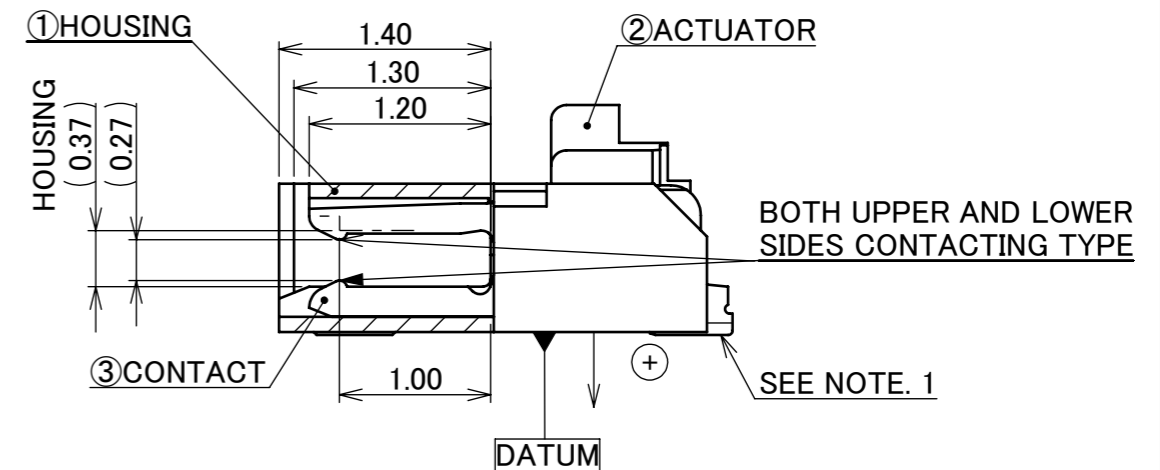
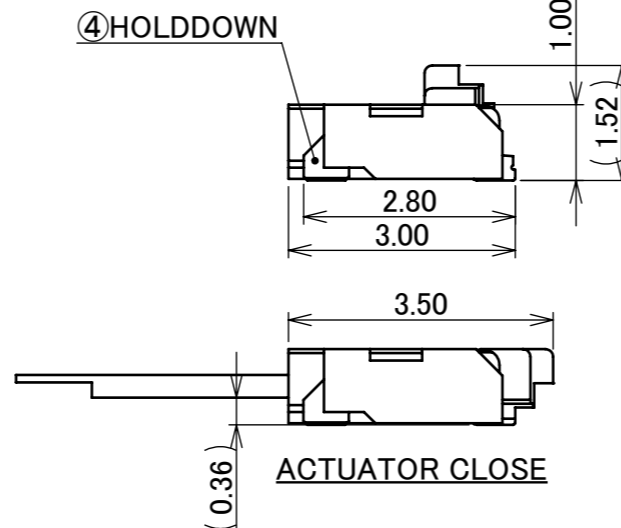
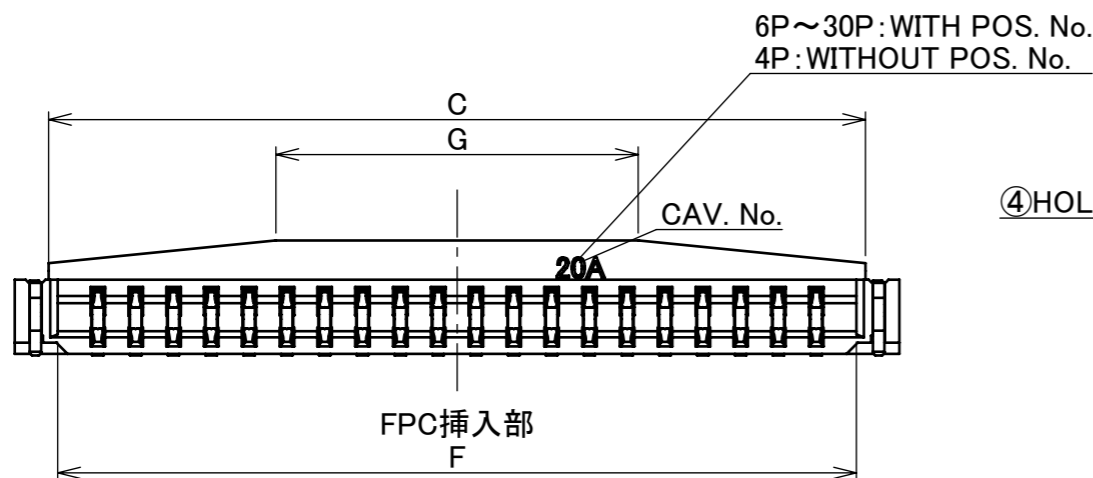
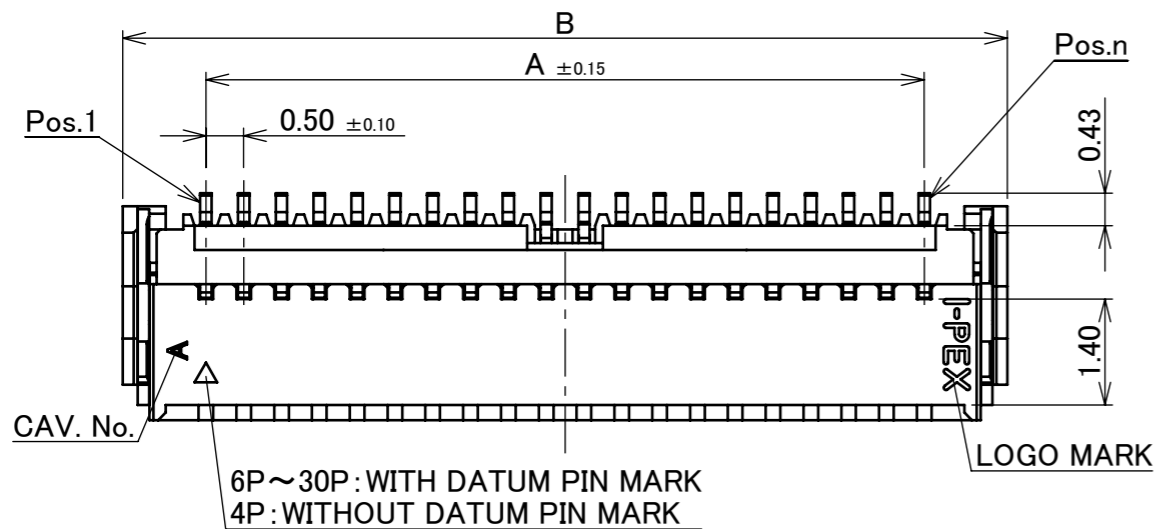




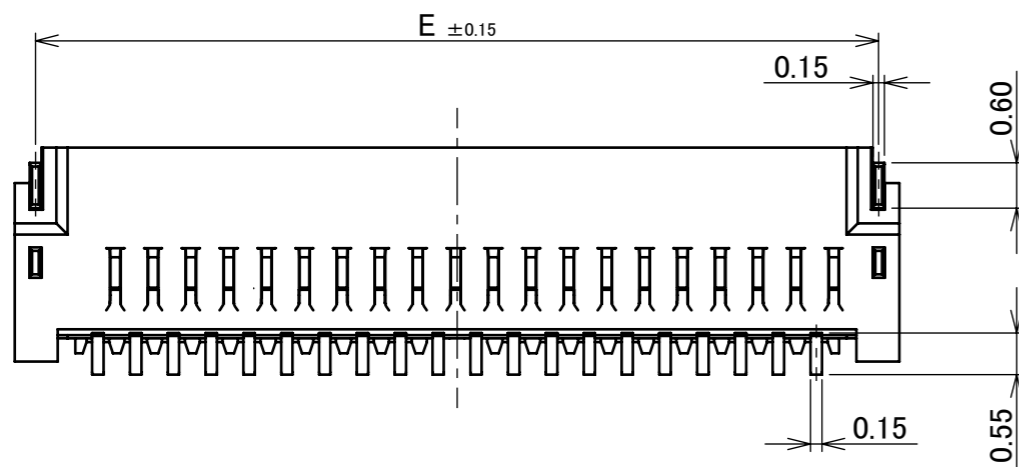
Halogen Free



RoHS Compliant



PART No.	POS.	A	B	C	D	E	F	G
20542-004E-01	4	1.50	3.70	2.80	2.50	3.15	2.56	1.80
20542-006E-01	6	2.50	4.70	3.80	3.50	4.15	3.56	2.80
20542-008E-01	8	3.50	5.70	4.80	4.50	5.15	4.56	3.80
20542-010E-01	10	4.50	6.70	5.80	5.50	6.15	5.56	4.80
20542-012E-01	12	5.50	7.70	6.80	6.50	7.15	6.56	5.80
20542-014E-01	14	6.50	8.70	7.80	7.50	8.15	7.56	6.80
20542-016E-01	16	7.50	9.70	8.80	8.50	9.15	8.56	7.80
20542-018E-01	18	8.50	10.70	9.80	9.50	10.15	9.56	8.80
20542-020E-01	20	9.50	11.70	10.80	10.50	11.15	10.56	9.80
20542-022E-01	22	10.50	12.70	11.80	11.50	12.15	11.56	10.80
20542-024E-01	24	11.50	13.70	12.80	12.50	13.15	12.56	11.80
20542-026E-01	26	12.50	14.70	13.80	13.50	14.15	13.56	12.80
20542-028E-01	28	13.50	15.70	14.80	14.50	15.15	14.56	13.80
20542-030E-01	30	14.50	16.70	15.80	15.50	16.15	15.56	14.80



NO.	MATERIAL	DISCRIPTION	FINISH, REMARKS
4	PHOSPHOR BRONZE	HOLD DOWN	Sn 2~6 μm MIN.OVER Ni 1.00 μm MIN.
3	PHOSPHOR BRONZE	CONTACT	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	LCP	ACTUATOR	UL94V-0, BEIGE
1	LCP	HOUSING	UL94V-0, BEIGE

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

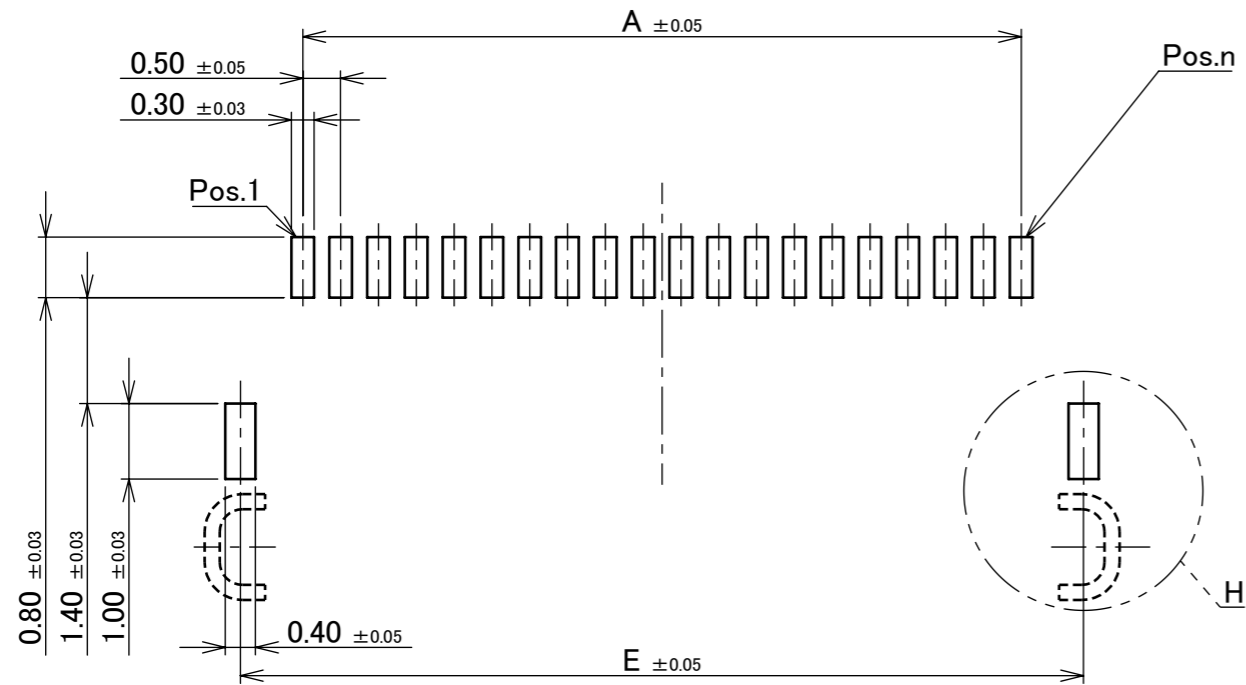
NOTES
1. CONTACT TAIL IS PROJECTION FROM HOUSING IN THE + DIRECTION. (0~0.06)

REV.	ECN	BY	DATE	APP.	DATE	DWG. No.	SIZE	SHEET	REV.
9	Z240574	S.Sh	May/14/'24	H.I	ANGLE ±2°	6 OVER 30 MAX. ±0.3	PROJECTION	SERIES No. R5	CUSTOMER COPY
8	Z191264	R.F	Sept./30/'19	H.I	6 MAX. ±0.2	30 OVER 120 MAX. ±0.5	MINIFLEX® 5-BFN II	SCALE 10:1	I-PEX
7	Z181426	K.T	Nov./01/'18	Y.S	GENERAL TOLERANCE.		TITLE	UNIT mm	
6	Z181192	K.T	Sept./12/'18	Y.S	DWG. K.Inomae	DATE 2012/11/20	DWG. No. 20542	SIZE A3	SHEET 1/5
5	Z160717	H.A	June/24/'16	Y.S	CHK. J.Tateishi	DATE			
4	Z160163	H.A	Feb./15/'16	Y.S	APP. T.Harada	DATE	REV. 9		

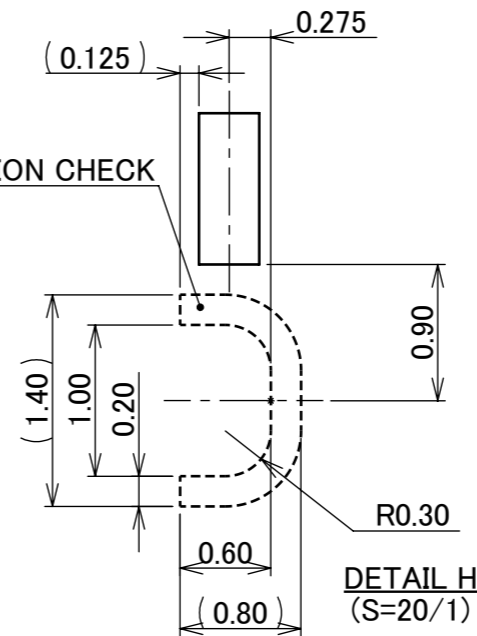
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT PIN)
RATING AMPERAGE	0.5A DC (PER CONTACT PIN) 7.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~398K(-40°C~125°C)
OPERATING HUMIDITY	80% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : \triangleleft 20mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL / 20TH CYCLES : 0.6N(61gf) × n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL / 20TH CYCLES : 0.05N(5gf) × n MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL / AFTER TEST : 0.15N(15gf) × n MIN.
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-1619
TEST REPORT	TR-12124
PACKING STANDARD	300-963
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. R5	CUSTOMER COPY			
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5			TITLE MINIFLEX® 5-BFN II	SCALE	I-PEX	
GENERAL TOLERANCE.				DWG. No. 20542	UNIT	SIZE	SHEET		REV.
DWG.	DATE				mm				
CHK.									
APP.									

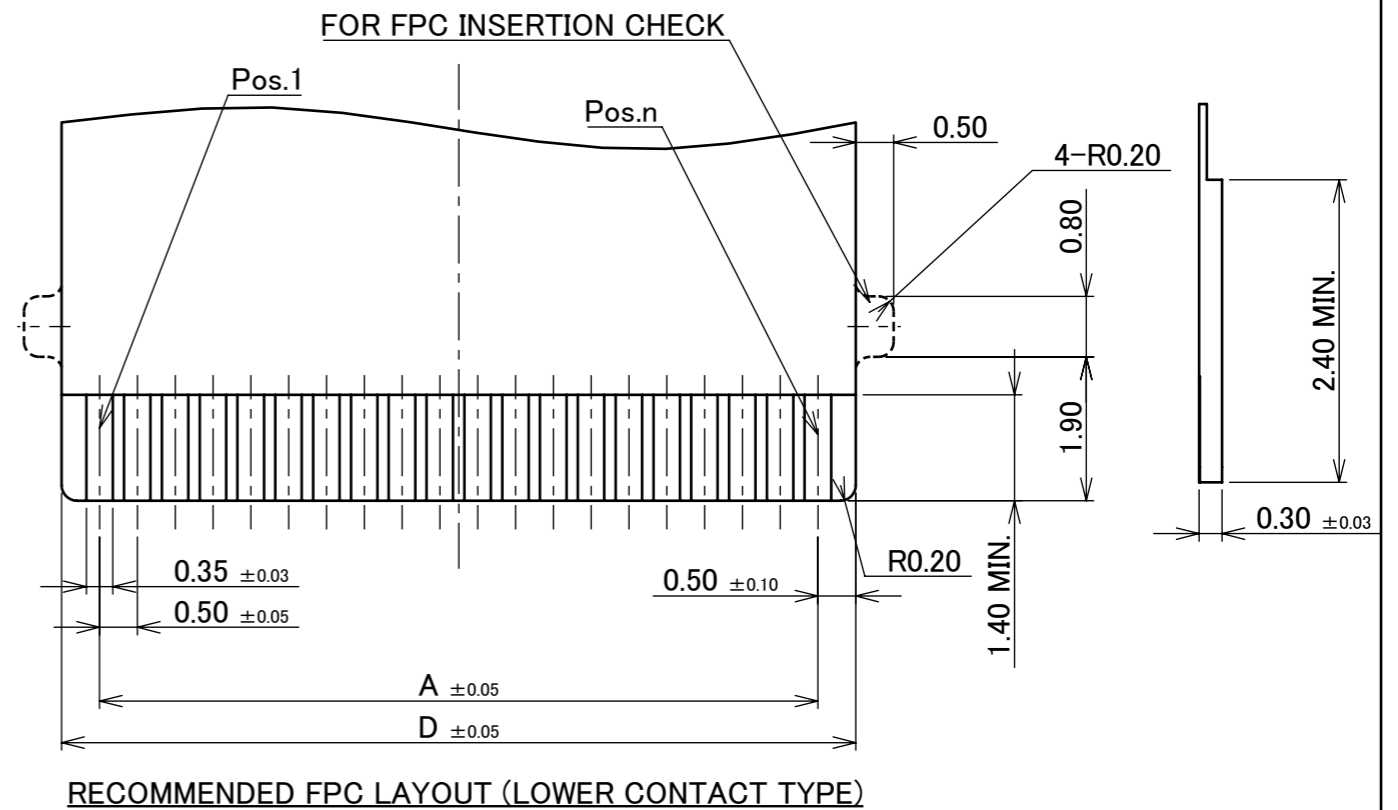
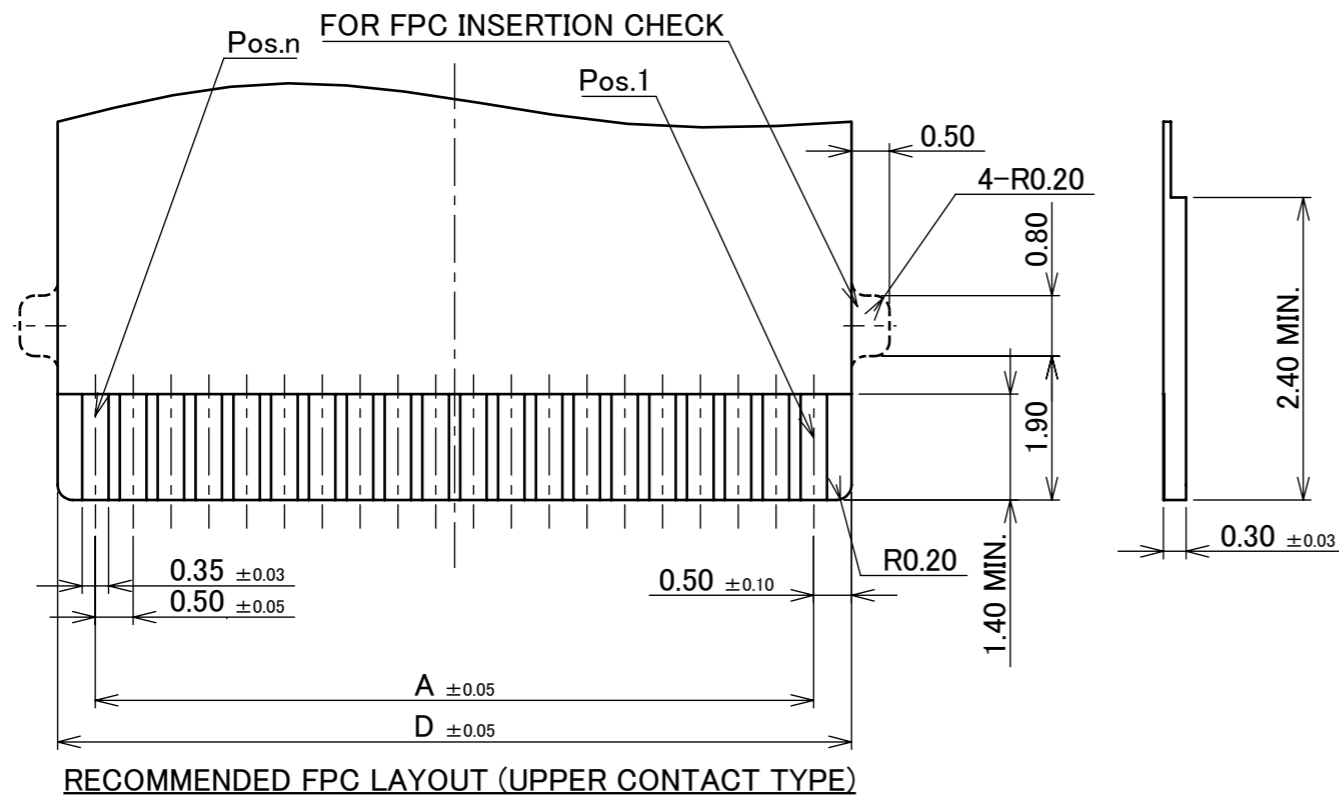


SILK PRINT FOR FPC INSERTION CHECK



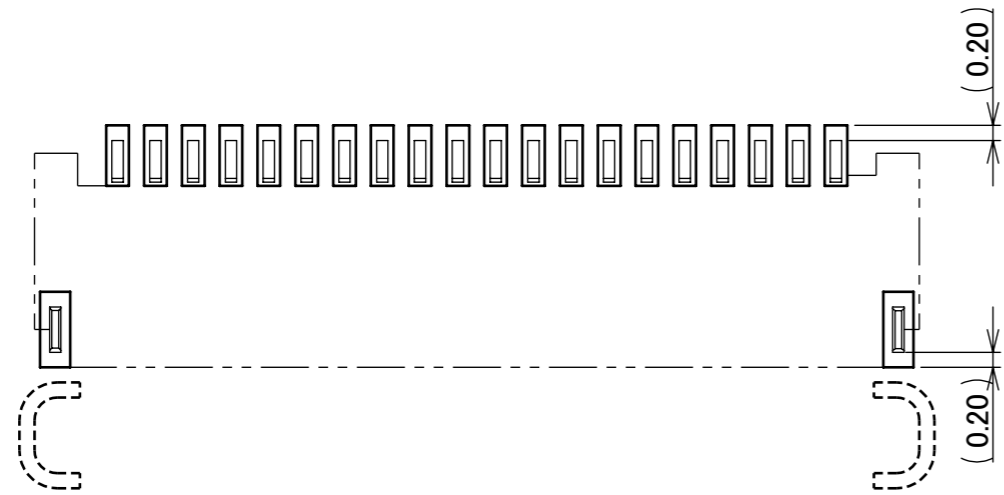
PART No.	POS.	A	D	E
20542-004E-01	4	1.50	2.50	3.15
20542-006E-01	6	2.50	3.50	4.15
20542-008E-01	8	3.50	4.50	5.15
20542-010E-01	10	4.50	5.50	6.15
20542-012E-01	12	5.50	6.50	7.15
20542-014E-01	14	6.50	7.50	8.15
20542-016E-01	16	7.50	8.50	9.15
20542-018E-01	18	8.50	9.50	10.15
20542-020E-01	20	9.50	10.50	11.15
20542-022E-01	22	10.50	11.50	12.15
20542-024E-01	24	11.50	12.50	13.15
20542-026E-01	26	12.50	13.50	14.15
20542-028E-01	28	13.50	14.50	15.15
20542-030E-01	30	14.50	15.50	16.15

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

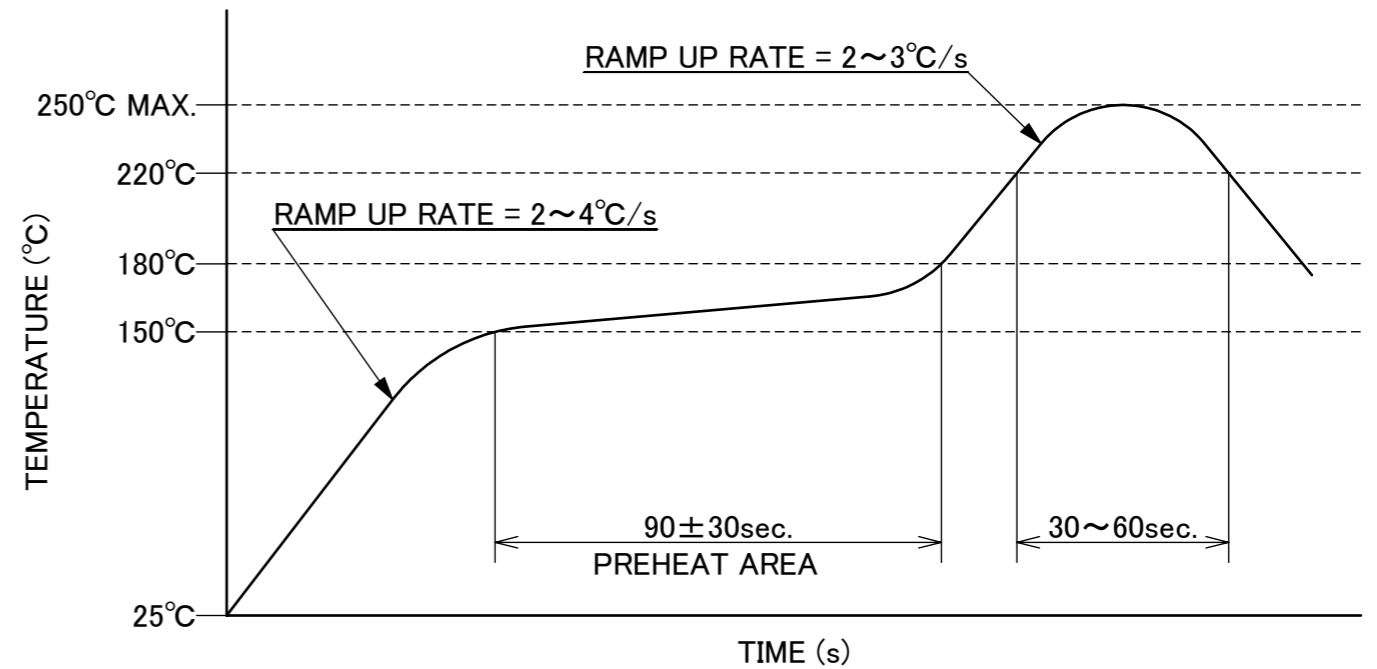


- NOTES
2.MATERIAL
COVER FILM : PI
CONDUCTOR : COPPER(RARE)
BASE FILM : PI
STIFFENER : PI
ADHESIVE : THERMOSETTING ADHESIVE
3.FINISH
Au OVER Ni PLATING.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R5	CUSTOMER COPY				
	6 MAX.	±0.2	30 OVER 120 MAX.					±0.5		
GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II	SCALE 10:1	I-PEX				
DWG.	DATE							UNIT mm		
CHK.								SIZE A3	SHEET 3/5	REV. 9
APP.								DWG. No. 20542		



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. R5	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 5-BFN II	SCALE 10:1			
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20542	SIZE A3	SHEET 4/5	REV. 9

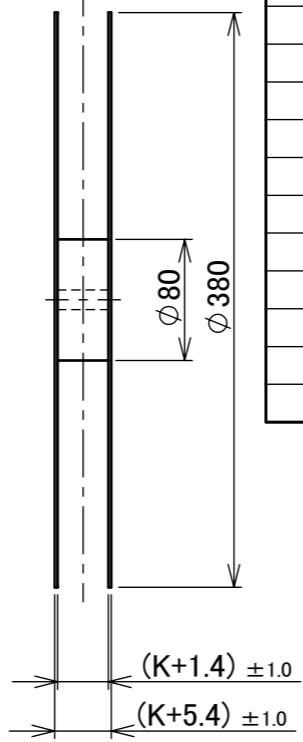
PART No.	K	L	M	N	P	Q	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20542-004E-01	12.0	9.5	5.5	4.0	2.5	2.0	5000 PIECES / REEL	8 REELS / CARTON (40000 PIECES / CARTON)
20542-006E-01				5.0	3.5	3.0		
20542-008E-01				6.0	4.5	4.0		
20542-010E-01	16.0	13.5	7.5	7.0	5.5	5.0	5000 PIECES / REEL	7 REELS / CARTON (35000 PIECES / CARTON)
20542-012E-01				8.0	6.5	6.0		
20542-014E-01				9.0	7.5	7.0		
20542-016E-01	24.0	21.5	11.5	10.0	8.5	8.0	5000 PIECES / REEL	5 REELS / CARTON (25000 PIECES / CARTON)
20542-018E-01				11.0	9.5	9.0		
20542-020E-01				12.0	10.5	10.0		
20542-022E-01				13.0	11.5	11.0		
20542-024E-01				14.0	12.5	12.0		
20542-026E-01				15.0	13.5	13.0		
20542-028E-01				16.0	14.5	14.0		
20542-030E-01				17.0	15.5	15.0		

⑧PACKING LABEL

FEED DIRECTION →

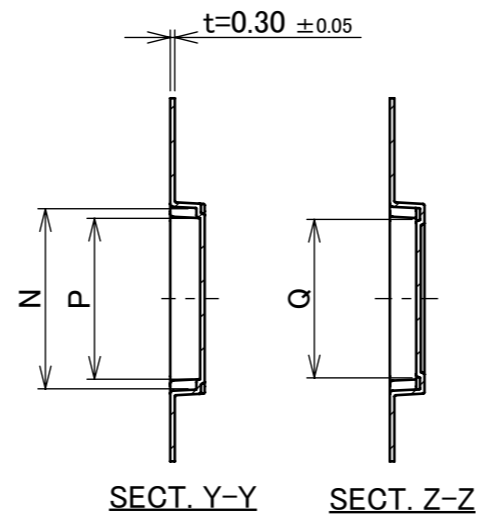
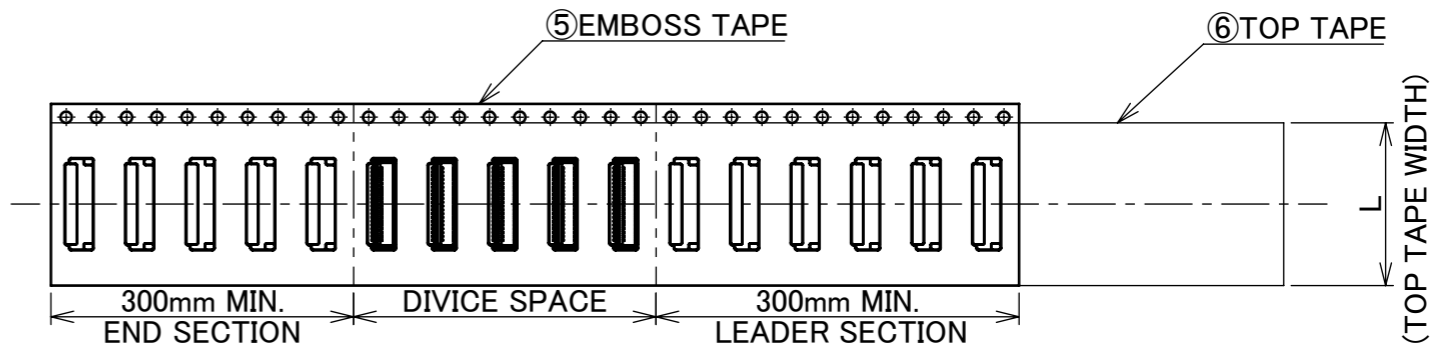
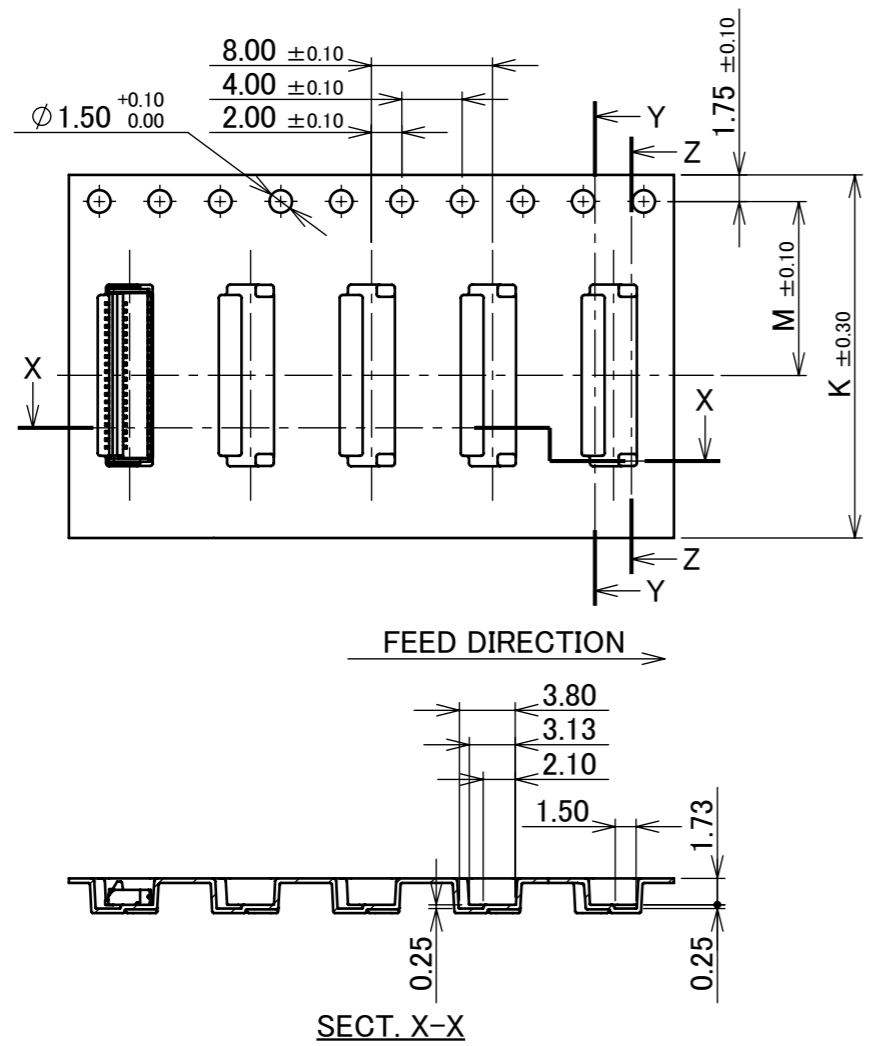
I-PEX LOGOMARK

⑦REEL



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.



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

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R5	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5			TITLE MINIFLEX® 5-BFN II	SCALE 1:X	I-PEX	
GENERAL TOLERANCE.				DWG. No.	20542	UNIT mm	SIZE A3		