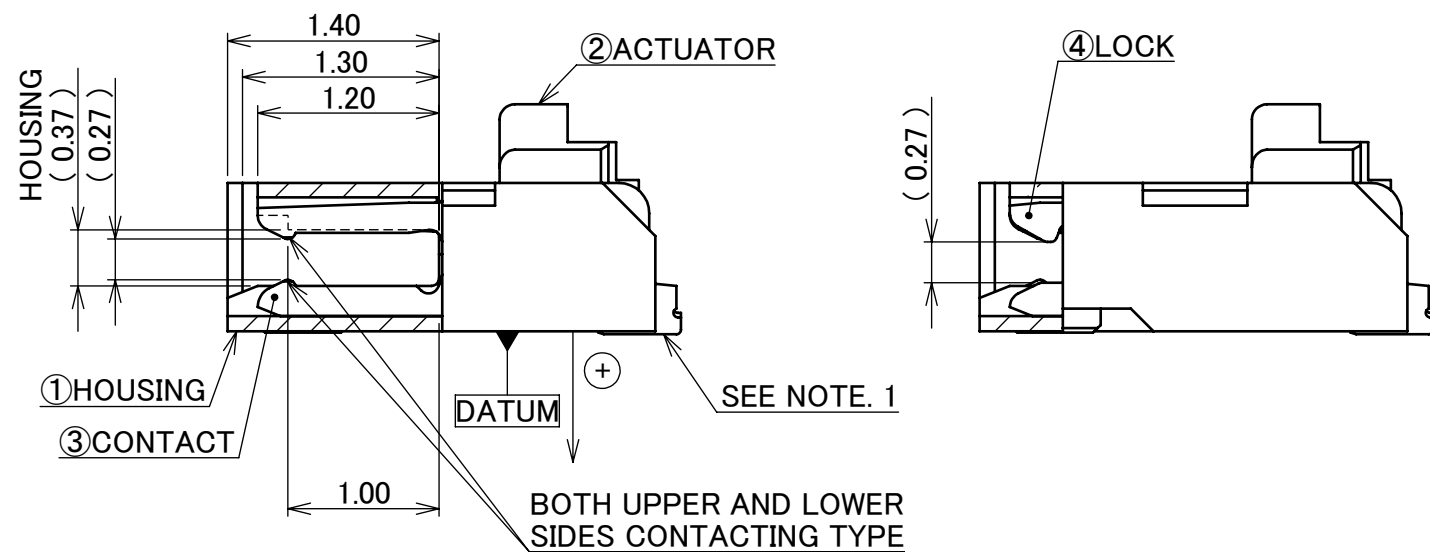
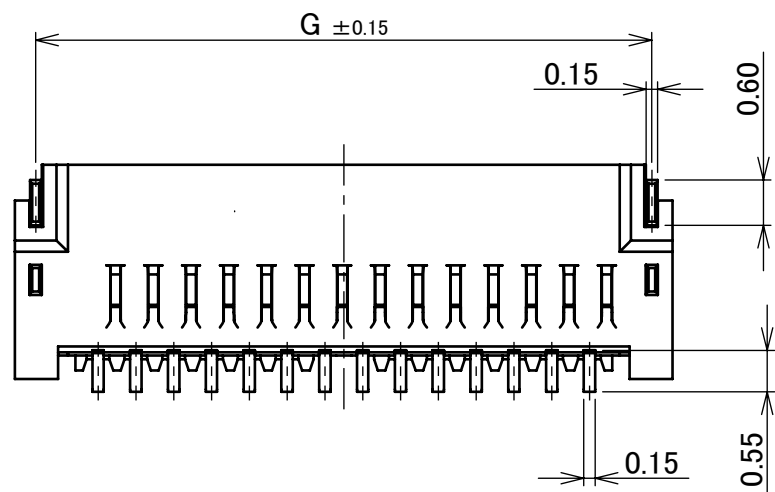
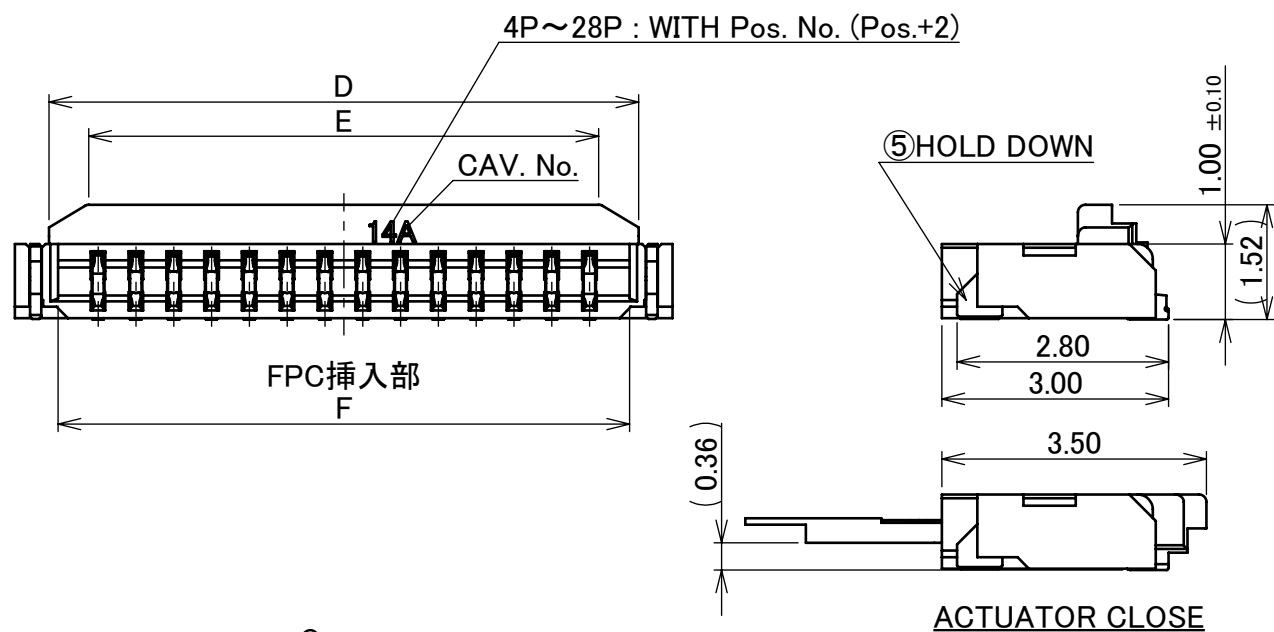
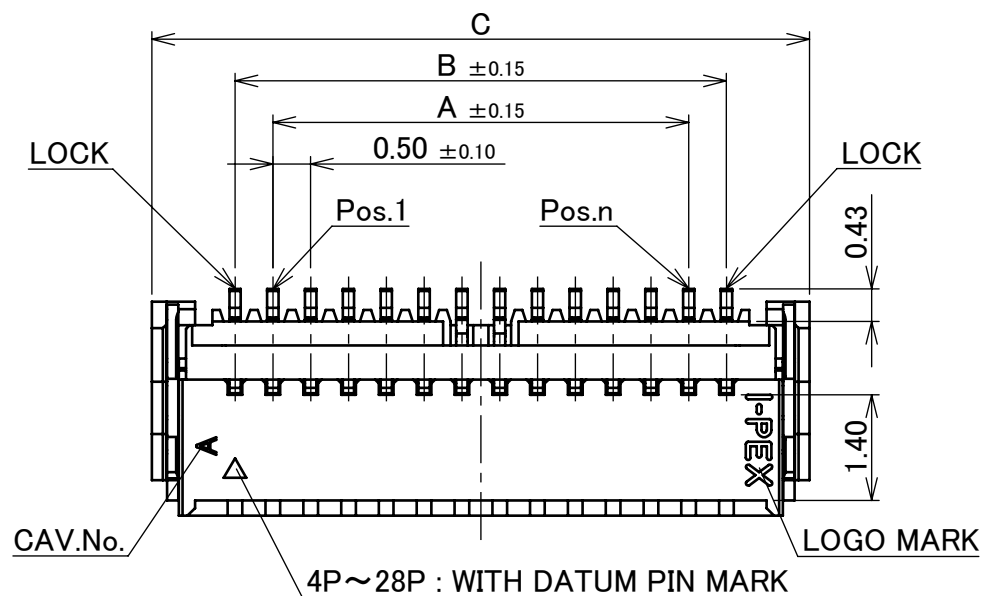




PART No.	POS.	A	B	C	D	E	F	G
20600-004E-01	4	1.50	2.50	4.70	3.80	2.80	3.56	4.15
20600-006E-01	6	2.50	3.50	5.70	4.80	3.80	4.56	5.15
20600-008E-01	8	3.50	4.50	6.70	5.80	4.80	5.56	6.15
20600-010E-01	10	4.50	5.50	7.70	6.80	5.80	6.56	7.15
20600-012E-01	12	5.50	6.50	8.70	7.80	6.80	7.56	8.15
20600-014E-01	14	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
◆20600-022E-01	22	10.50	11.50	13.70	12.80	6.80	12.56	13.15
20600-024E-01	24	11.50	12.50	14.70	13.80	7.80	13.56	14.15
◆20600-026E-01	26	12.50	13.50	15.70	14.80	8.80	14.56	15.15
◆20600-028E-01	28	13.50	14.50	16.70	15.80	9.80	15.56	16.15

◆MARK MEANS NOT AVAILABLE.



NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS
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

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

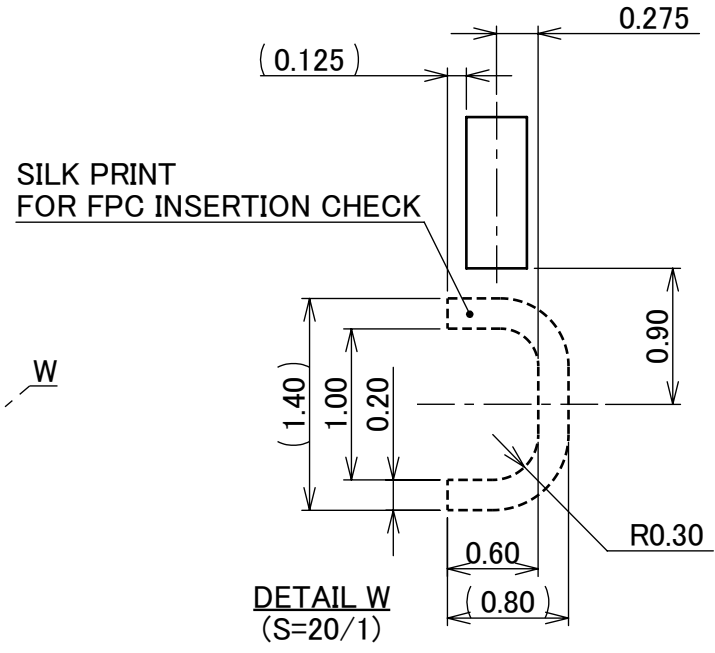
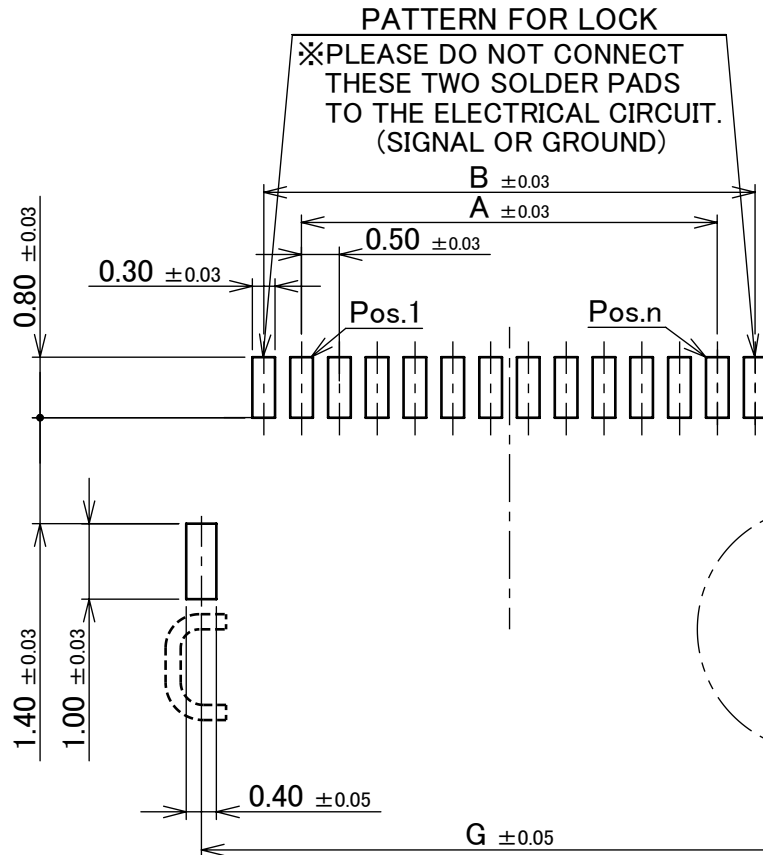
NOTES
1. CONTACT TAIL IS PROJECTION FROM HOUSING IN THE + DIRECTION. (0~0.06)

REV.	ECN	BY	DATE	APP.	APPROVAL	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
10	Z240578	S.Sh	June/07/'24	T.M	ANGLE ±2° 6 OVER 30 MAX. ±0.3	PROJECTION	R2	MINIFLEX® 5-BFN II LK	10:1	1/5	10
9	Z210671	M.M	June/23/'21	H.I	6 MAX. ±0.2 30 OVER 120 MAX. ±0.5						
8	Z200582	M.M	June/05/'20	Y.S	GENERAL TOLERANCE.						
7	Z191264	R.F	Sept./30/'19	H.I	DWG. DATE						
6	Z181426	K.T	Nov./01/'18	Y.S	Y.Nakamura 2013/11/20						
5	Z181192	K.T	Sept/12/'18	Y.S	CHK. J.Tateishi						
REV.	ECN	BY	DATE	APP.	APP. E.Kawabe	DWG. No.	20600		A3		

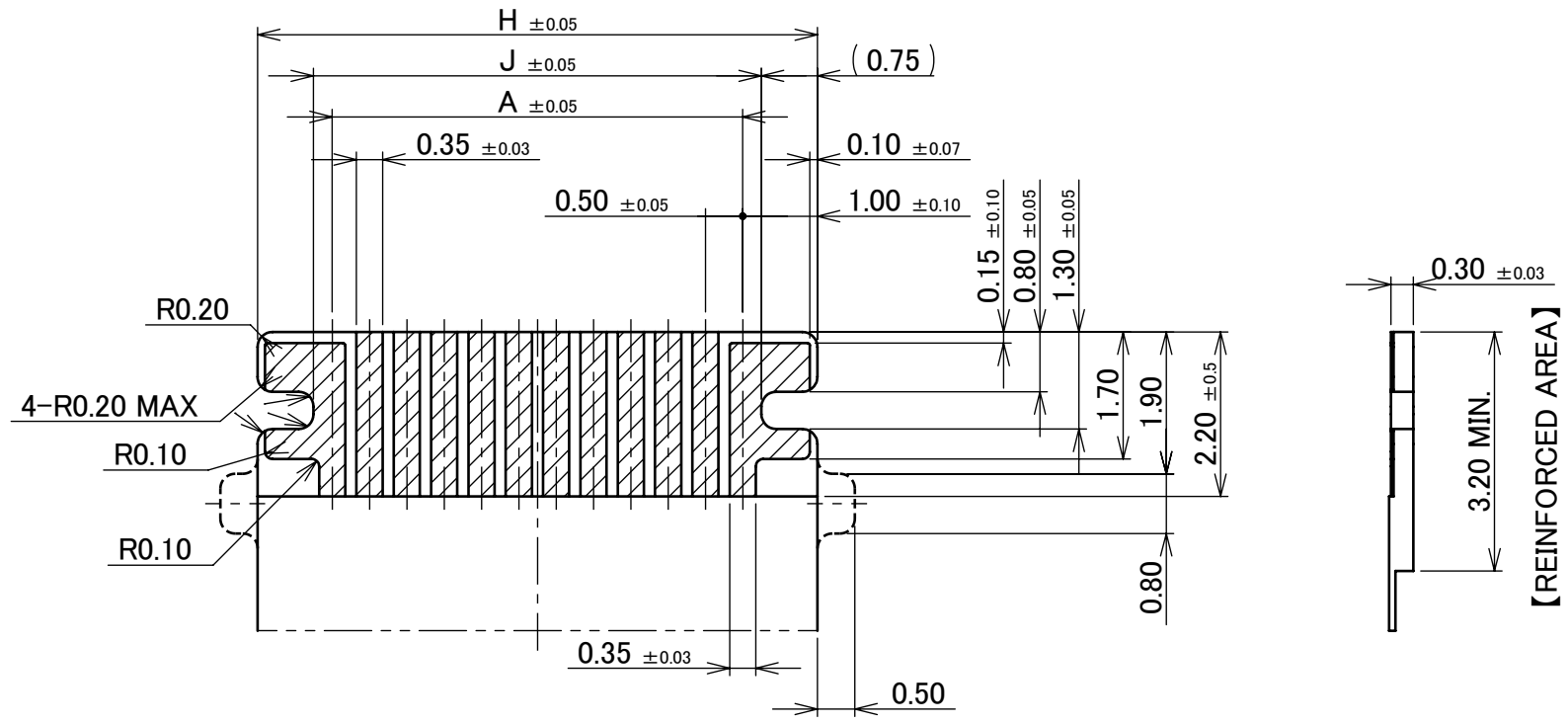
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT PIN)
RATING AMPERAGE	0.5A DC (PER CONTACT PIN) 7.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~398K(-40°C~125°C)
OPERATING HUMIDITY	80% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : \angle 20mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES : 0.6N(61gf) \times (n + 2) MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES : 0.05N(5gf) \times (n + 2) MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL : 0.15N(15gf) \times n + 2.0N MIN. / AFTER TEST : 0.15N(15gf) \times 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	$\pm 2^\circ$	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	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20600	SIZE	SHEET	REV.
						A3	2/5	10



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

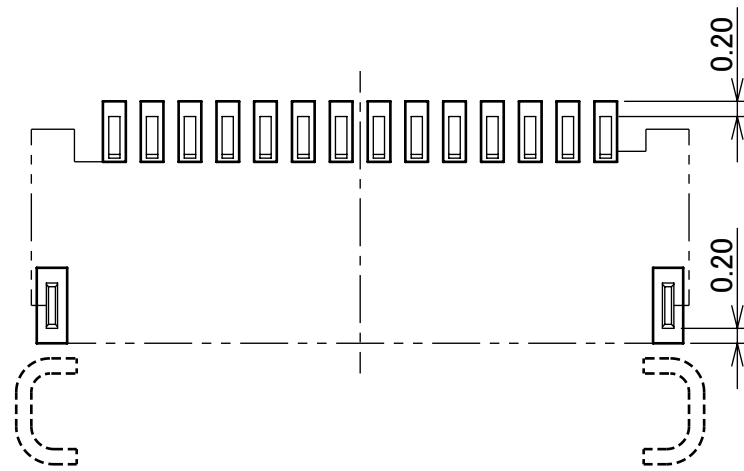


PART No.	POS.	A	B	G	H	J
20600-004E-01	4	1.50	2.50	4.15	3.50	2.00
20600-006E-01	6	2.50	3.50	5.15	4.50	3.00
20600-008E-01	8	3.50	4.50	6.15	5.50	4.00
20600-010E-01	10	4.50	5.50	7.15	6.50	5.00
20600-012E-01	12	5.50	6.50	8.15	7.50	6.00
20600-014E-01	14	6.50	7.50	9.15	8.50	7.00
20600-016E-01	16	7.50	8.50	10.15	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
◆20600-022E-01	22	10.50	11.50	13.15	12.50	11.00
20600-024E-01	24	11.50	12.50	14.15	13.50	12.00
◆20600-026E-01	26	12.50	13.50	15.15	14.50	13.00
◆20600-028E-01	28	13.50	14.50	16.15	15.50	14.00

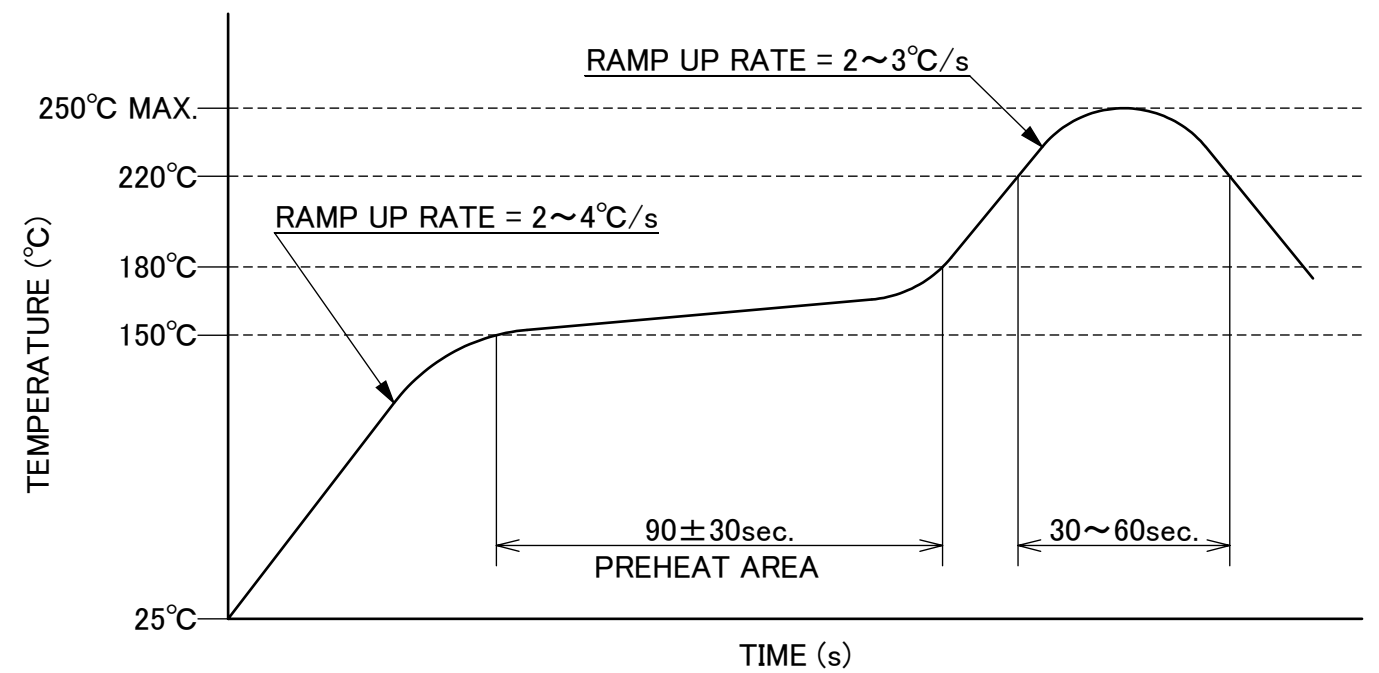
◆MARK MEANS NOT AVAILABLE.

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

ANGLE	$\pm 2^\circ$	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	SCALE		I-PEX	
DWG.	DATE			MINIFLEX® 5-BFN II LK	10:1			
CHK.					UNIT			
APP.				DWG. No.	20600	SIZE	SHEET	REV.
						A3	3/5	10



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			
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20600	SIZE A3	SHEET 4/5	REV. 10

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	24.0	21.5	11.5	9.0	7.5	7.0	5000 PIECES / REEL	5 REELS / CARTON (25000 PIECES / CARTON)
20600-014E-01				10.0	8.5	8.0		
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		
◆20600-022E-01				14.0	12.5	12.0		
20600-024E-01				15.0	13.5	13.0		
◆20600-026E-01	16.0	14.5	14.0					
◆20600-028E-01	17.0	15.5	15.0					

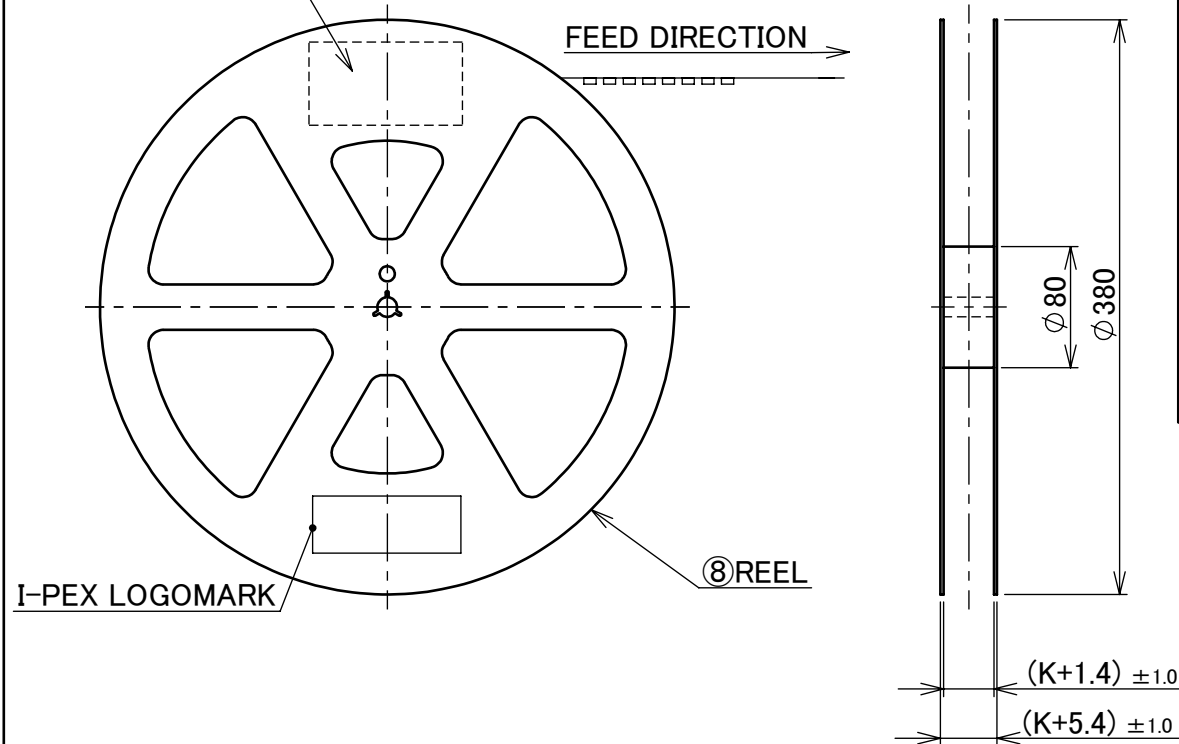
◆MARK MEANS NOT AVAILABLE.

NOTES.

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

⑨PACKING LABEL

FEED DIRECTION →



I-PEX LOGOMARK

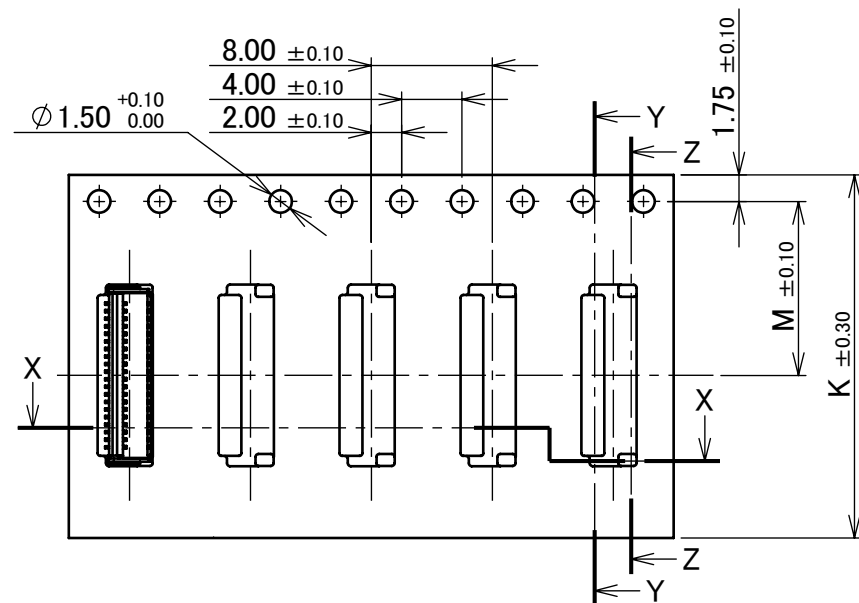
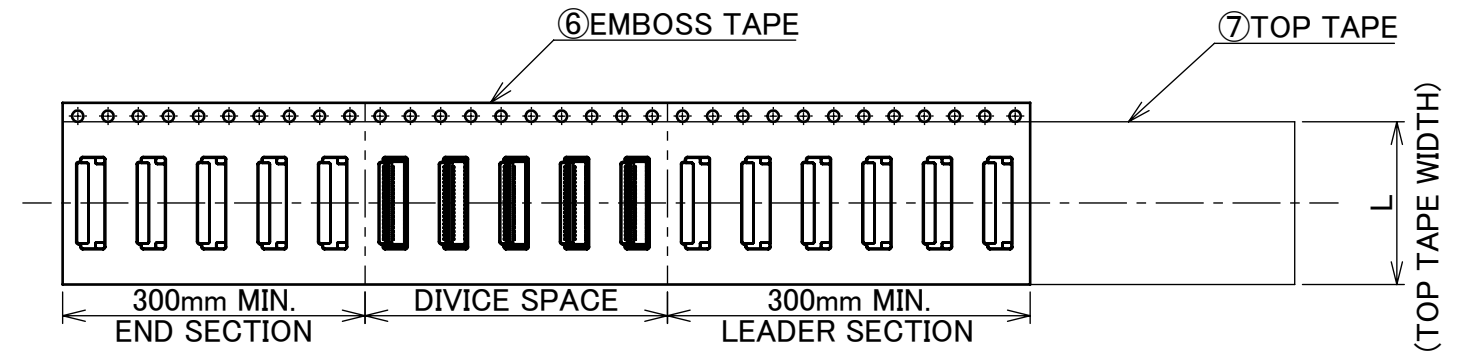
⑧REEL

$(K+1.4) \pm 1.0$

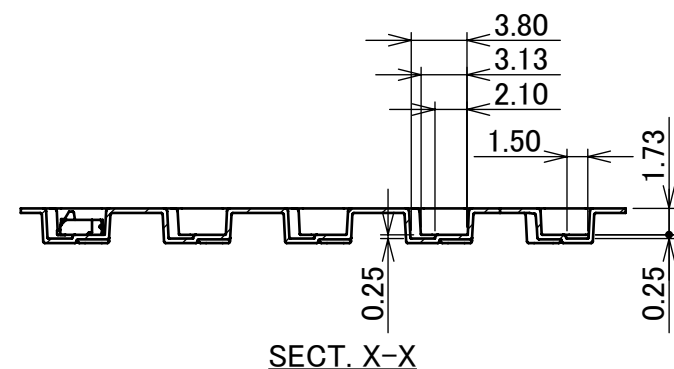
$(K+5.4) \pm 1.0$

⑥EMBOSS TAPE

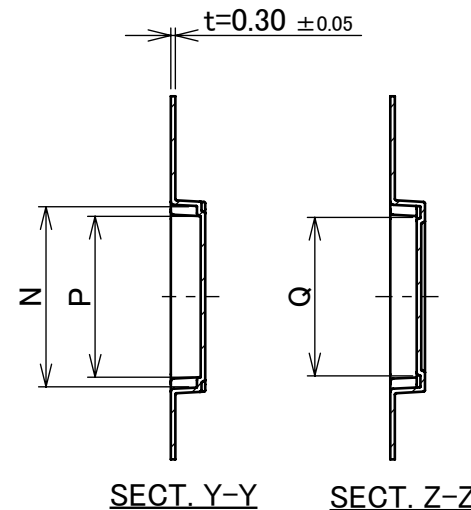
⑦TOP TAPE



FEED DIRECTION →



SECT. X-X



SECT. Y-Y

SECT. Z-Z

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
9	PACKING LABEL	-	-
8	REEL	PS	BLACK
7	TOP TAPE	PET t=0.062 TRANSPARENCY	ANTI-STATIC TYPE HEAT WELDING TYPE
6	EMBOSS TAPE	PS t=0.3 TRANSPARENCY	ANTI-STATIC TYPE

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