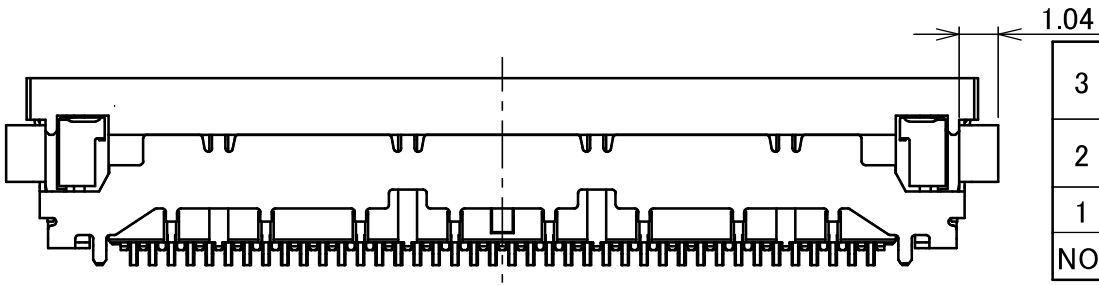
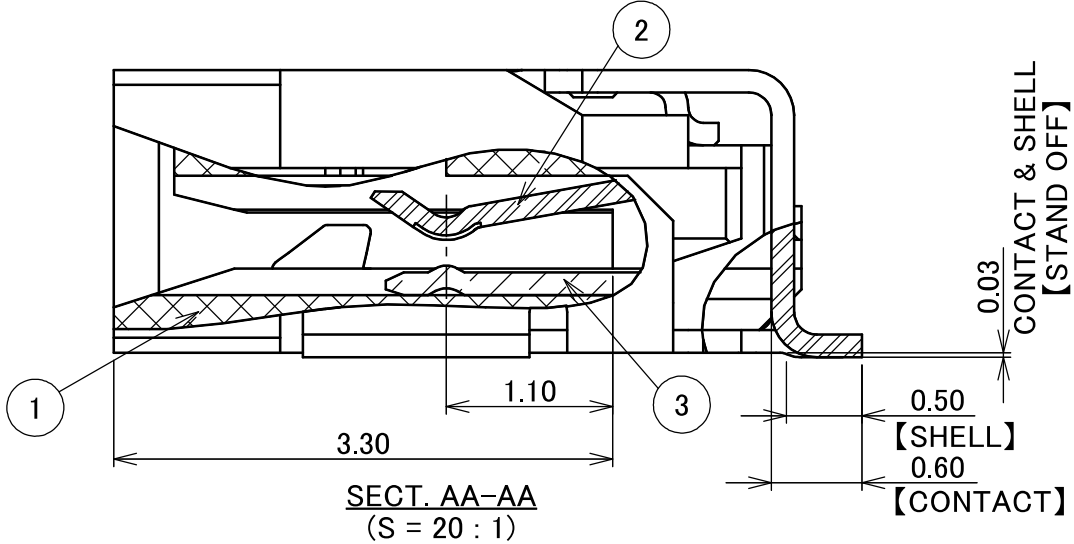
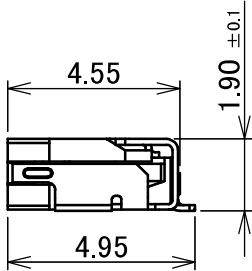
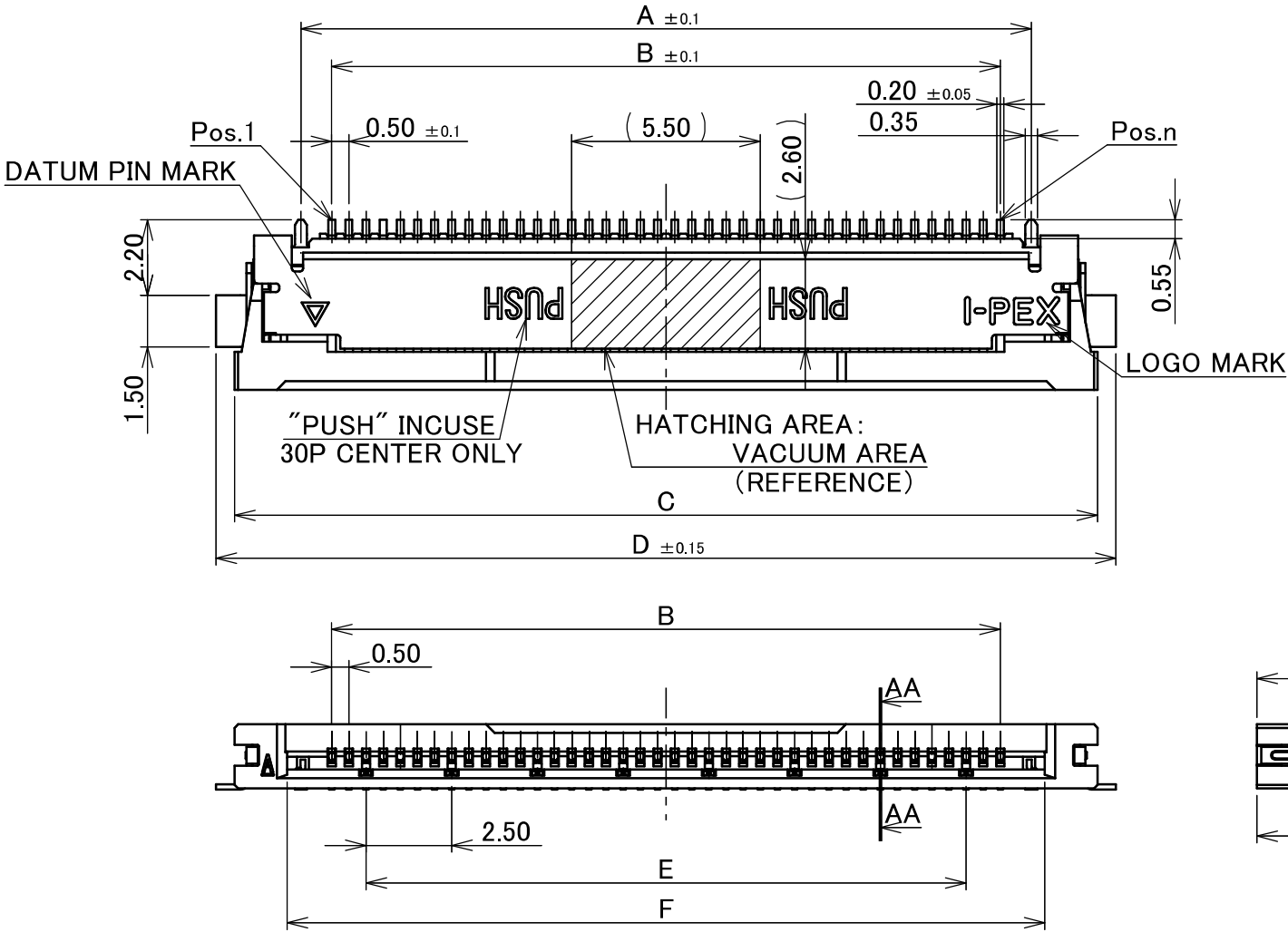
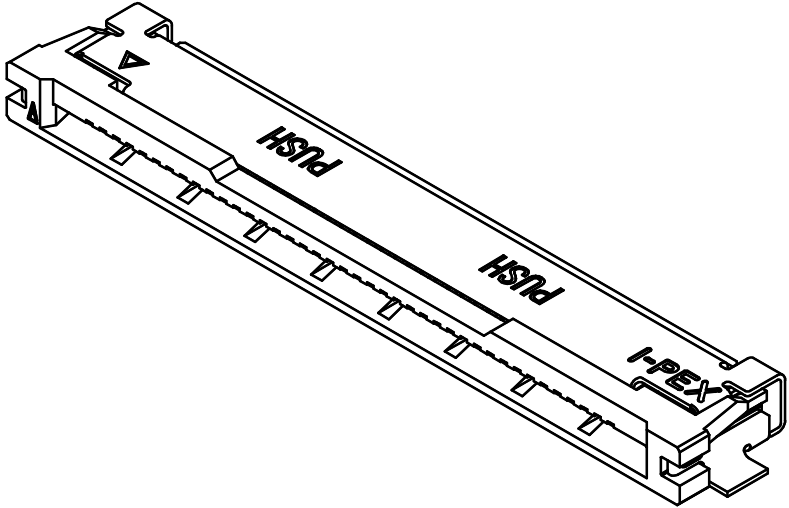
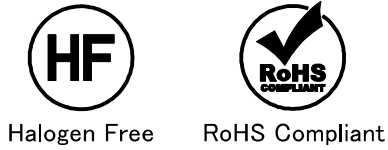


PART NO.	POS.	A	B	C	D	E	F
20893-030E-02	30P	16.30	14.50	20.17	21.25	12.50	17.10
20893-040E-02	40P	21.30	19.50	25.17	26.25	17.50	22.10
20893-050E-02	50P	26.30	24.50	30.17	31.25	22.50	27.10

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

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

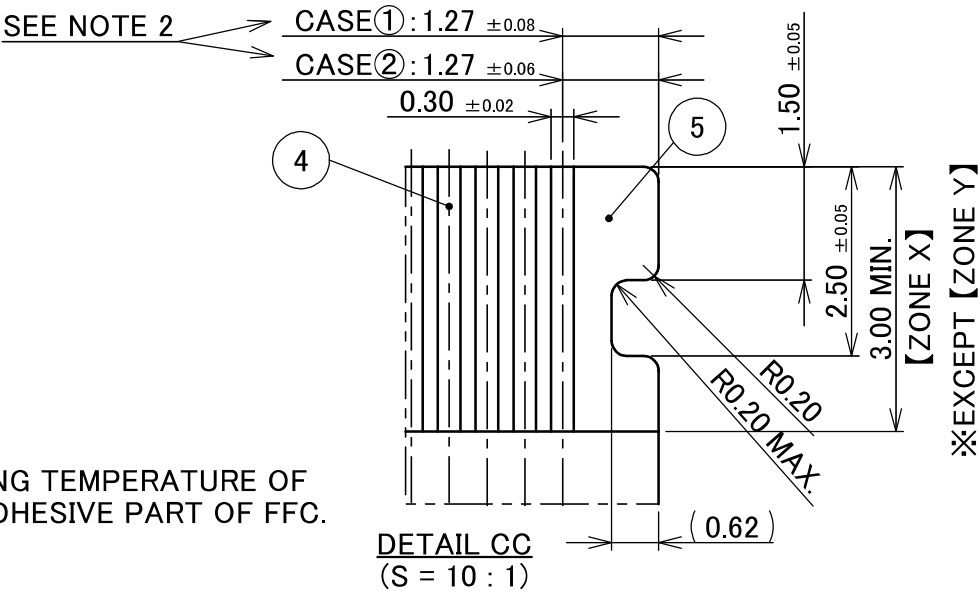
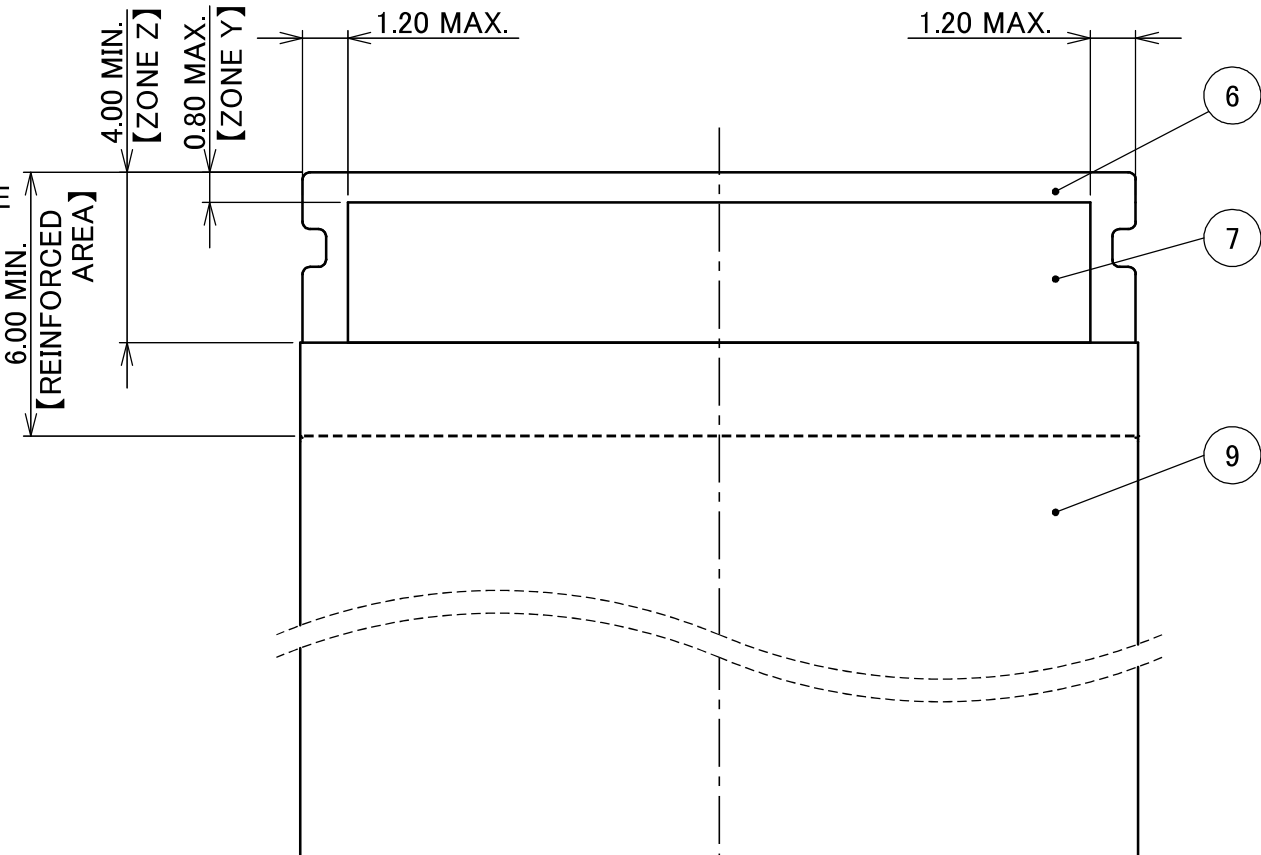
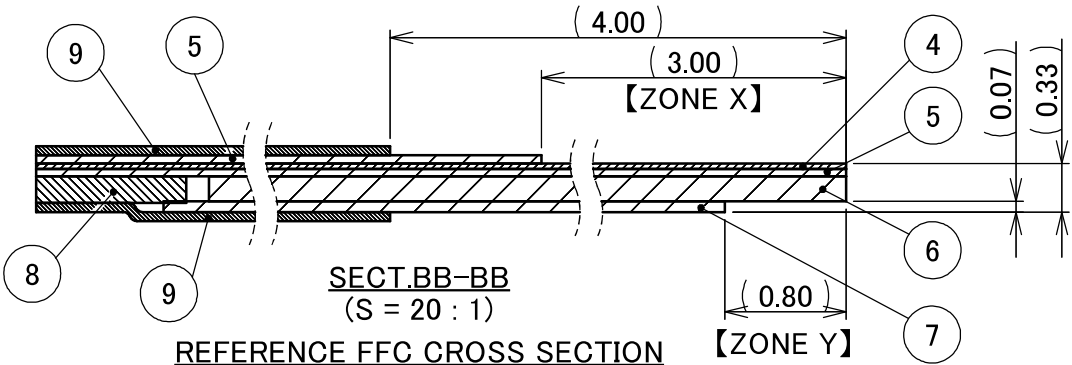
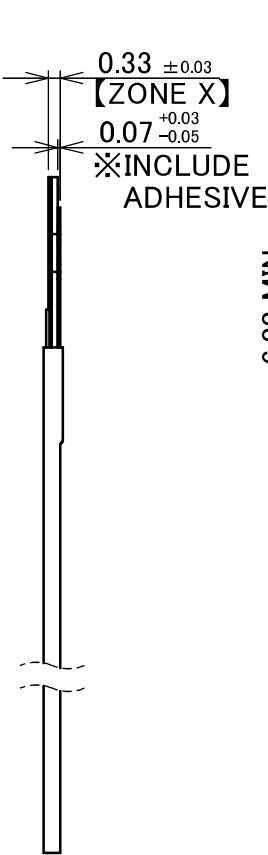
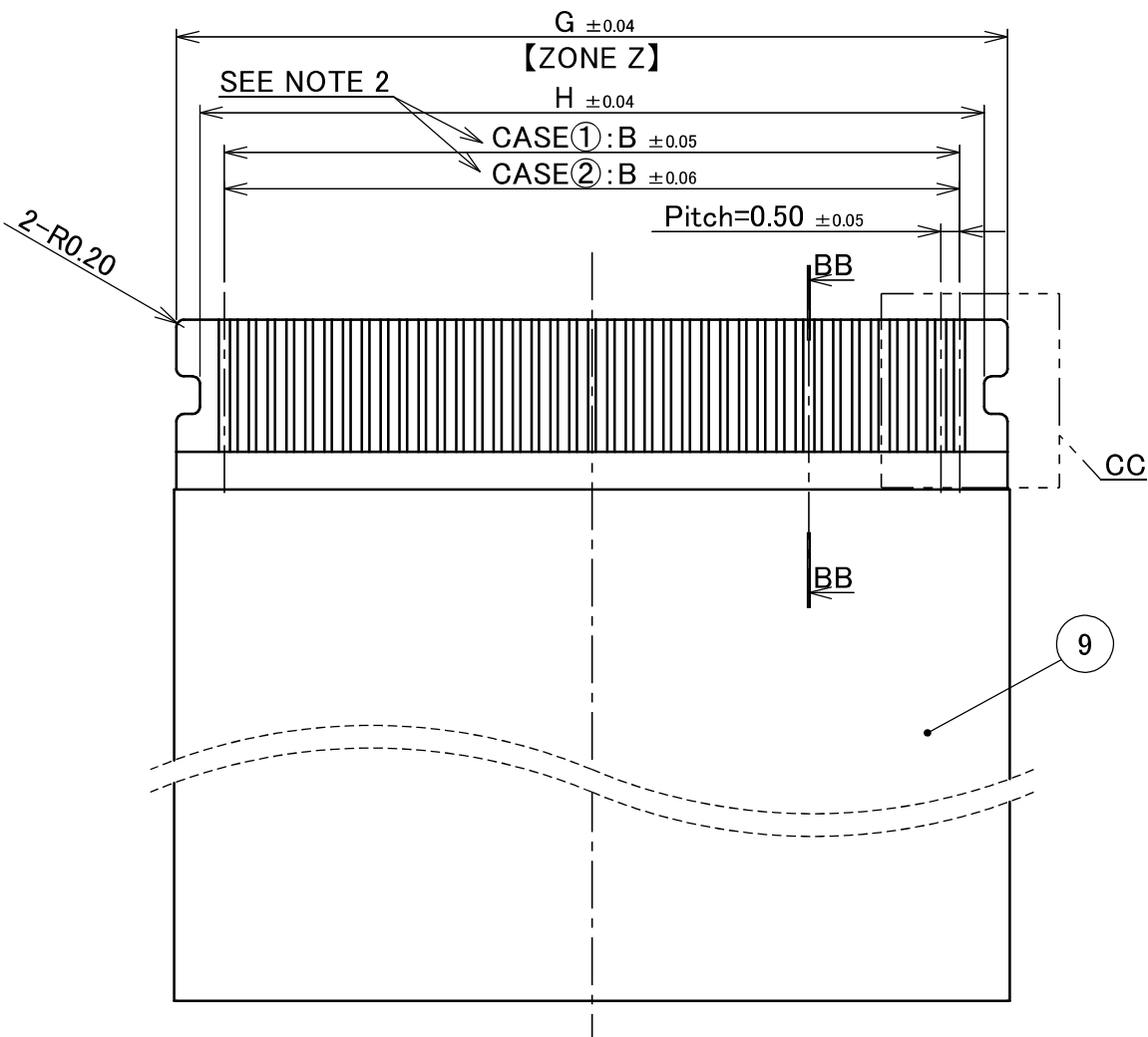
5	ZC00296	Mino	Nov./27/'25	T.M	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY		
4	ZC00180	Mino	Oct./17/'25	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R0			
3	Z230333	K.W	Mar./23/'23	M.T	GENERAL TOLERANCE.				TITLE EVAFLEX® 5-VS TYPE R		SCALE	I-PEX	
2	Z220271	K.H	Mar./10/'22	H.I	DWG.	DATE		5:1					
1	Z210974	K.H	Aug./23/'21	H.I	T.Tanigawa		2018/10/25	UNIT					
0	Z181384	T.T	Oct./25/'18	—	CHK.	—		mm					
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.	20893	SIZE	SHEET	REV.
REVISION RECORD					Y.Shimada						A3	1/5	5

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°C~+105°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : $\angle$ 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
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	I-PEX	
DWG.	DATE					UNIT		
CHK.						mm		
APP.						SIZE		
				DWG. No. 20893	A3	2/5	5	

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

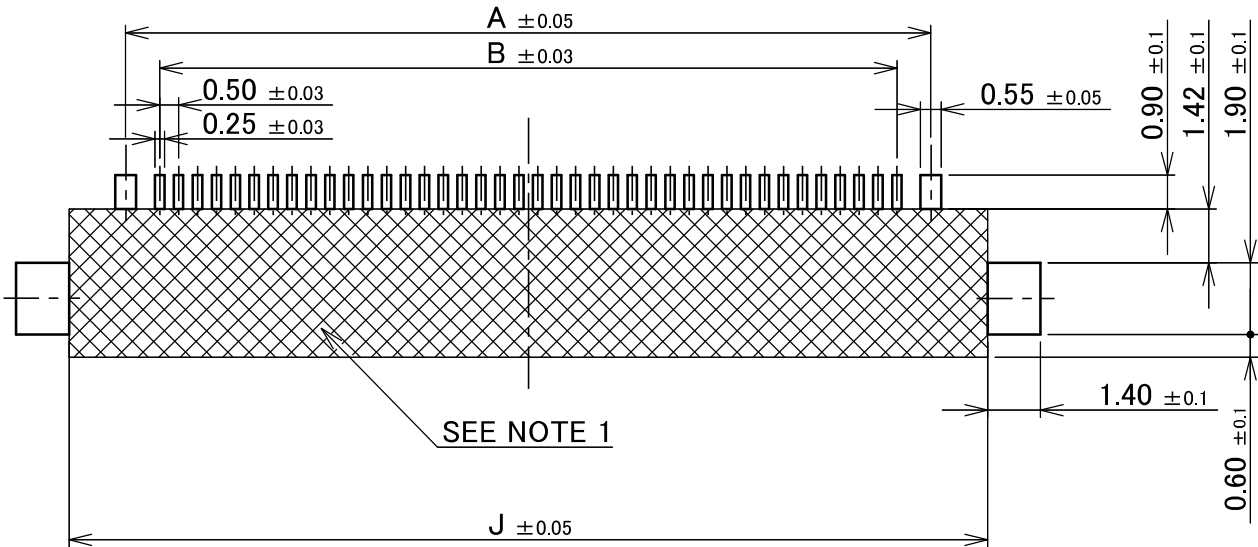


9	SHIELD TAPE	METALIC FILM	-
8	INTERLAYER	ARBITRARY	-
7	GROUND PLATE	METARIC FILM	POLISH or HALF POLISH Sn PLATING
6	REINFORCED TAPE	ARBITRARY	-
5	INSULATION FILM	ARBITRARY	-
4	CONDUCTOR	COPPER ALLOY	CONTACT AREA: Au 0.05 μ m MIN. OVER Ni 0.5 μ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

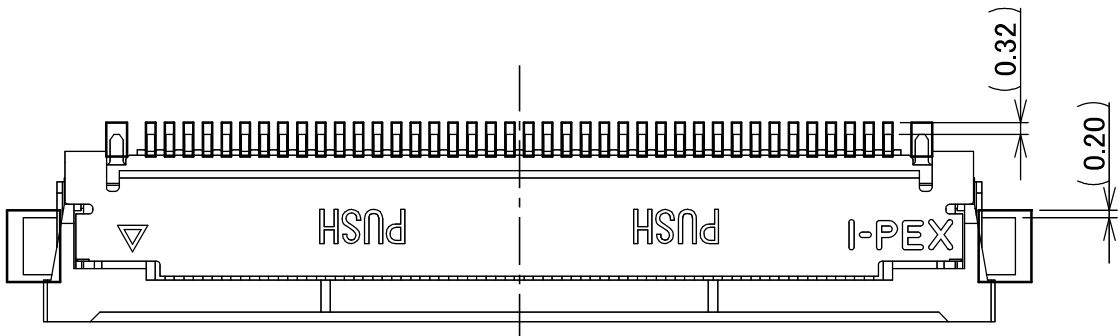
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5		R0			
GENERAL TOLERANCE.				TITLE	SCALE		I-PEX	
DWG.	DATE			EVAFLEX® 5-VS TYPE R		5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20893	SIZE	SHEET	REV.
						A3	3/5	5

NOTES
1.DIFFERENTIAL IMPEDAMCE : 100Ω
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.

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

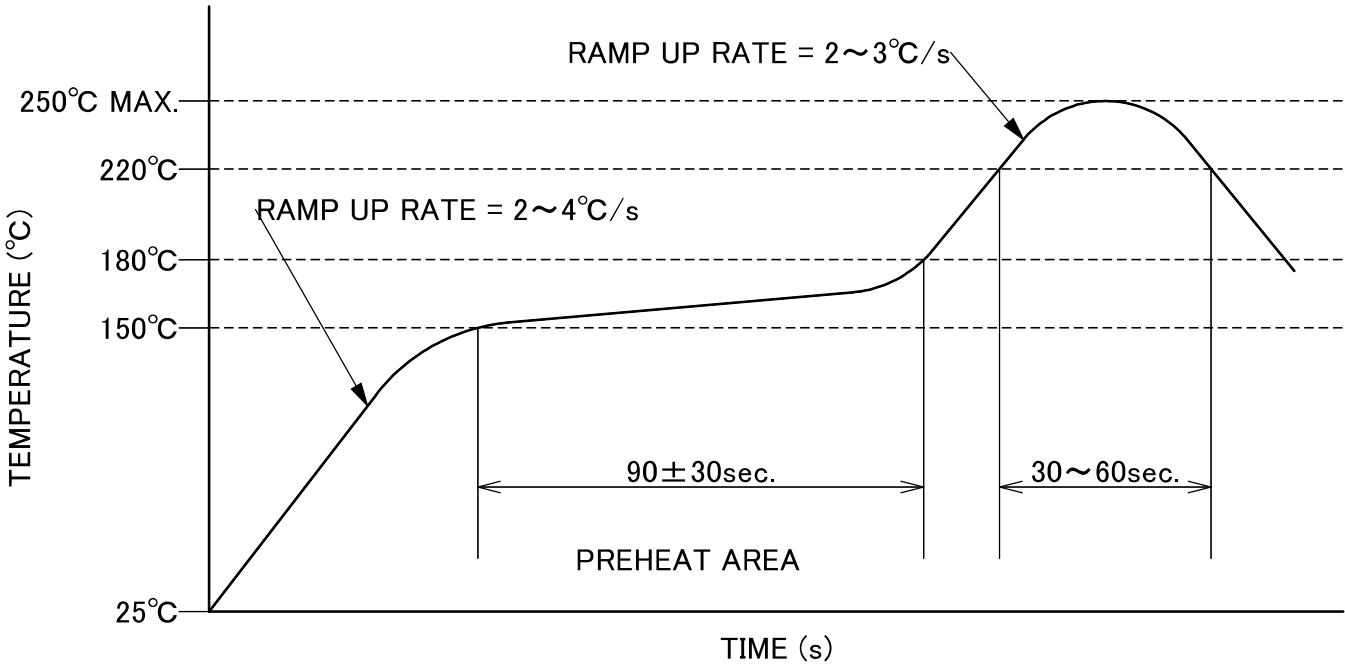


RECOMMENDED PCB & METALMASK LAYOUT
METALMASK THICKNESS: t=0.12



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.		SIZE	SHEET	REV.
				20893		A3	4/5	5

