

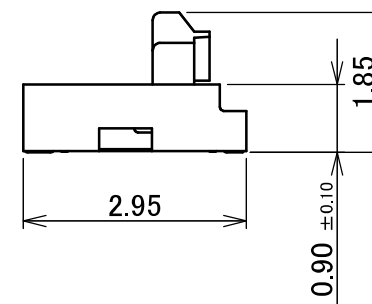
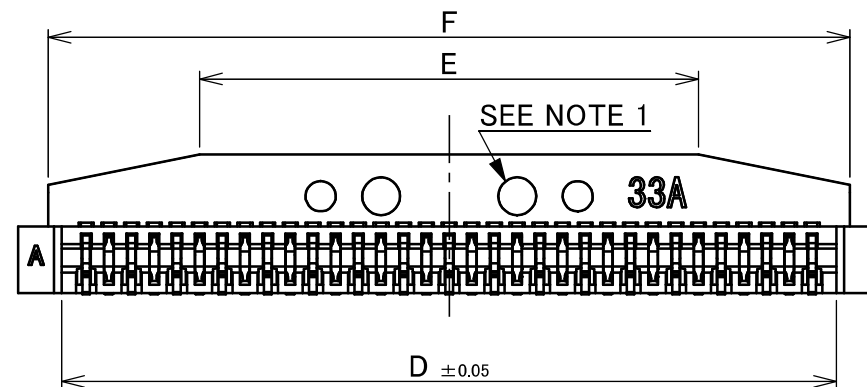
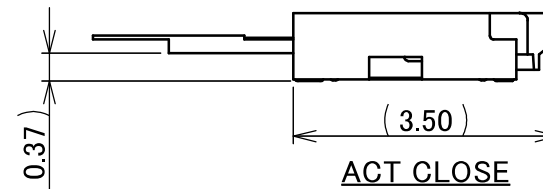
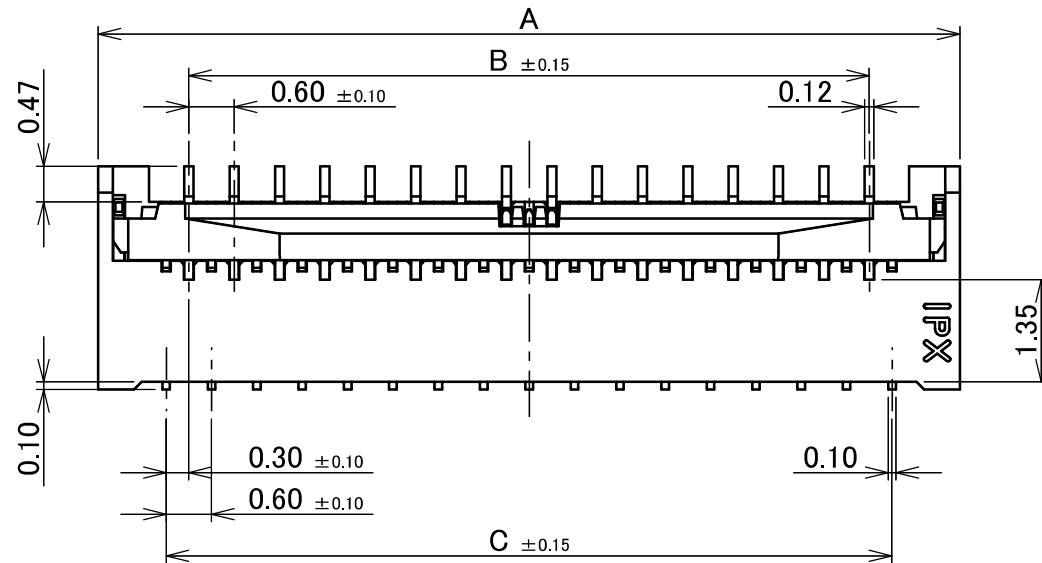


Halogen Free



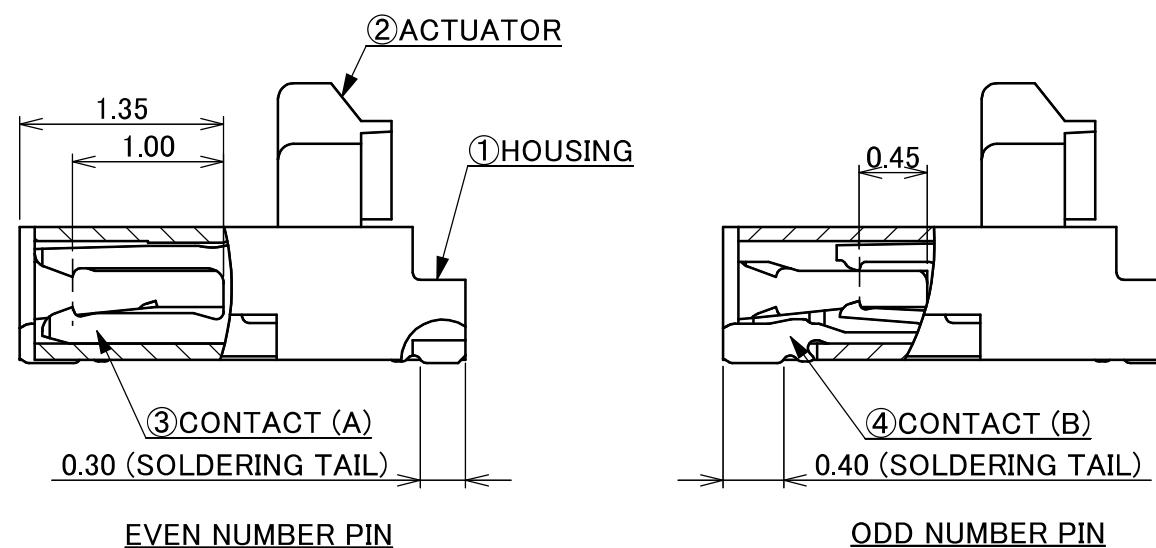
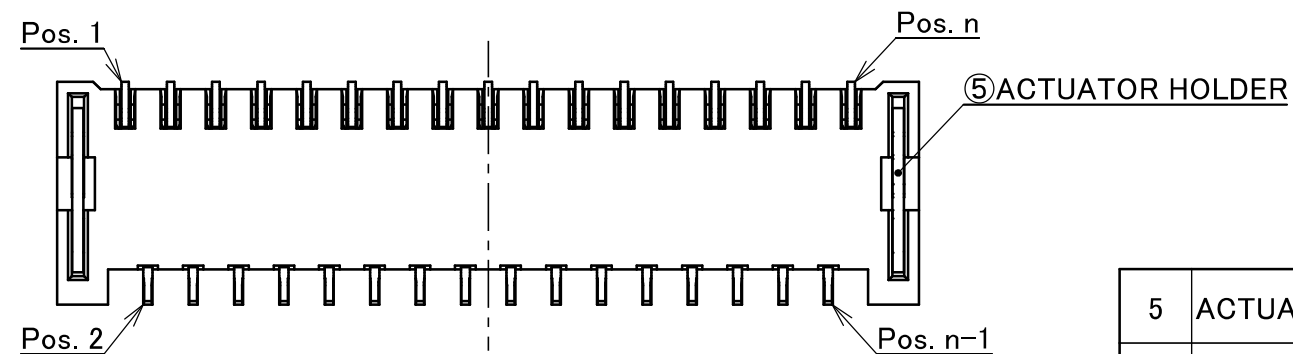
RoHS Compliant

PART No.	Pos.	A	B	C	D	E	F
20605-051E-02	51P	16.80	14.40	15.00	15.65	5.65	16.00
20605-061E-02	61P	19.80	17.40	18.00	18.65	8.65	19.00
20605-071E-02	71P	22.80	20.40	21.00	21.65	9.65	22.00



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



5	ACTUATOR HOLDER	NICKEL SILVER	
4	CONTACT(B)	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.
3	CONTACT(A)	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	REMARKS

13	ZC01026	M.M	2026/10/07	H.I	ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R4	CUSTOMER COPY		
12	Z240695	W.L	2024/06/14	M.T	6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
11	Z230318	K.W	2023/03/20	M.T	GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH L	SCALE 10:1	I-PEX		
10	Z191249	S.Sh	2019/09/18	H.I	DWG.	M.Muro	DATE	2014/01/23					
9	Z181441	M.M	2018/11/05	Y.S	CHK.	J.Tateishi							
8	Z180998	M.M	2018/08/21	Y.S	APP.	E.Kawabe							
REV.	ECN	BY	DATE	APP.	REVISION RECORD				DWG. No.	20605	SIZE A3	SHEET 1/5	REV. 13

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)
RATING AMPERAGE	0.3A DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233~358K(-40℃~+85℃)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : $\triangleleft$ 40mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL : 0.245N(24.5gf) × n MAX. / 20TH CYCLES : 0.245N(24.5gf) × n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL : 0.014N(1.4gf) × n MIN. / 20TH CYCLES : 0.014N(1.4gf) × n MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL : 0.13N(13gf) × n MIN. / AFTER TEST : 0.10N(10gf) × n MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1920
TEST REPORT	TR-14022
PACKING STANDARD	PST-14013
INSTRUCTION MANUAL	HIM-14004
APPEARANCE CRITERIA	QLS-A***

※ “n” IS THE NUMBER OF PIN

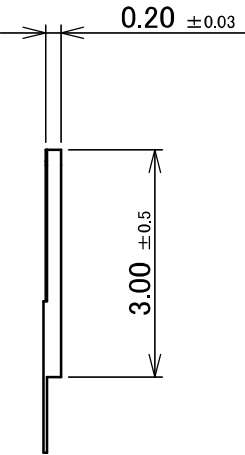
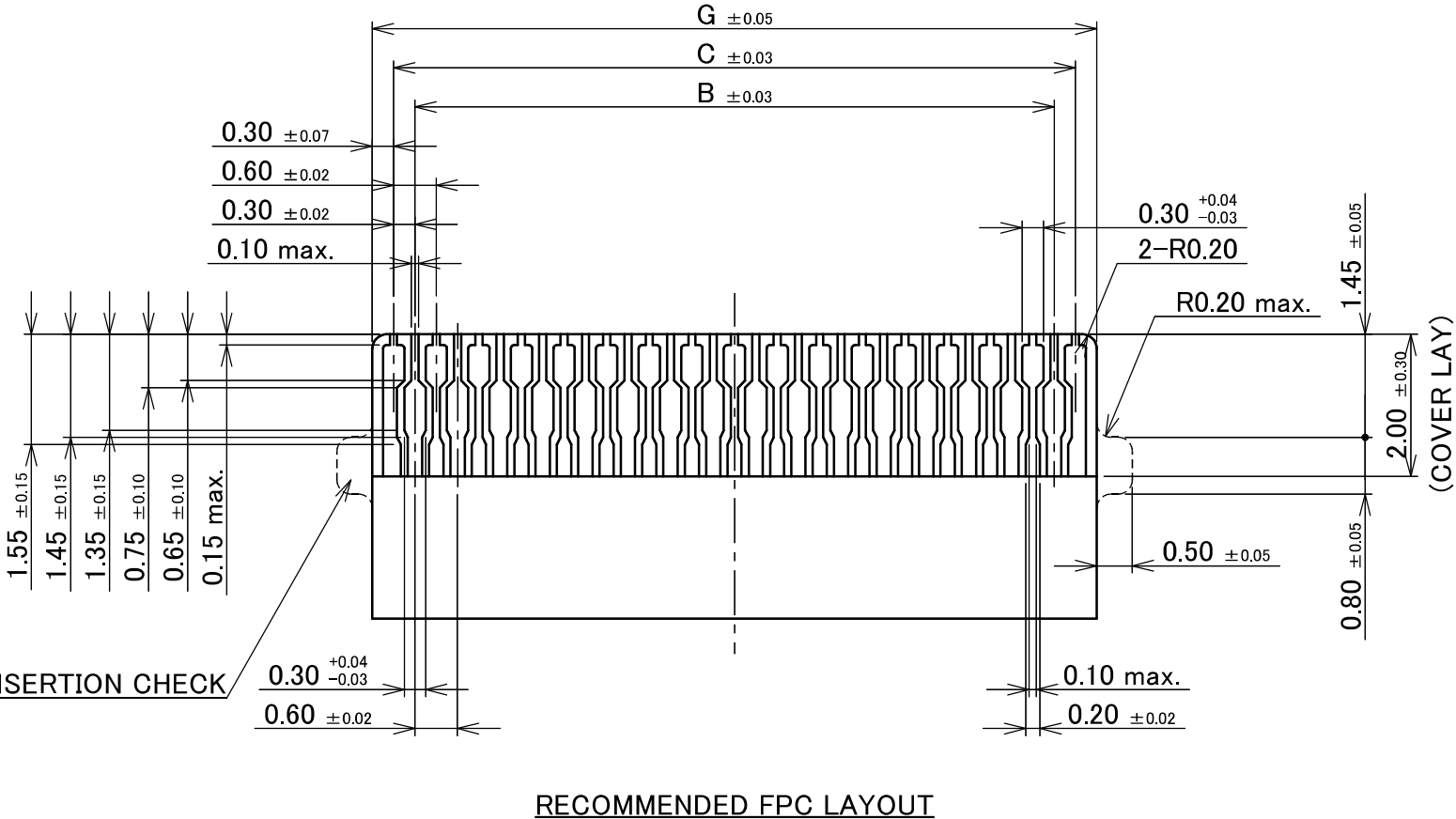
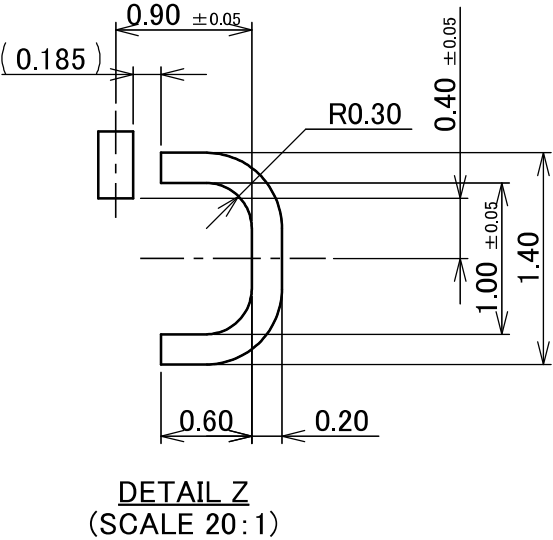
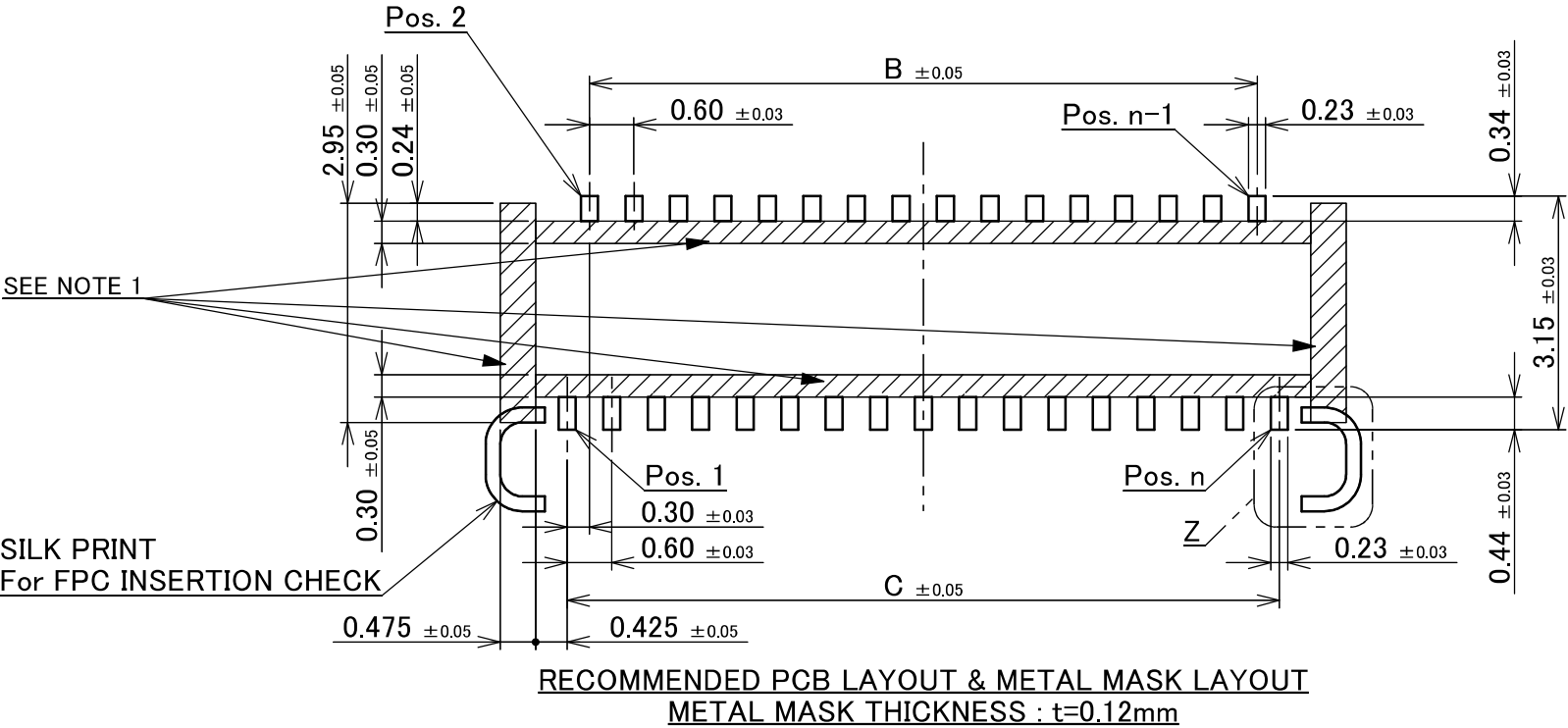


CAUTION

PLEASE BE SURE TO READ AND UNDERSTAND “INSTRUCTION MANUAL” BEFORE YOU USE OUR PRODUCTS.

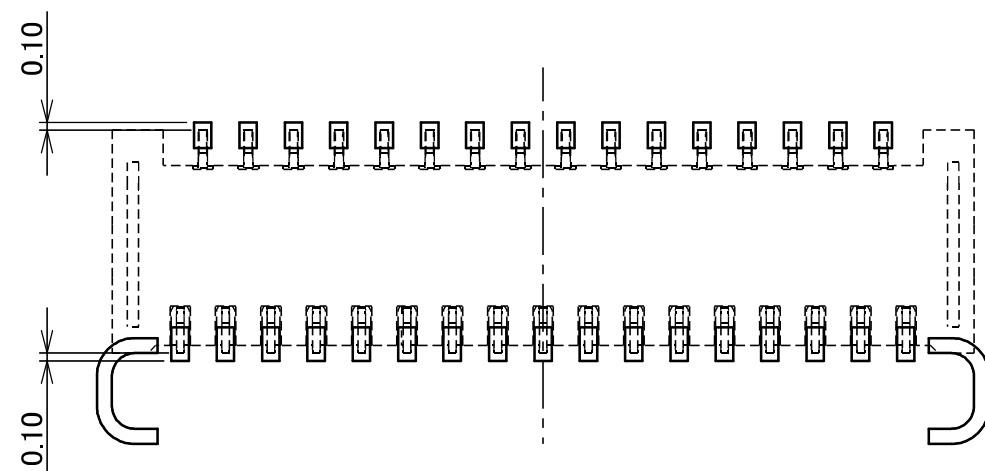
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6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH L		SCALE		
DWG.	DATE					—		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20605		SIZE A3	SHEET 2/5	REV. 13

PART No.	Pos.	B	C	G
20605-051E-02	51P	14.40	15.00	15.60
20605-061E-02	61P	17.40	18.00	18.60
20605-071E-02	71P	20.40	21.00	21.60

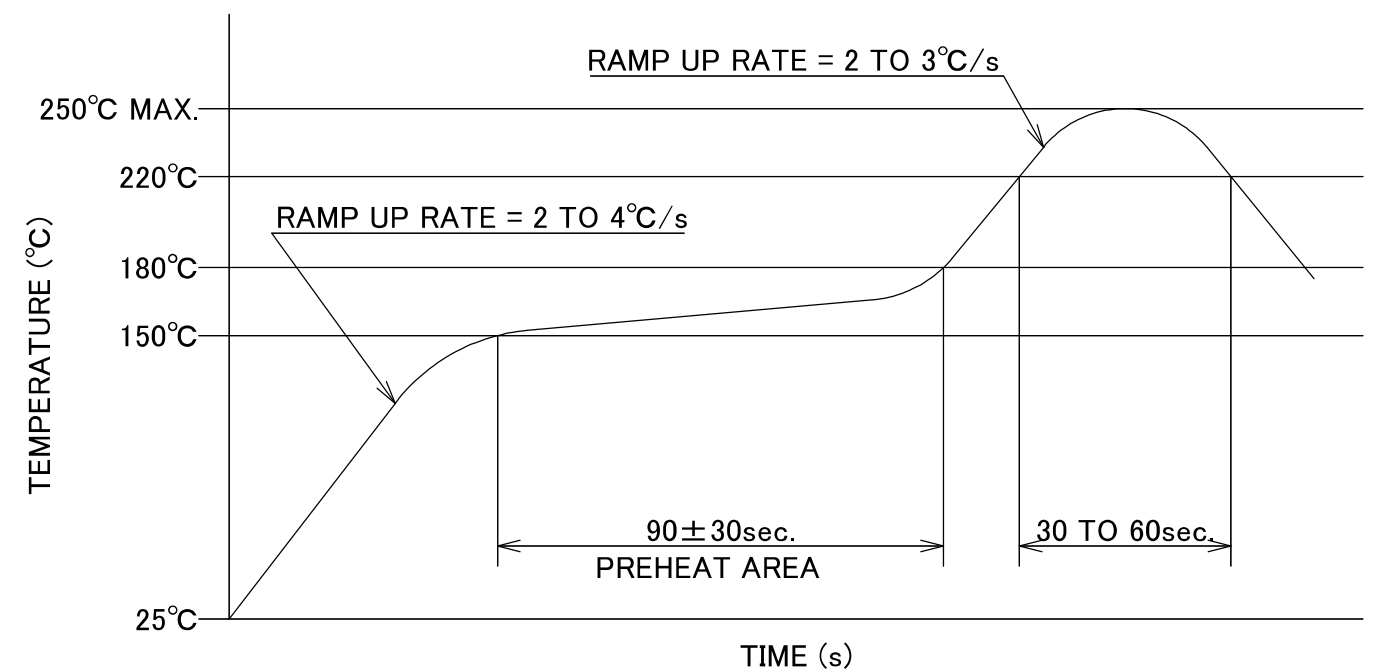


NOTE
1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

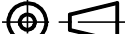
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6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R4			
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH L		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20605	SIZE	SHEET	REV.
						A3	3/5	13



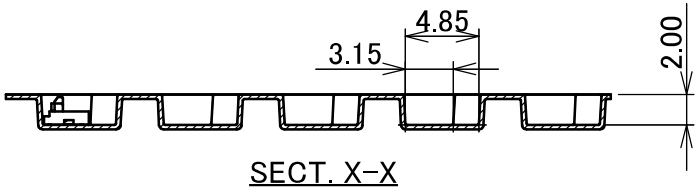
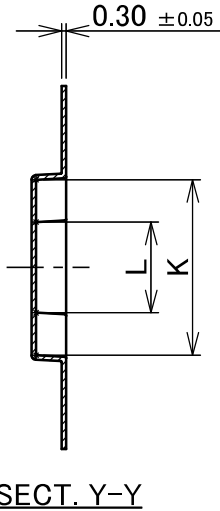
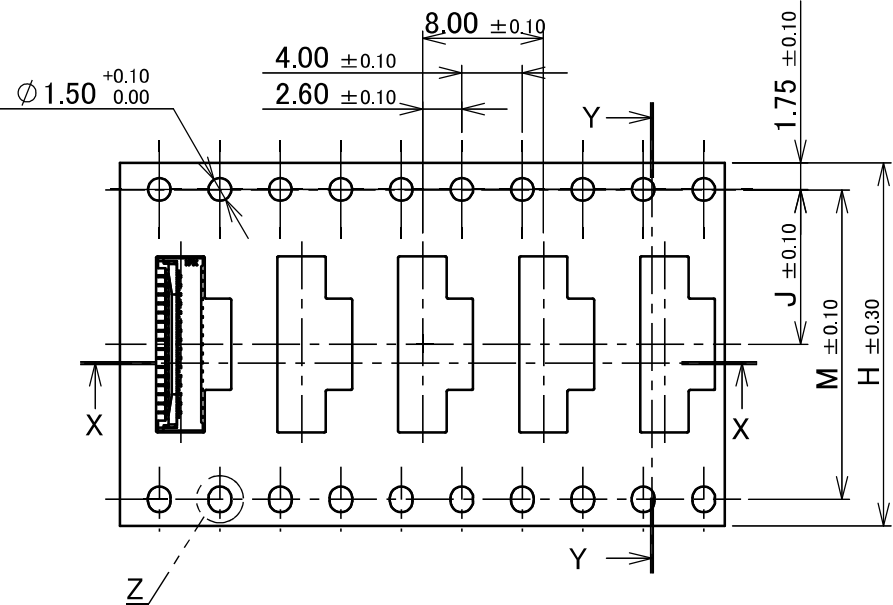
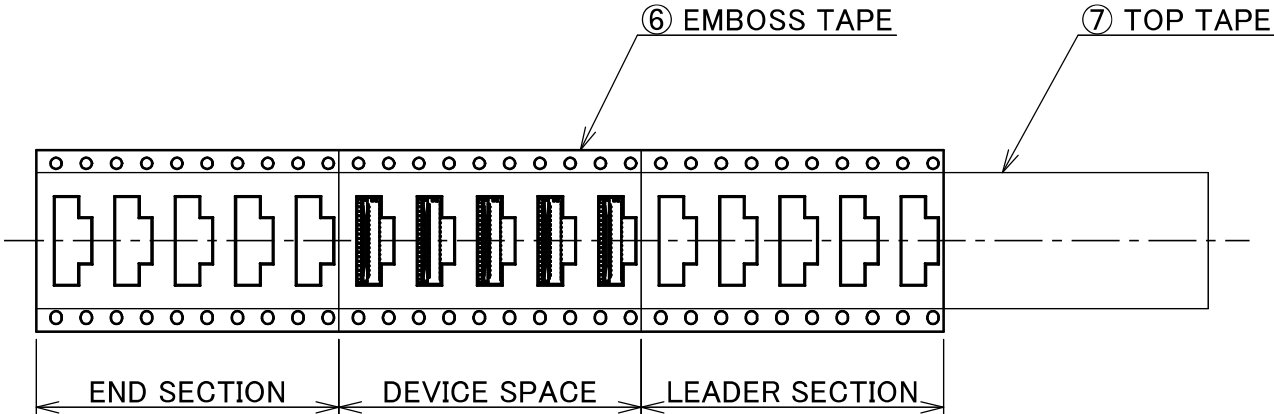
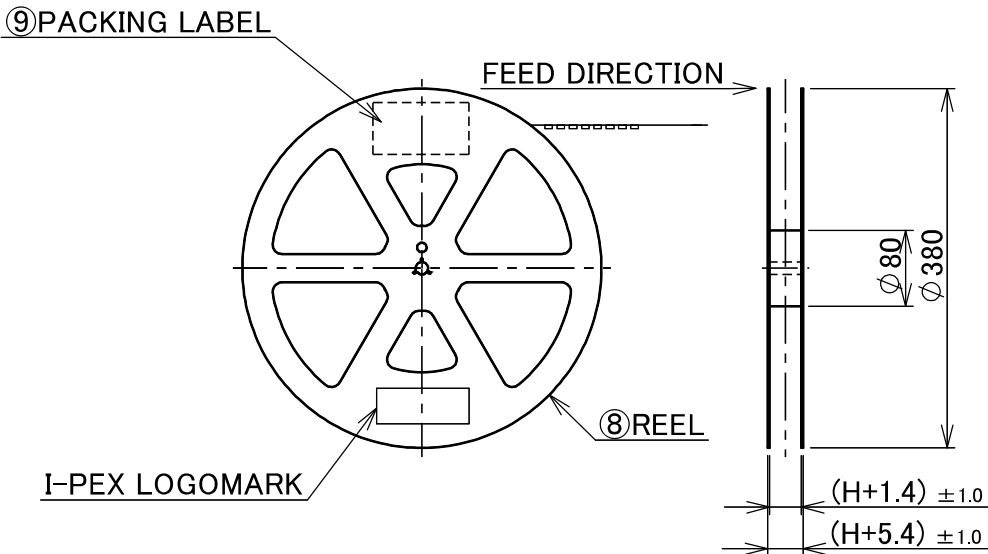
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH L	SCALE	I-PEX		
DWG.		DATE	10:1					
CHK.			UNIT					
			mm					
APP.				DWG. No.	SIZE	SHEET	REV.	
				20605	A3	4/5	13	

PART No.	H	J	K	L	M	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20605-051E-02	32.00	14.20	17.00	8.00	28.40	4000 PIECES / REEL	4 REELS / CARTON (16000 PIECES / CARTON)
20605-061E-02	32.00	14.20	20.00	10.00	28.40	4000 PIECES / REEL	
20605-071E-02	44.00	20.20	23.00	10.00	40.40	4000 PIECES / REEL	3 REELS / CARTON (12000 PIECES / CARTON)



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

9	PACKING LABEL	-	-
8	REEL	PS	BLACK
7	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC 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. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH L		SCALE	I-PEX	
DWG.	DATE					X:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20605	SIZE	SHEET	REV.
						A3	5/5	13