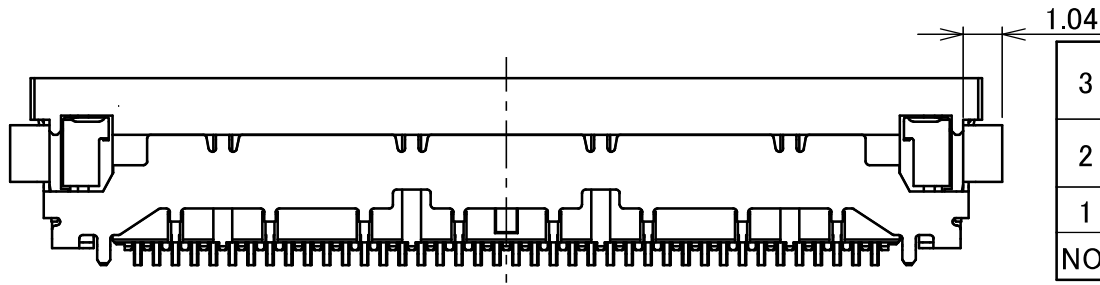
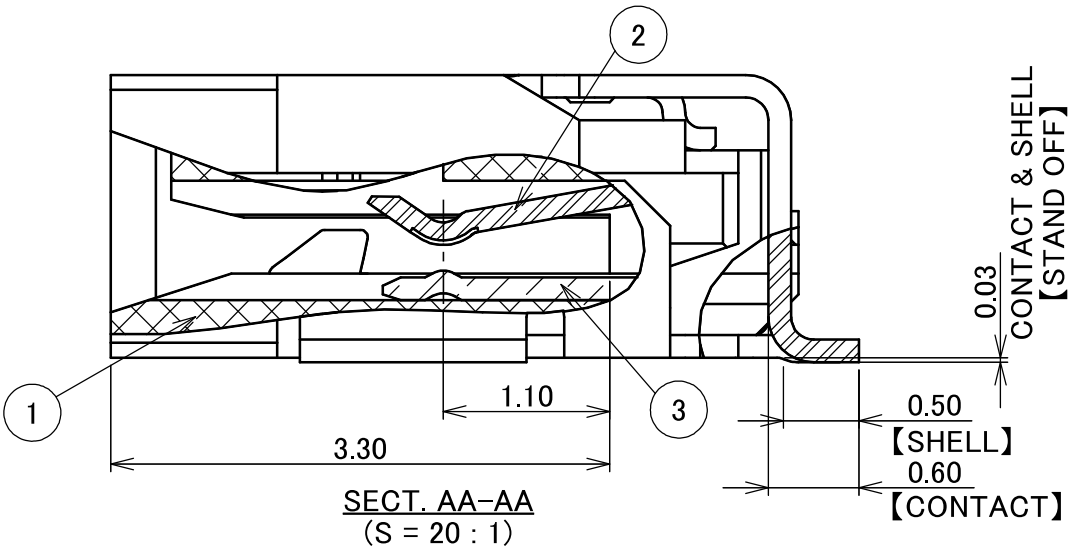
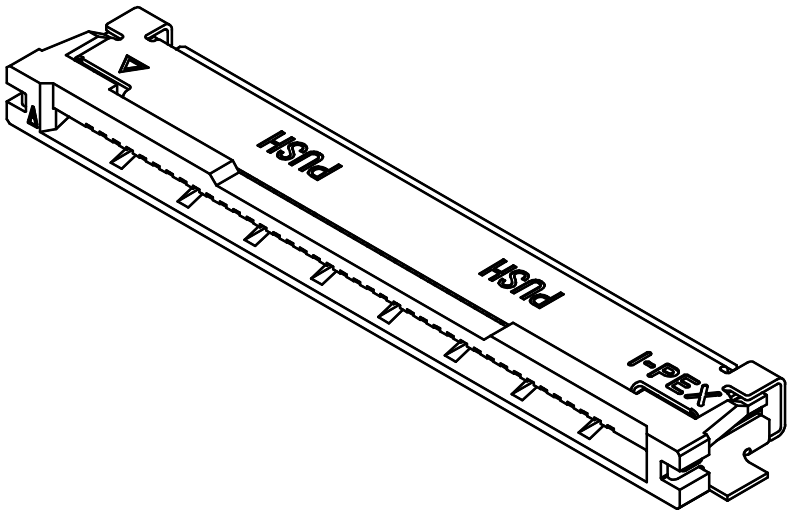
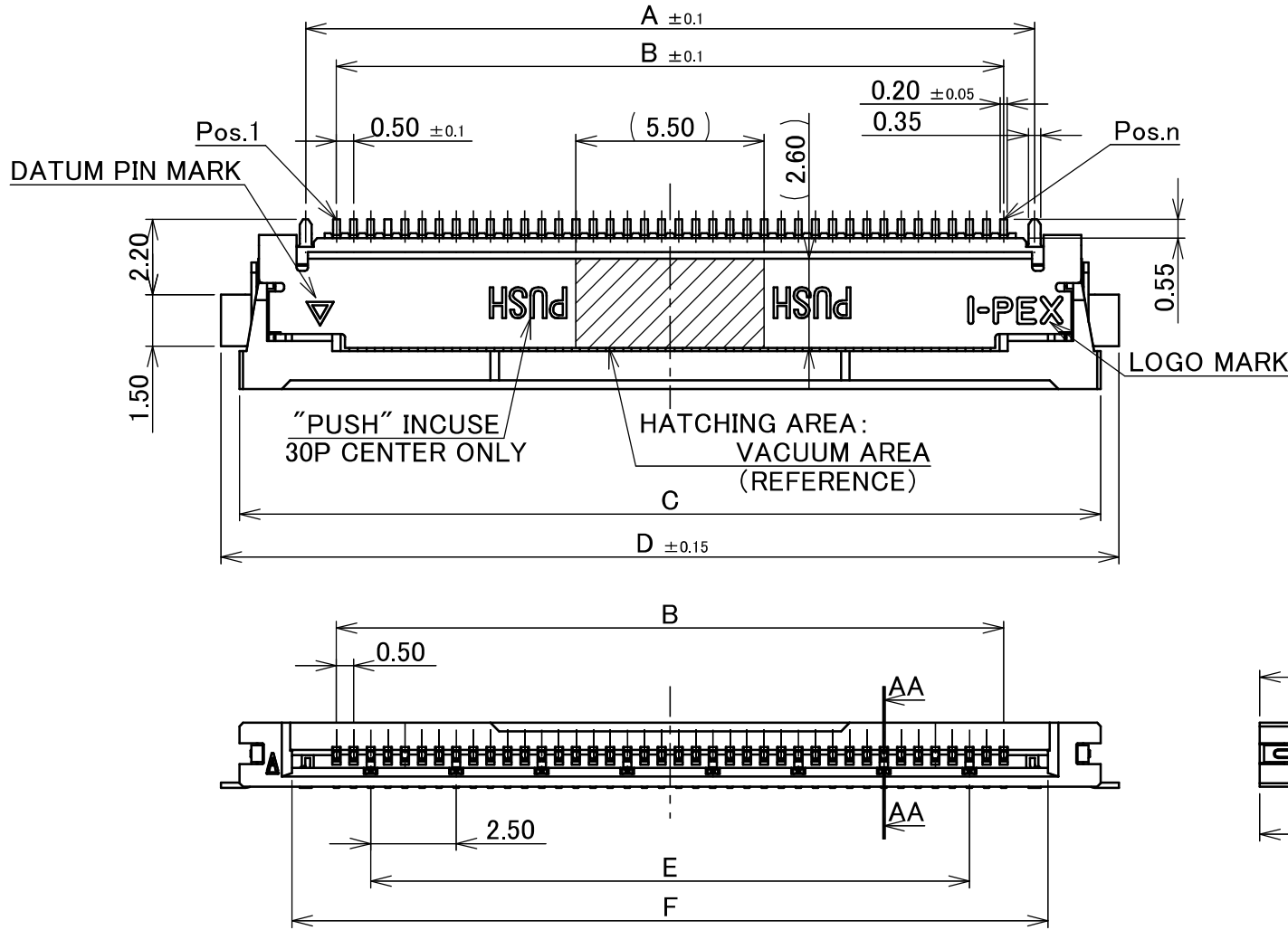
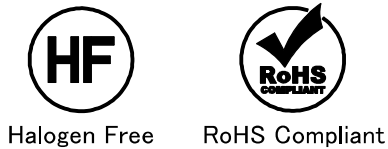


Recommended P/N20893-0**E-02-P

PART NO.	POS.	A	B	C	D	E	F
20893-030E-02-*	30P	16.30	14.50	20.17	21.25	12.50	17.10
20893-040E-02-*	40P	21.30	19.50	25.17	26.25	17.50	22.10
20893-050E-02-*	50P	26.30	24.50	30.17	31.25	22.50	27.10

P/N: 20893-0**E-02-*

NOTHING: ORIGINAL
P : PFAS FREE
Pos.



3	SHELL	PHOSPHOR BRONZE	SOLDERING AREA: Sn 3.00 μ m MIN. OVER Ni 1.00 μ m MIN. OTHER AREA: Sn 1.00 μ m MIN. OVER Ni 1.00 μ m MIN.
2	CONTACT	CORSON ALLOY	CONTACT AREA: Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING AREA: Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

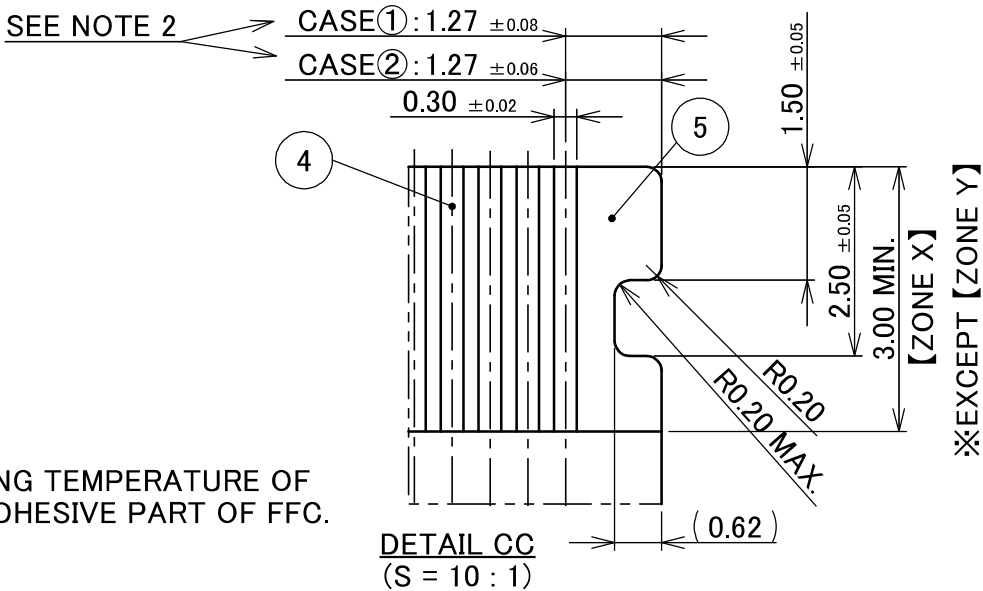
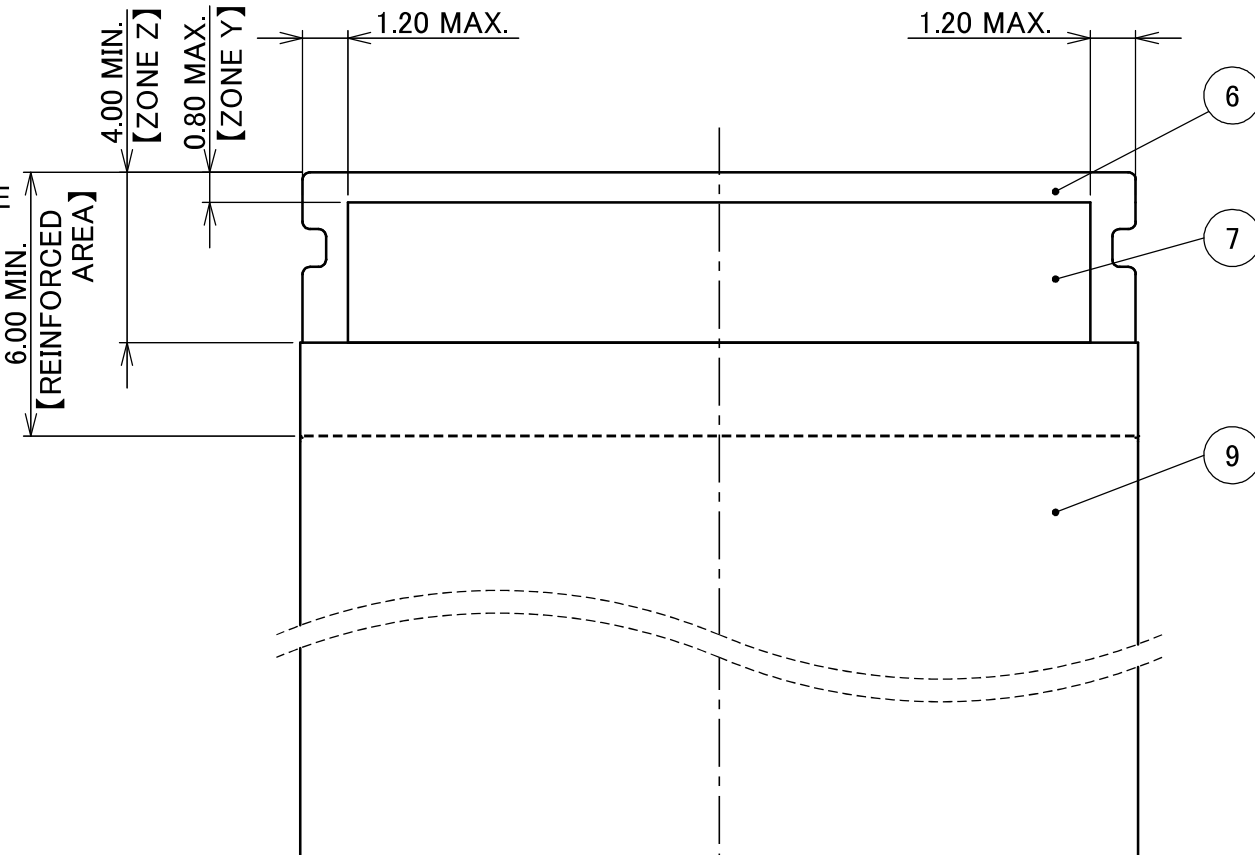
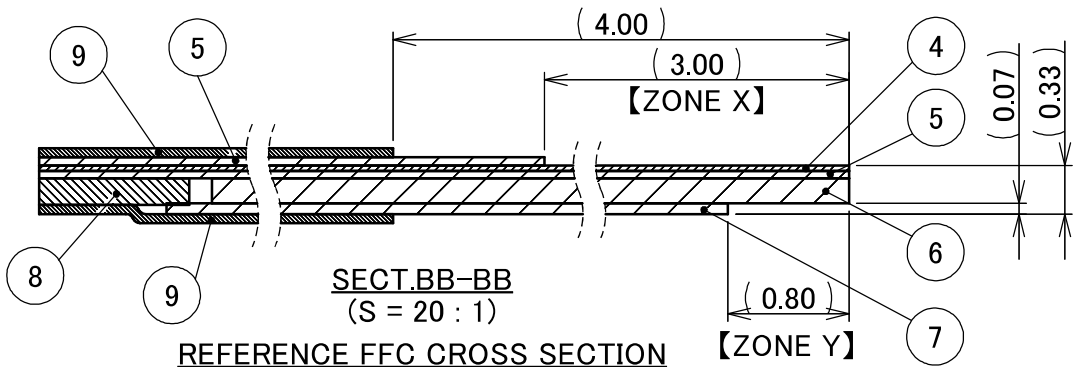
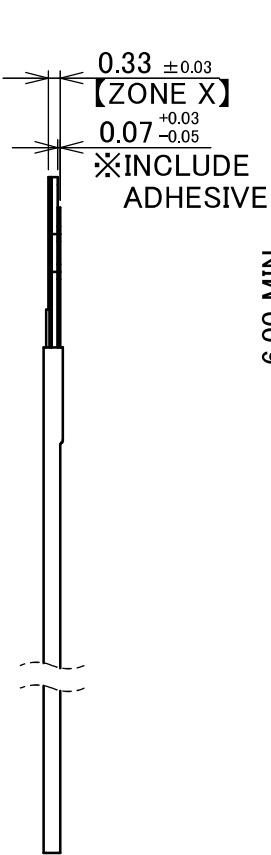
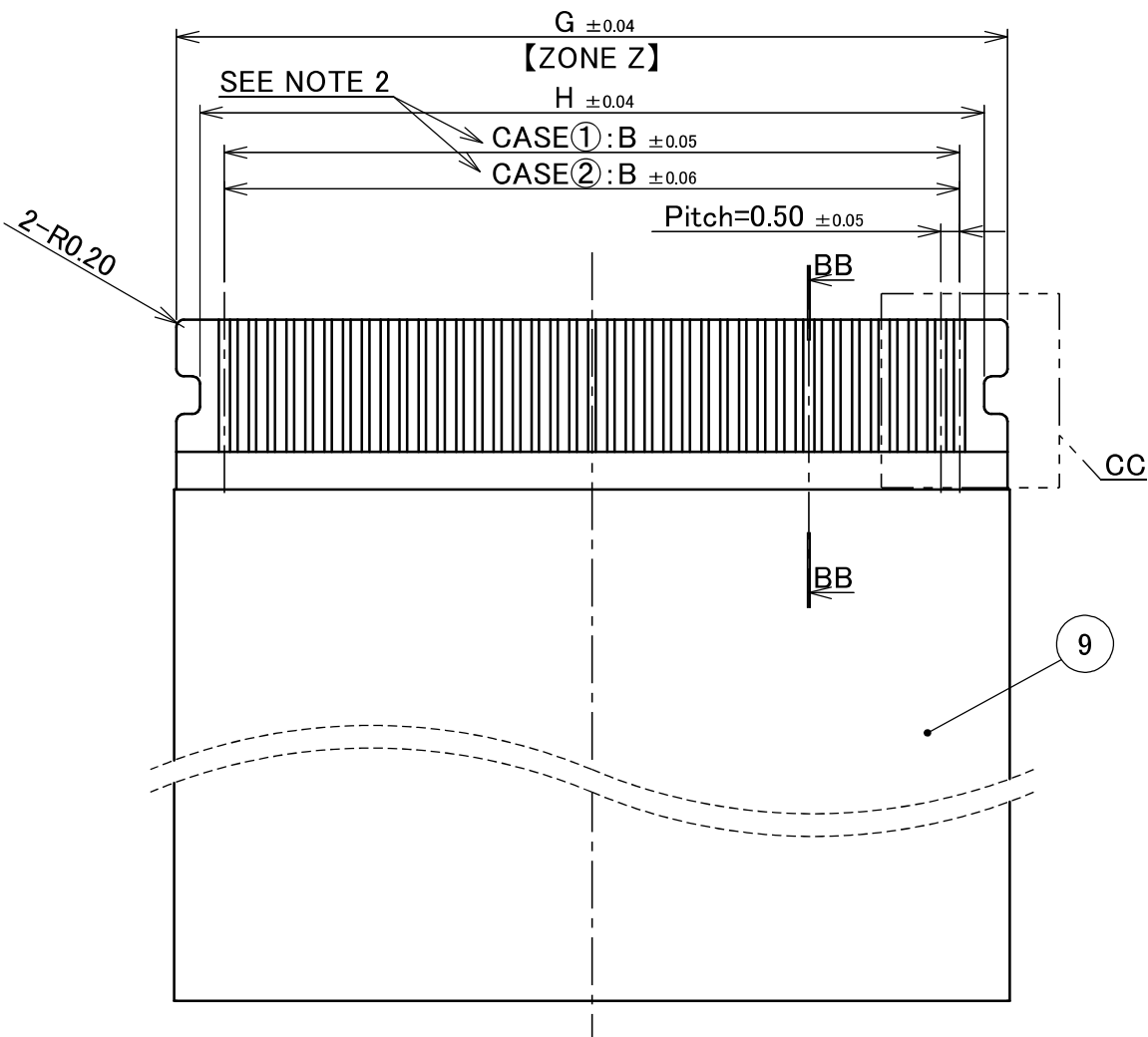
4	ZC00180	Mino	Oct./17/'25	T.M	ANGLE ±2° 6 OVER 30 MAX. ±0.3 6 MAX. ±0.2 30 OVER 120 MAX. ±0.5	PROJECTION R0	SERIES No. R0	CUSTOMER COPY		
3	Z230333	K.W	Mar./23/'23	M.T	GENERAL TOLERANCE.		TITLE EVAFLEX® 5-VS TYPE R	SCALE 5:1	I-PEX	
2	Z220271	K.H	Mar./10/'22	H.I	DWG. T.Tanigawa	DATE 2018/10/25		UNIT mm		
1	Z210974	K.H	Aug./23/'21	H.I	CHK. -			SIZE A3		
0	Z181384	T.T	Oct./25/'18	-	APP. Y.Shimada			SHEET 1/5		
REV.	ECN	BY	DATE	APP.	REVISION RECORD		DWG. No. 20893	REV. 4		

ITEMS	SPECIFICATION
RATING VOLTAGE	200V AC/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.3A AC/DC (PER CONTACT PIN) IN CASE OF APPLYING 0.5A PER CONTACT PIN, THE TOTAL CURRENT OF THE WHOLE CONNECTOR SHALL BE 15.0A OR LOWER.
OPERATING TEMPERATURE	233~378K(−40℃~+105℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 18.0N MAX. 40P : 24.0N MAX. 50P : 30.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 3.0N MIN. 40P : 4.0N MIN. 50P : 5.0N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2527
TEST REPORT	TR-18083 (P/N: 20893-0**E-02) TR-25065 (P/N: 20893-0**E-02-P)
PACKING STANDARD	300-997
INSTRUCTION MANUAL	HIM-12003
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R0	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-VS TYPE R		SCALE UNIT mm	I-PEX	
DWG.	DATE							
CHK.								
APP.								
				DWG. No. 20893		SIZE A3	SHEET 2/5	REV. 4

FOR	POS.	B	G	H
20893-030E-02-*	30P	14.50	17.04	15.80
20893-040E-02-*	40P	19.50	22.04	20.80
20893-050E-02-*	50P	24.50	27.04	25.80

RECOMMENDED FFC DIMENSION



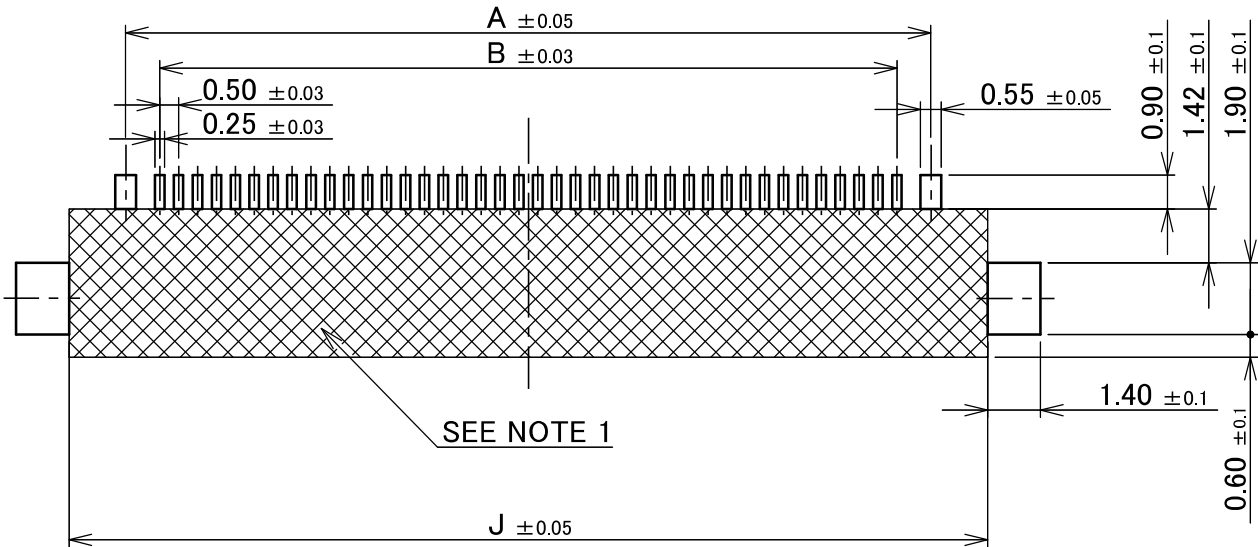
9	SHIELD TAPE	METALIC FILM	-
8	INTERLAYER	ARBITRARY	-
7	GROUND PLATE	METARIC FILM	POLISH or HALF POLISH Sn PLATING
6	REINFORCED TAPE	ARBITRARY	-
5	INSULATION FILM	ARBITRARY	-
4	CONDUCTOR	COPPER ALLOY	CONTACT AREA: Au 0.05 μ m MIN. OVER Ni 0.5 μ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

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		R0			
GENERAL TOLERANCE.				TITLE	SCALE		I-PEX	
DWG.	DATE			EVAFLEX® 5-VS TYPE R	5:1			
CHK.					UNIT			
APP.					mm			
				DWG. No.	20893	SIZE	SHEET	REV.
						A3	3/5	4

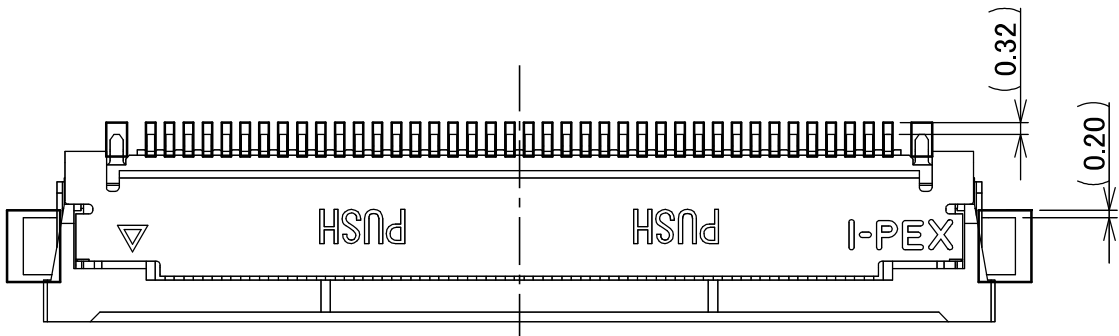
NOTES
1.DIFFERENTIAL IMPEDAMCE : 100 Ω
2.MANUFACTURE CASE① or CASE②
3. SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

Recommended P/N	20893-0**E-02-P			
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PART NO.	POS.	A	B	J
20893-030E-02-*	30P	16.30	14.50	19.30
20893-040E-02-*	40P	21.30	19.50	24.30
20893-050E-02-*	50P	26.30	24.50	29.30

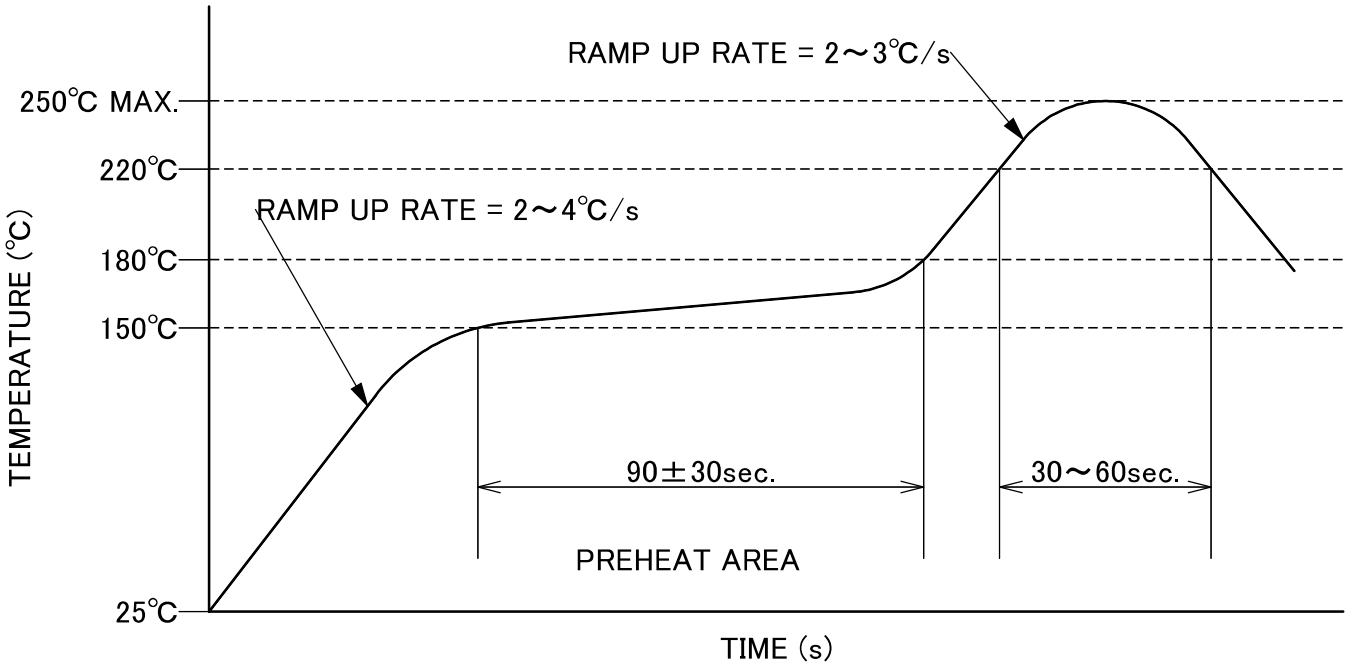


RECOMMENDED PCB & METALMASK LAYOUT
METALMASK THICKNESS:t=0.12



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

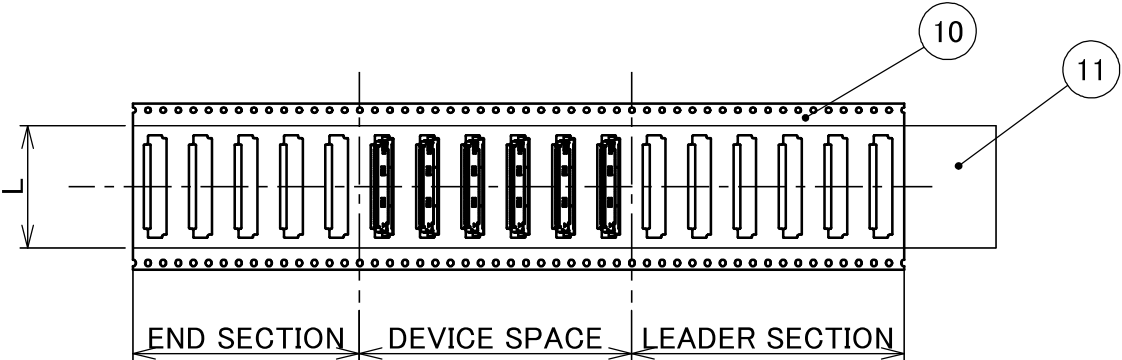
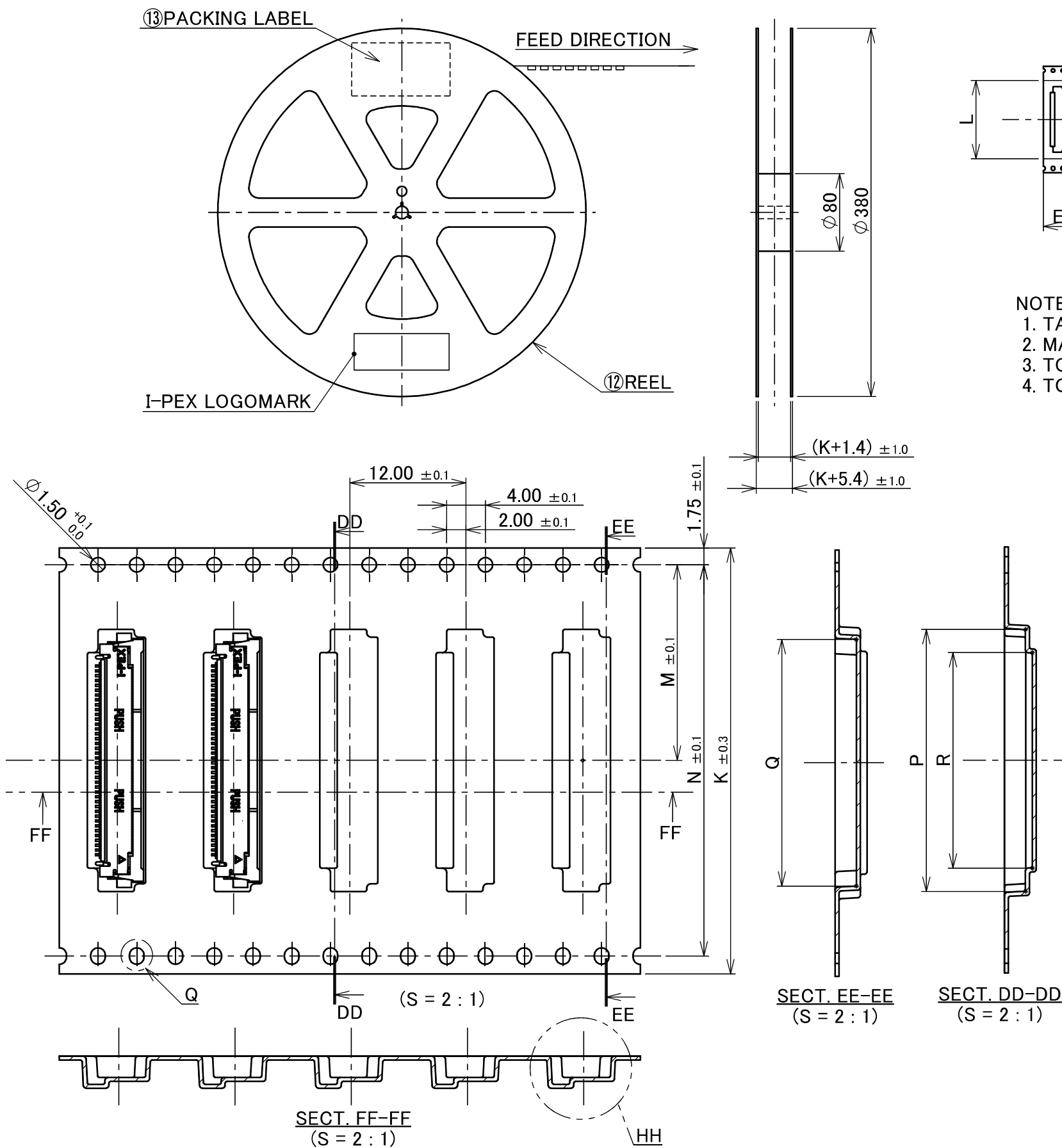
NOTE
1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.



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. R0	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-VS TYPE R		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20893	SIZE	SHEET	REV.
						A3	4/5	4

PART NO.	K	L	M	N	P	Q	R	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20893-030E-02-*	32.00	25.50	14.20	28.40	22.05	20.47	17.25	2300 PIECES / REEL	4REELS / CARTON = 9200 PIECES / CARTON
20893-040E-02-*	44.00	32.30	20.20	40.40	27.05	25.47	22.25		3REELS / CARTON = 6900 PIECES / CARTON
20893-050E-02-*		37.40			32.05	30.47	27.25		



- 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.

13	PACKING LABEL	-	-
12	REEL	PS	BLACK
11	TOP TAPE	TRANSPARENCY	ANTI-STATIC TYPE
10	EMBOSS TAPE	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		R0			
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-VS TYPE R		SCALE		
DWG.	DATE					1:X		
CHK.						UNIT		
APP.				DWG. No.	20893	SIZE	SHEET	REV.
						A3	5/5	4