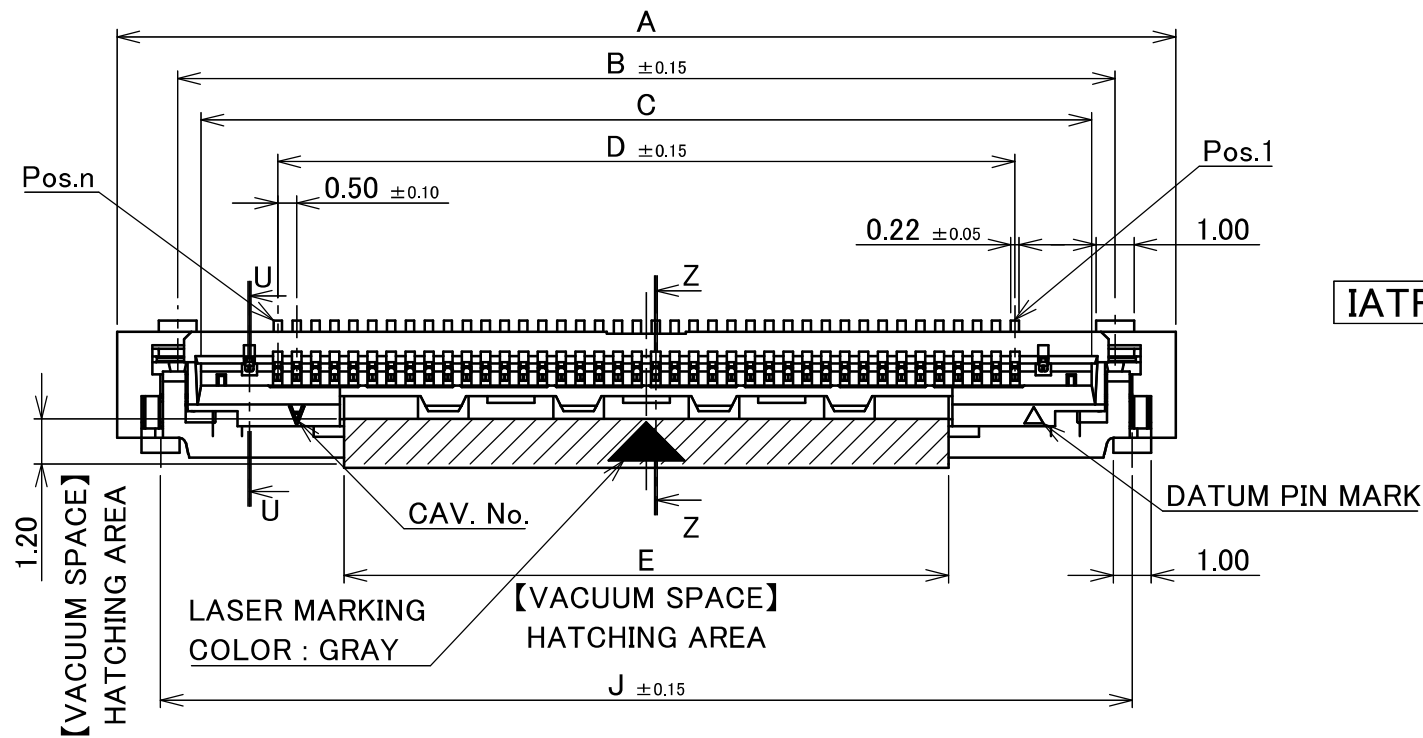


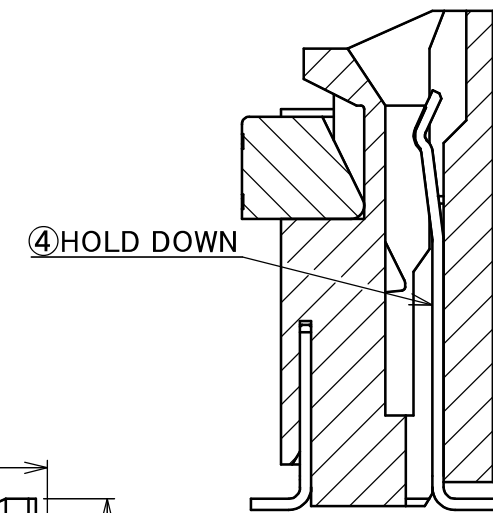
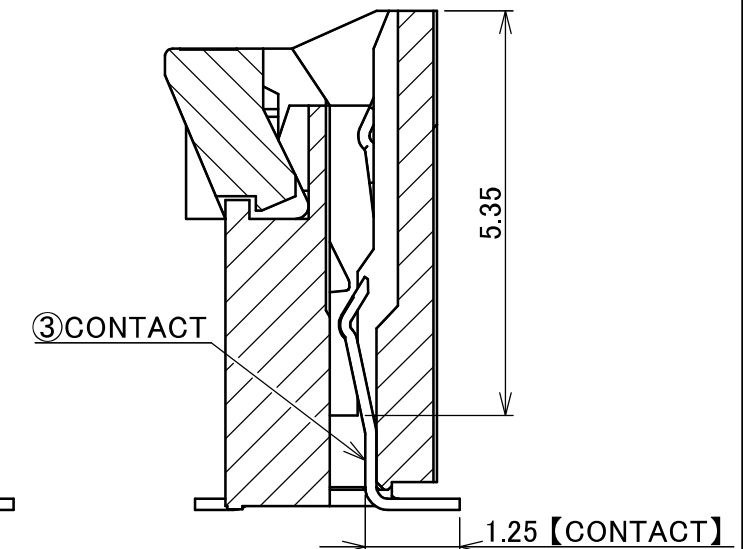
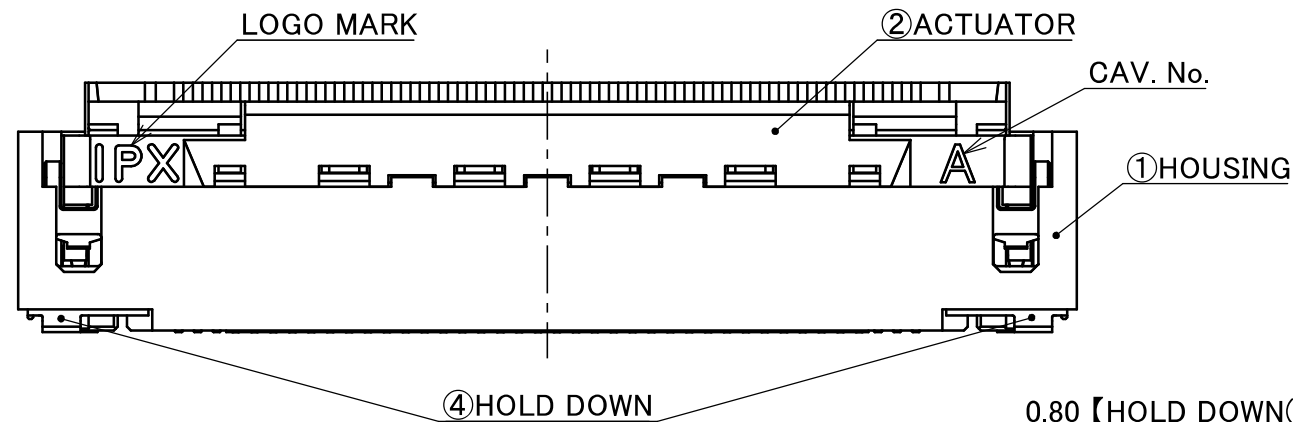


Halogen Free

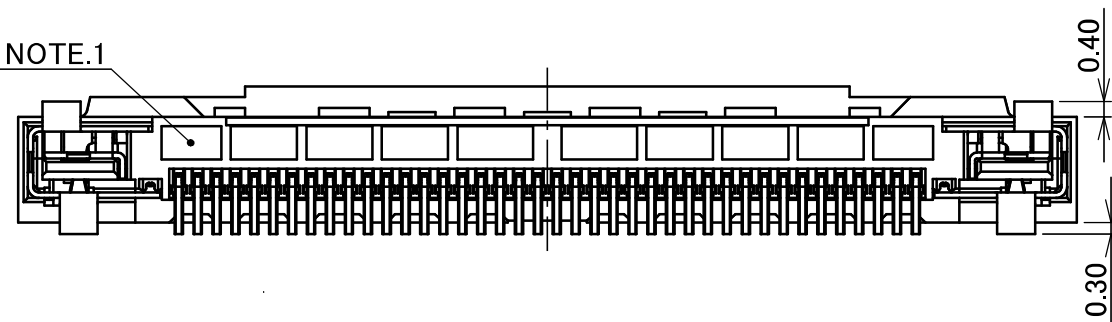


RoHS Compliant

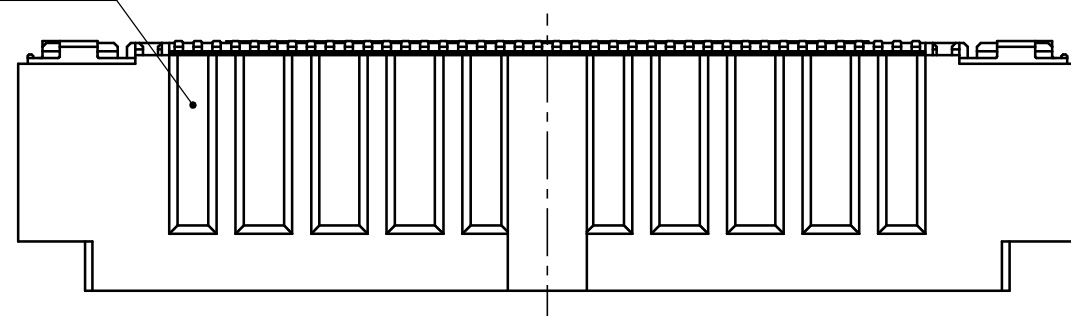
IATF 16949 CERTIFIED [PLANNED]

SECT. U-U
(S = 10 : 1)SECT. Z-Z
(S = 10 : 1)

SEE NOTE.1



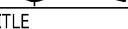
SEE NOTE.1



NOTES.

1. DENT SHAPE SHOWN ON DRAWING IS JUST FOR REFERENCE.
DENT SHAPE AND QUANTITY MIGHT CHANGE FROM DIFFERENT PIN COUNT AND DIFFERENT TOOLING.

4	HOLD DOWN	CORSON ALLOY	SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
3	CONTACT	CORSON ALLOY	CONTACT AREA AND SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

12	ZC00199	Mino	2025/10/27	T.M	ANGLE	±2°	6 OVER 30 MAX.	±0.3		PROJECTION	SERIES No. R9	CUSTOMER COPY		
11	Z240650	W.L	2024/06/14	M.T	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
10	Z230342	Y.I	2023/03/23	M.T	GENERAL TOLERANCE.					TITLE EVAFLEX® 5-SE-G VT	SCALE 5:1	I-PEX		
9	Z220209	K.H	2022/02/28	H.I	DWG.	DATE								
8	Z191644	A.K	2021/12/17	H.I	M.Muro			2016/10/25						
7	Z191612	A.K	2019/12/11	Y.S	CHK.	—								
REV.	ECN	BY	DATE	APP.	APP.					DWG. No.	20799	SIZE A3	SHEET 1/6	REV. 12
REVISION RECORD					Y.Shimada									

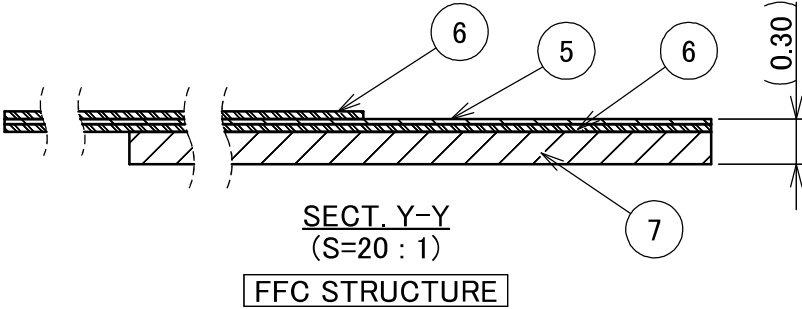
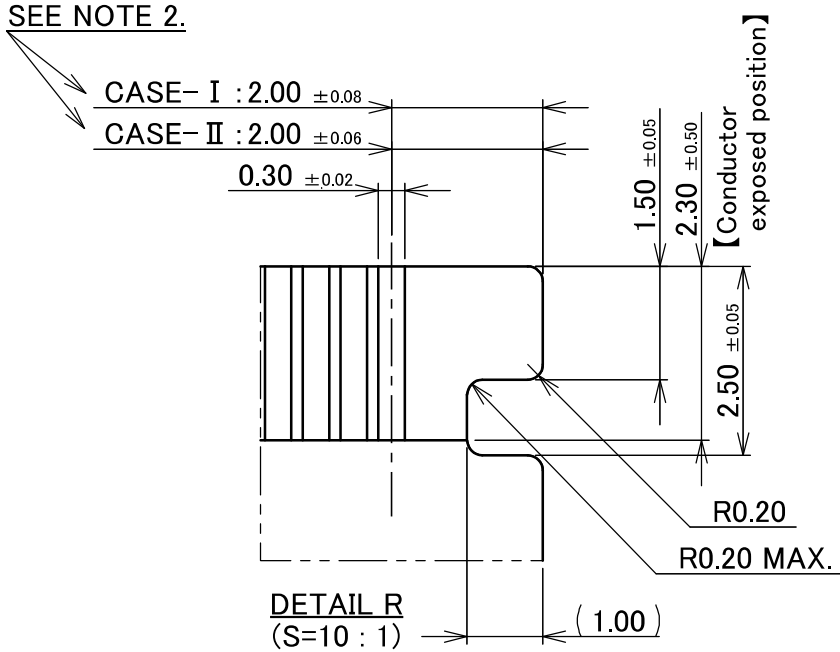
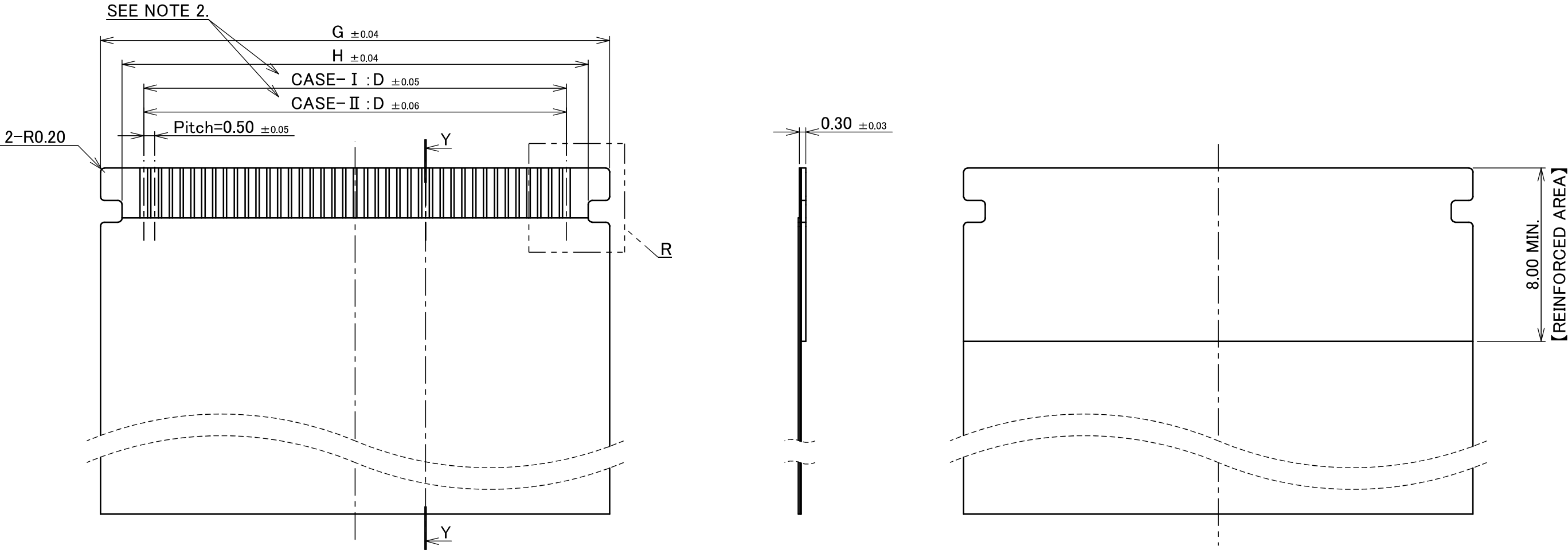
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)
RATING AMPERAGE	0.35A AC/DC (PER CONTACT PIN) AVAILABLE FOR ALL CONTACTS 0.5A AC/DC (PER CONTACT PIN) AVAILABLE UP TO 15 CONTACTS
OPERATING TEMPERATURE	233~398K(−40°C~+125°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	50TH CYCLES
FPC/FFC MATING FORCE (INITIAL / 50TH CYCLES)	20P : 15.00 N MAX. 30P : 22.00 N MAX. 40P : 29.00 N MAX. 50P : 36.00 N MAX. 60P : 43.00 N MAX.
FPC/FFC UNMATING FORCE (INITIAL / 50TH CYCLES)	20P : 2.00 N MIN. 30P : 2.70 N MIN. 40P : 3.40 N MIN. 50P : 4.10 N MIN. 60P : 4.80 N MIN.
FPC/FFC RETENTION FORCE (INITIAL / AFTER TEST)	20P : 11.00 N MIN. 30P : 11.70 N MIN. 40P : 12.40 N MIN. 50P : 13.10 N MIN. 60P : 13.80 N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2305
TEST REPORT	TR-17100
PACKING STANDARD	PST-18002
INSTRUCTION MANUAL	HIM-16039
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R9	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-SE-G VT		SCALE		
DWG.	DATE					UNIT		
CHK.						mm		
APP.						DWG. No.	20799	SIZE A3

PART No.	D	G	H
20799-020E-01	9.50	13.50	11.50
20799-030E-01	14.50	18.50	16.50
20799-040E-01	19.50	23.50	21.50
20799-050E-01	24.50	28.50	26.50
20799-060E-01	29.50	33.50	31.50

RECOMMENDED FFC LAYOUT

【NON SHIELDED TYPE】



- NOTES.
- MANUFACTURE CASE- I or II
 - SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

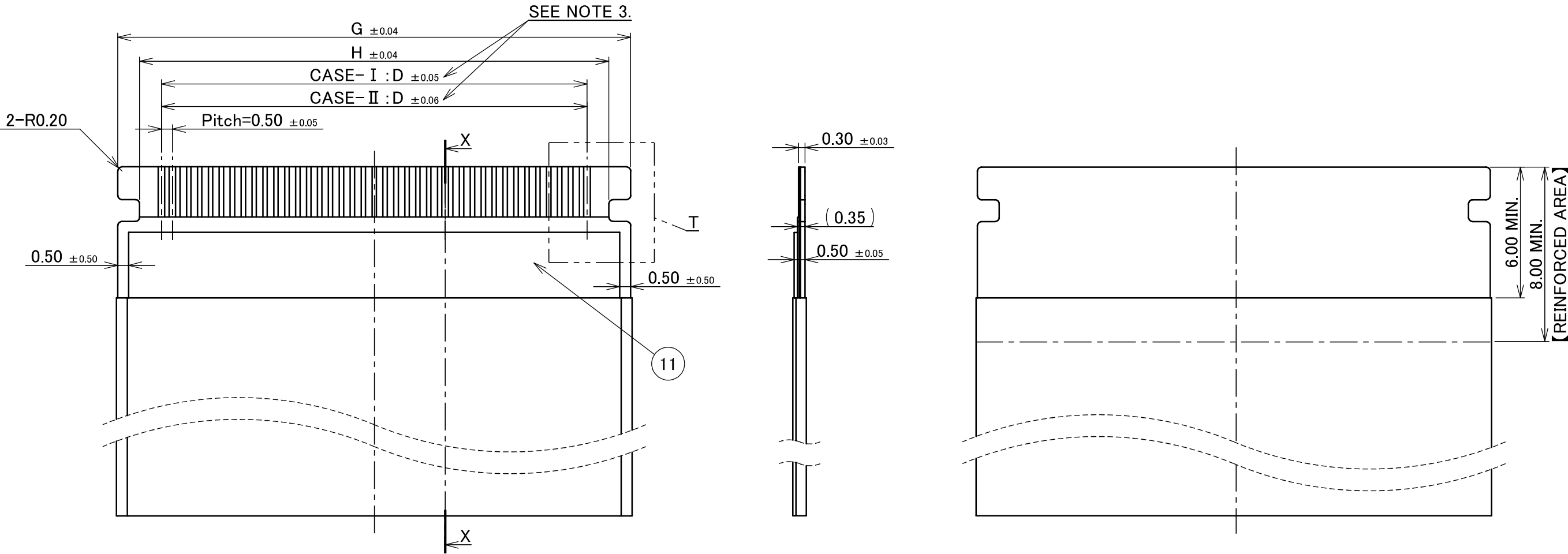
7	REINFORCED TAPE	ARBITRARY	
6	INSULATION FILM	ARBITRARY	
5	CONDUCTOR	COPPER ALLOY	CONTACT AREA : Au 0.05 μ m MIN. OVER Ni 0.5 μ m MIN.
NO.	COMPONENTS	MATERIAL	FINISH

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R9	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-SE-G VT		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20799	SIZE	SHEET	REV.
						A3	3/6	12

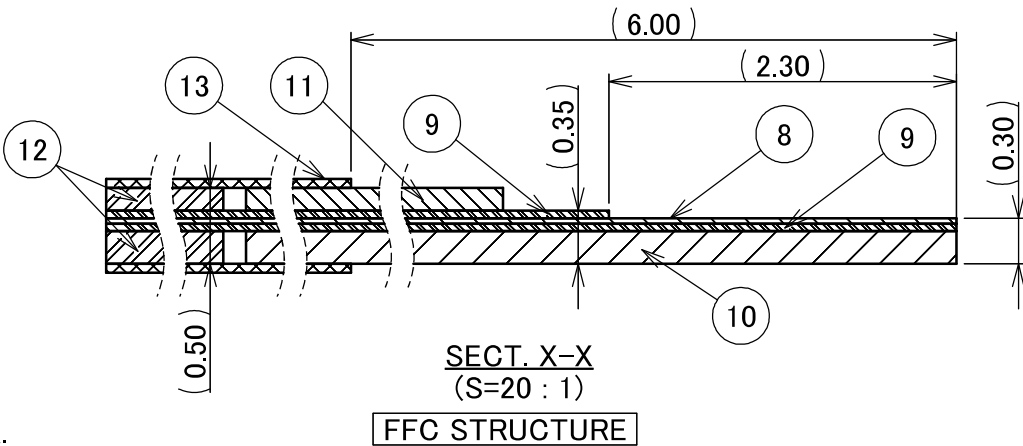
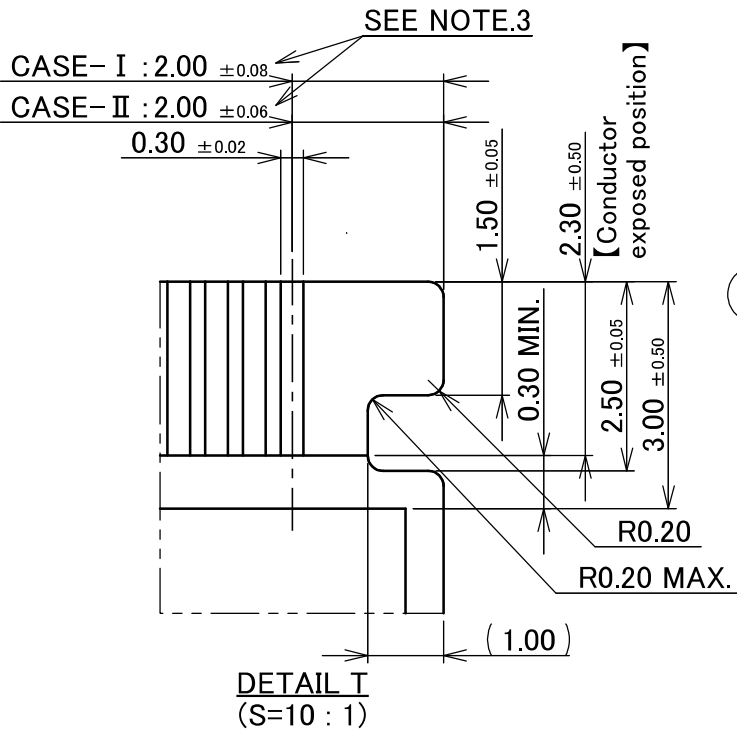
PART No.	D	G	H
20799-020E-01	9.50	13.50	11.50
20799-030E-01	14.50	18.50	16.50
20799-040E-01	19.50	23.50	21.50
20799-050E-01	24.50	28.50	26.50
20799-060E-01	29.50	33.50	31.50

RECOMMENDED FFC LAYOUT

【SHIELDED TYPE】



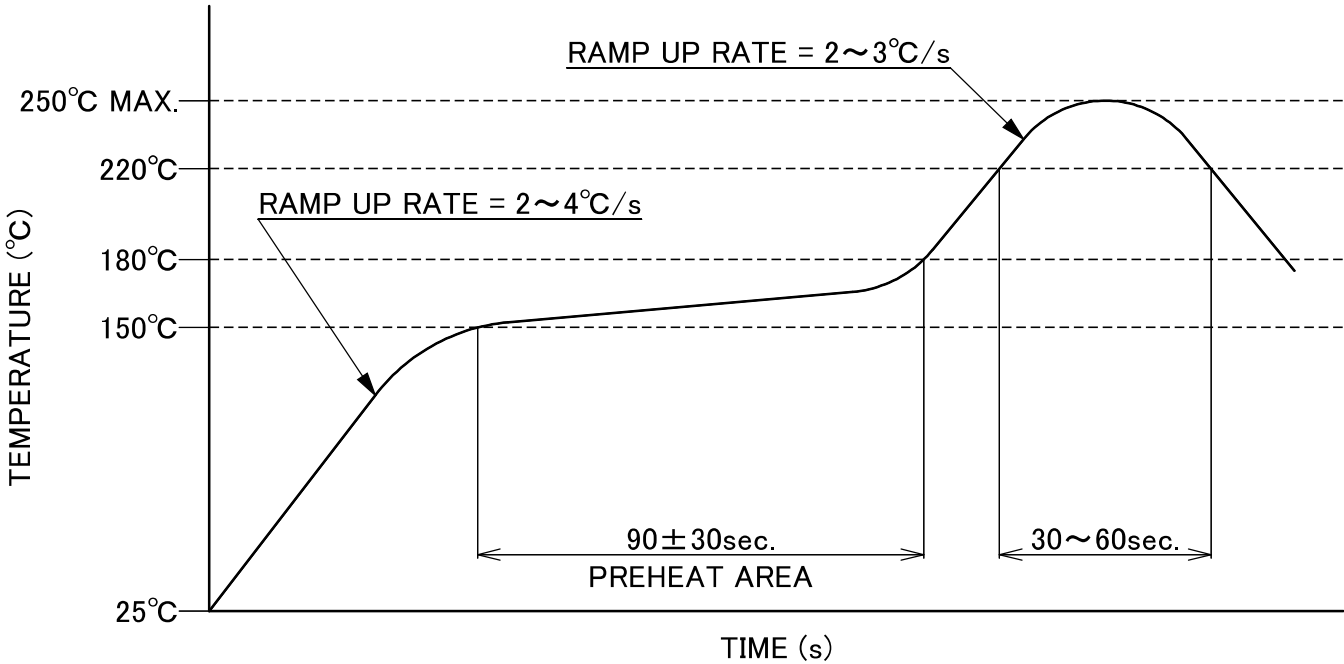
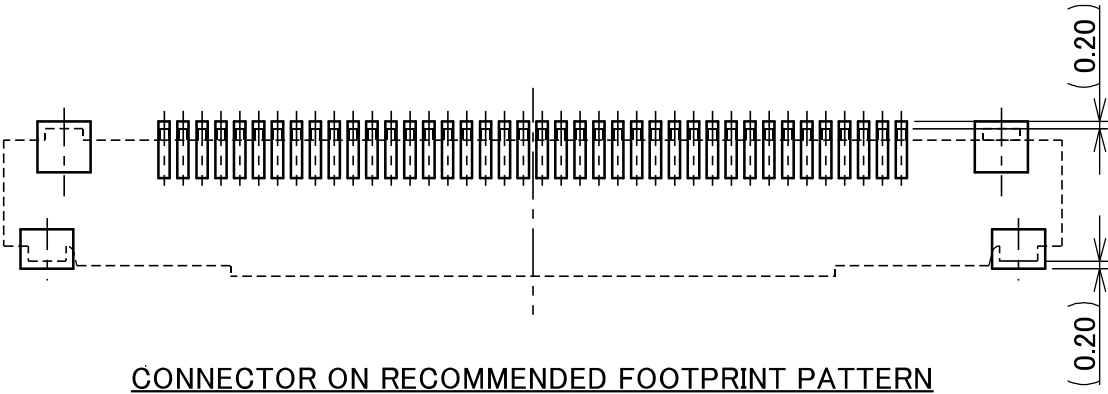
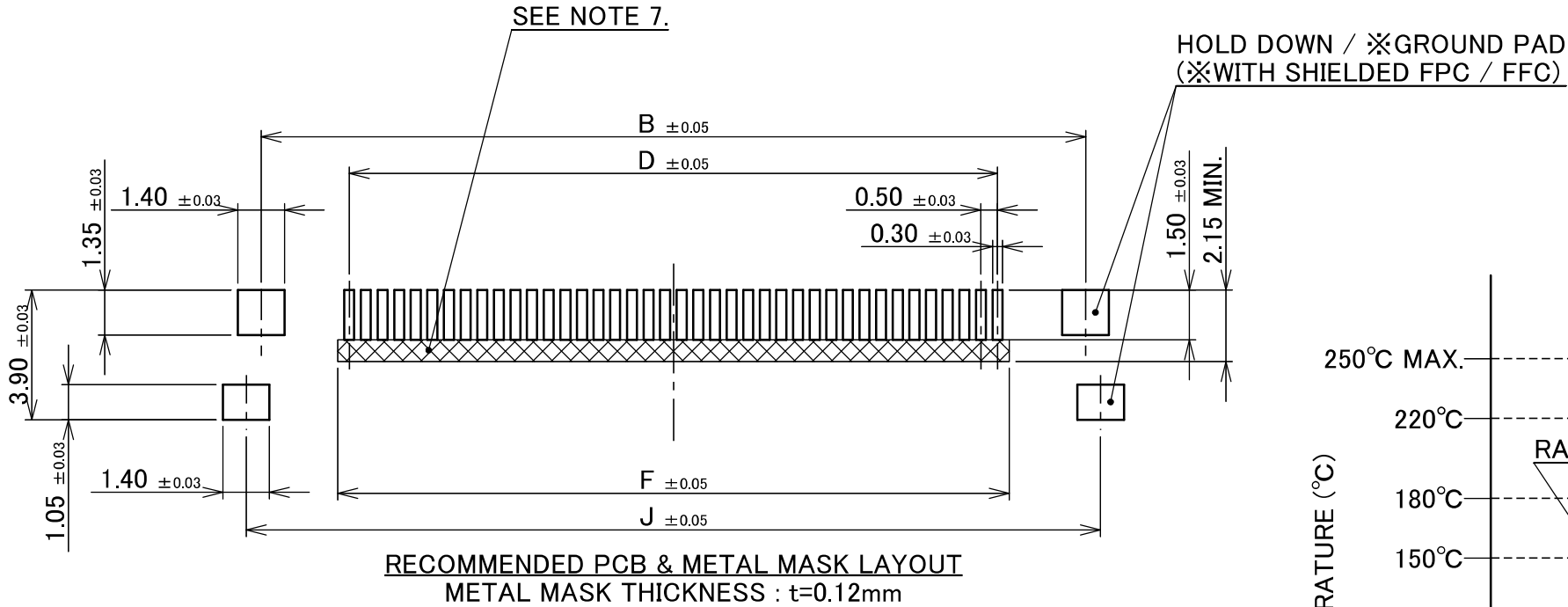
- NOTES.
- MANUFACTURE CASE- I or II
 - DIFFERENTIAL IMPEDANCE : 100±10Ω
 - SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.



13	SHIELD TAPE	METALLIC FILM	
12	INTERLAYER	ARBITRARY	
11	GROUND PLATE	METALLIC FILM	POLISH or HALF POLISH Sn PLATING
10	REINFORCED TAPE	ARBITRARY	
9	INSULATION FILM	ARBITRARY	
8	CONDUCTOR	COPPER ALLOY	CONTACT AREA : Au 0.05 μm MIN. OVER Ni 0.5 μm MIN.
NO.	COMPONENTS	MATERIAL	FINISH

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R9			
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-SE-G VT		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.				DWG. No.	20799	SIZE	SHEET	REV.
						A3	4/6	12

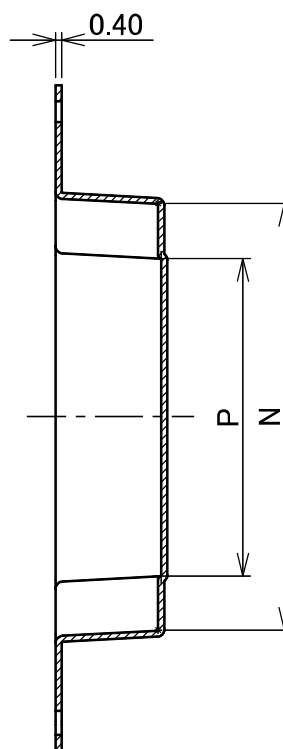
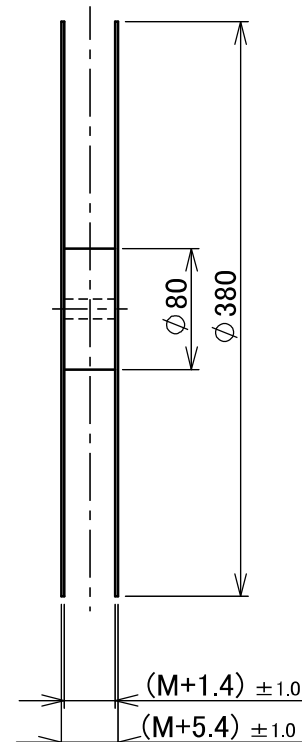
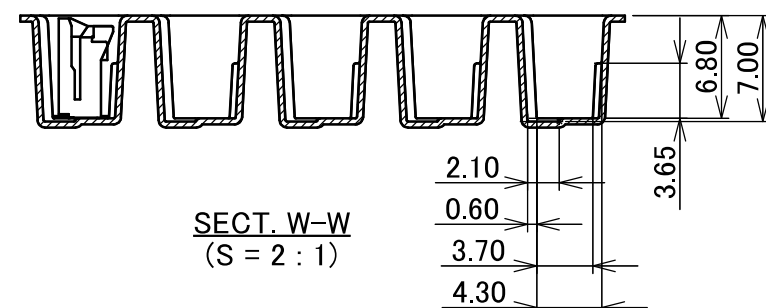
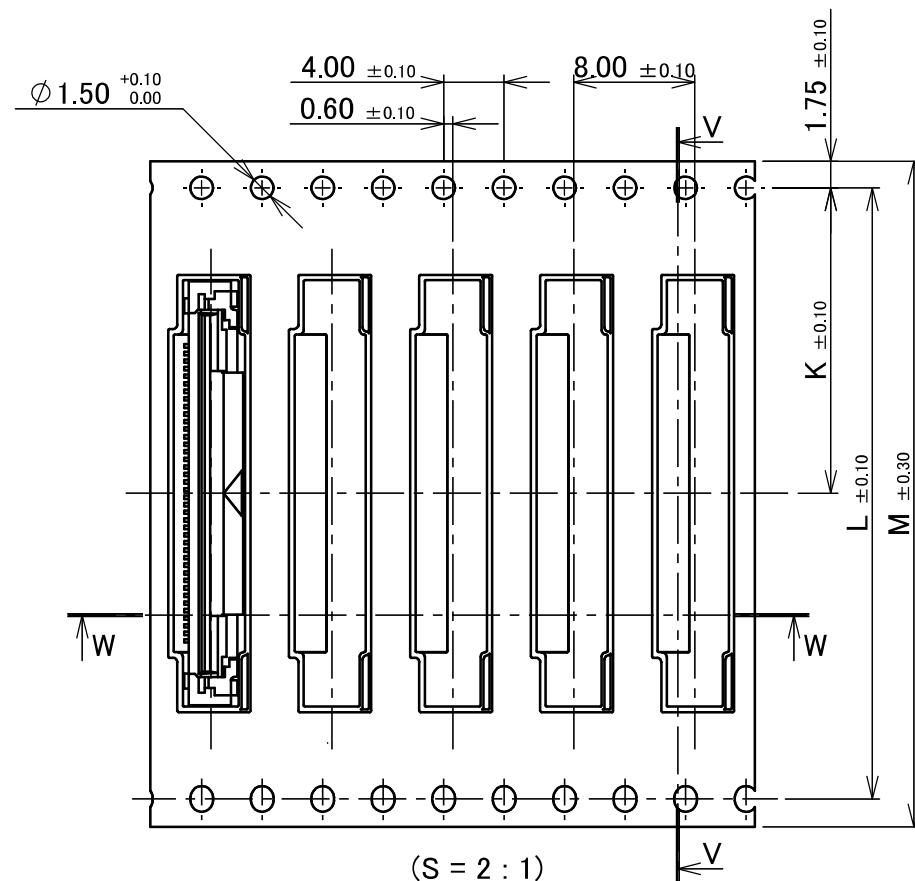
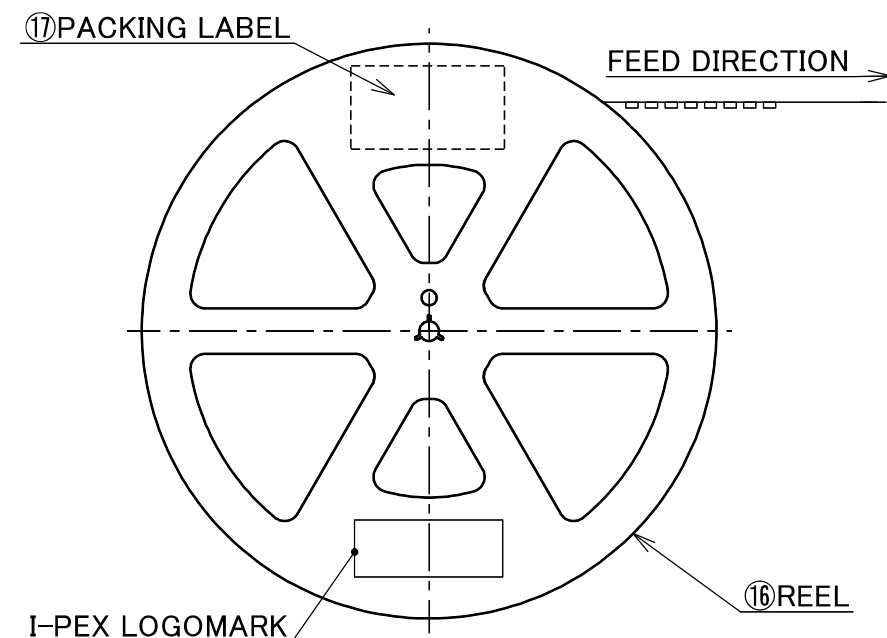
PART No.	B	D	F	J
20799-020E-01	14.80	9.50	10.20	15.70
20799-030E-01	19.80	14.50	15.20	20.70
20799-040E-01	24.80	19.50	20.20	25.70
20799-050E-01	29.80	24.50	25.20	30.70
20799-060E-01	34.80	29.50	30.20	35.70



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

- NOTES
7. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R9	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-SE-G VT		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
			mm					
APP.				DWG. No.	20799	SIZE	SHEET	REV.
						A3	5/6	12

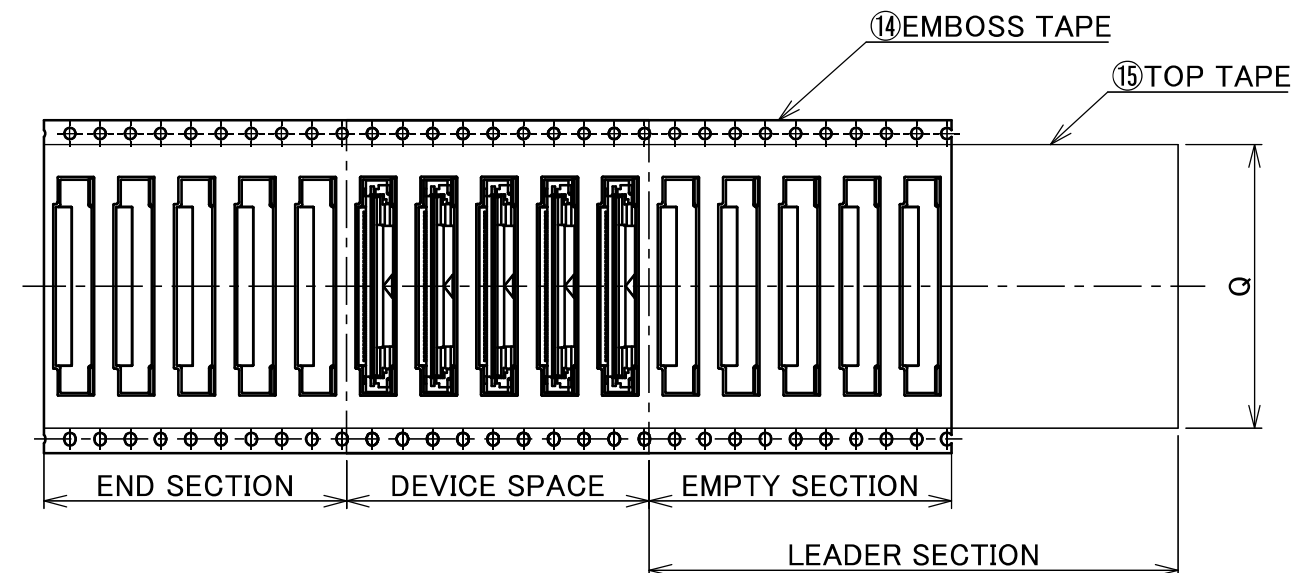


SECT. V-V
(S = 2 : 1)

PART NO.	K	L	M	N	P	Q	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20799-020E-01	14.20	28.40	32.00	18.20	11.00	26.00	1500 / REEL	4 / CARTON = 6000
20799-030E-01	20.20	40.40	44.00	23.20	16.00	37.50		3 / CARTON = 4500
20799-040E-01	20.20	40.40	44.00	28.20	21.00	37.50		
20799-050E-01	20.20	40.40	44.00	33.20	26.00	37.50		
20799-060E-01	26.20	52.40	56.00	38.20	31.00	49.00		

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.
- DRAFT ANGLE OF EMBOSS TAPE 3° MAX. AND DON'T BECOME A REVERSE SLOPE.



17	PACKING LABEL	-	-
16	REEL	PS	WHITE
15	TOP TAPE	TRANSPARENCY	ANTI-STATIC TYPE HEAT WELDING TYPE
14	EMBOSS TAPE	TRANSPARENCY	ANTI-STATIC TYPE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R9	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-SE-G VT		SCALE	I-PEX	
DWG.	DATE					1:X		
CHK.						UNIT		
			mm					
APP.				DWG. No.	20799	SIZE	SHEET	REV.
						A3	6/6	12