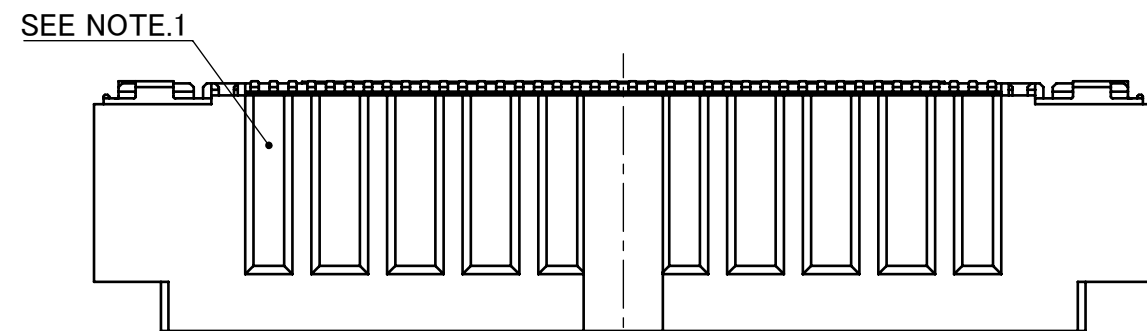
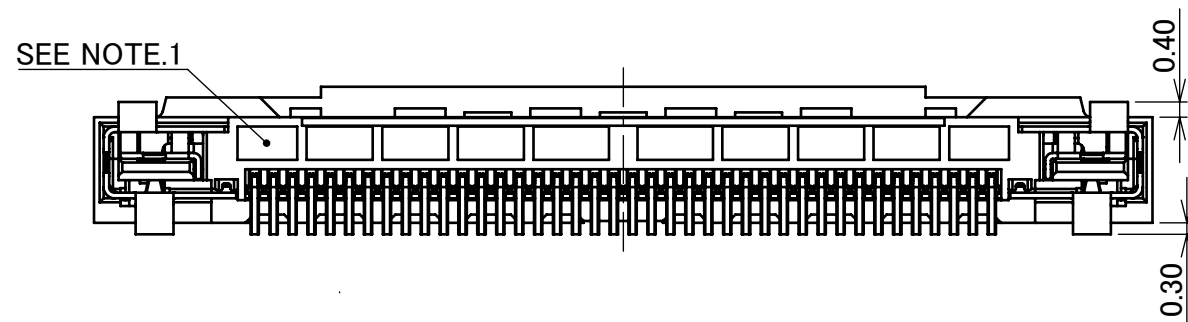
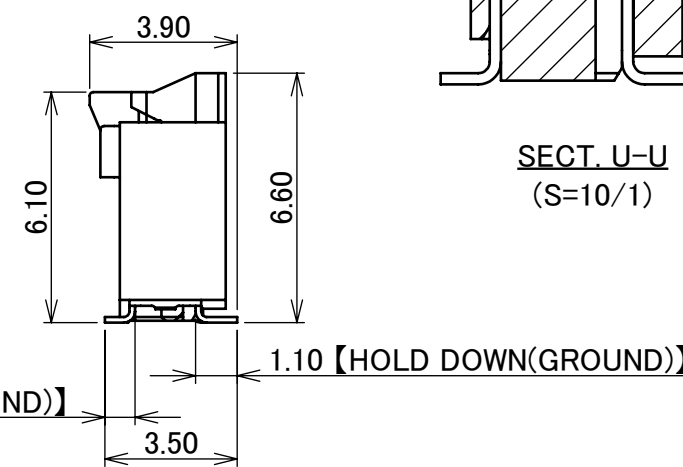
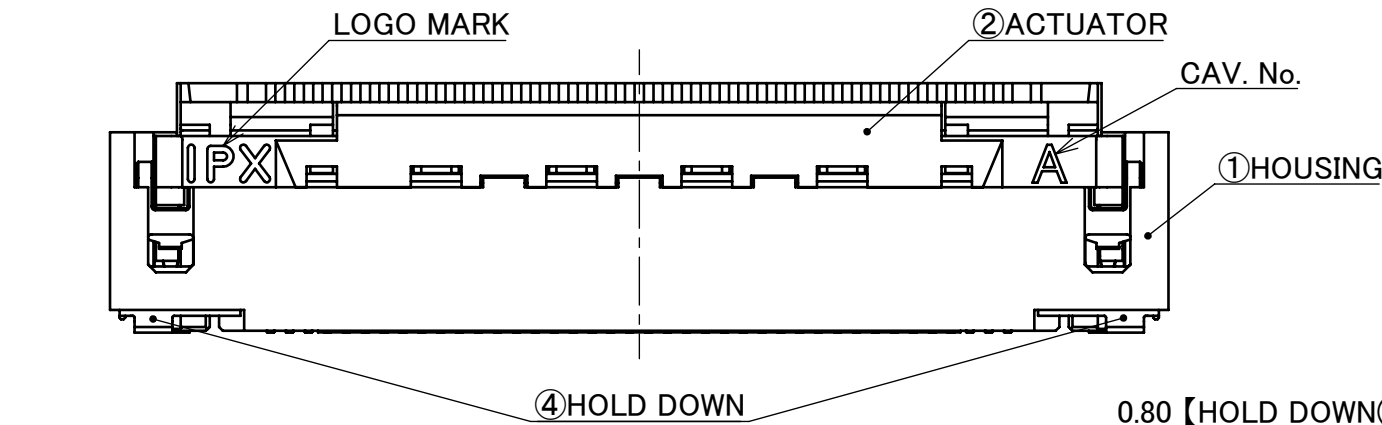


Halogen Free



RoHS Compliant

PART No.	A	B	C	D	E	J
20799-020E-01	18.00	14.80	13.56	9.50	6.00	15.70
20799-030E-01	23.00	19.80	18.56	14.50	11.00	20.70
20799-040E-01	28.00	24.80	23.56	19.50	16.00	25.70
20799-050E-01	33.00	29.80	28.56	24.50	21.00	30.70
20799-060E-01	38.00	34.80	33.56	29.50	26.00	35.70



NOTES.

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

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

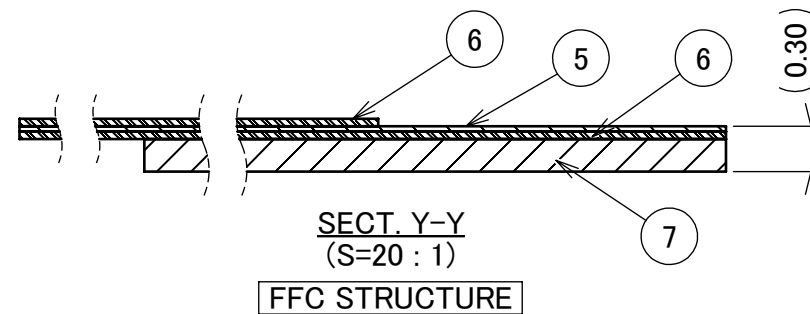
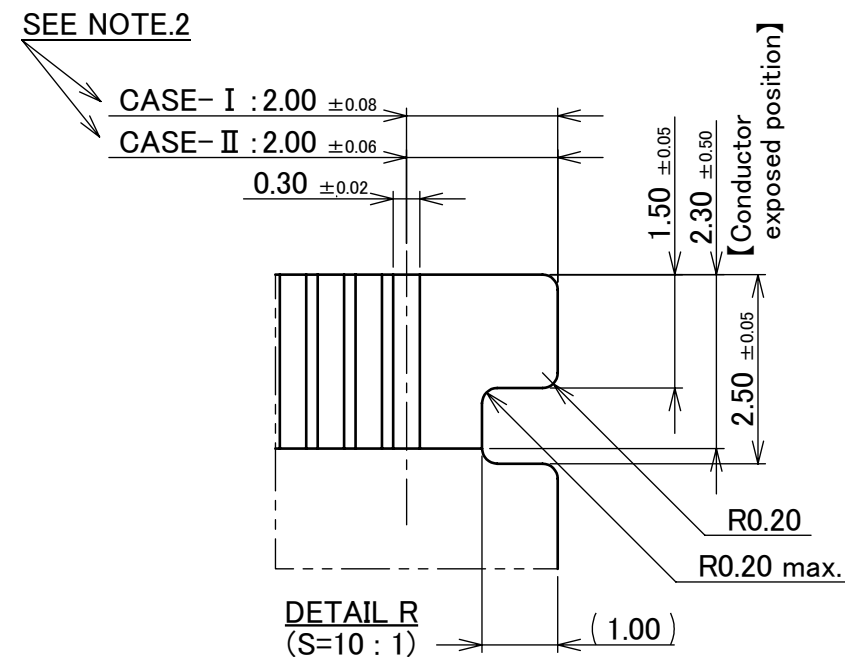
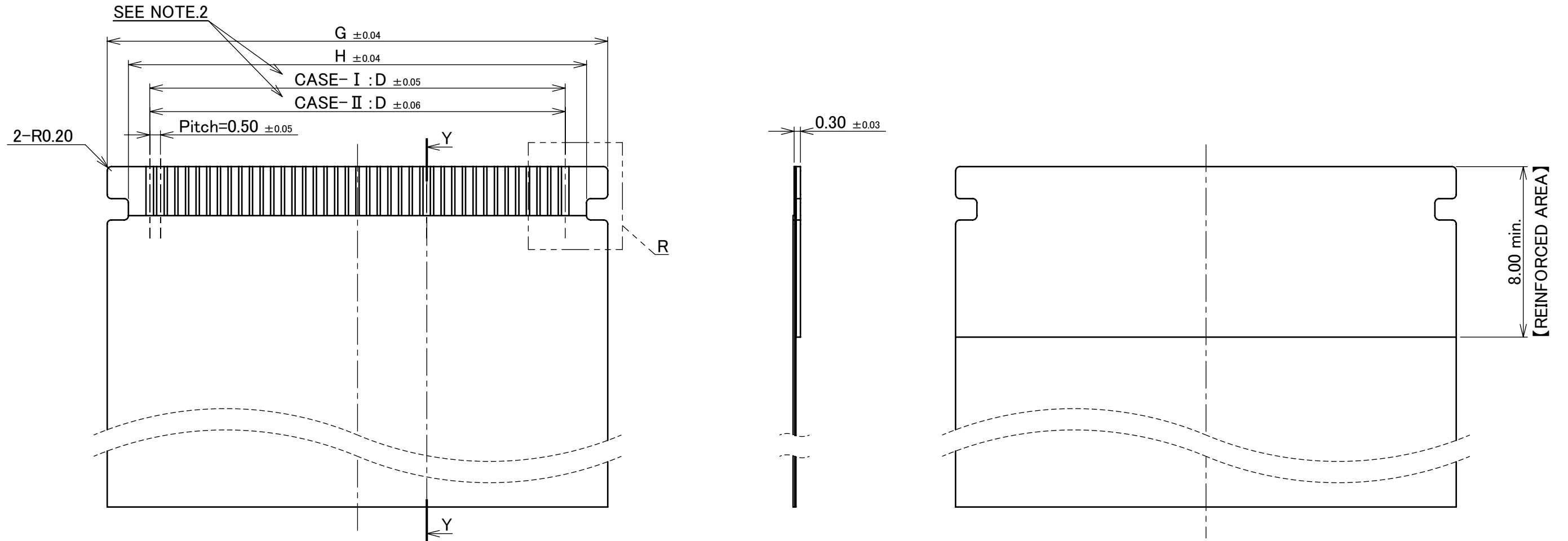
REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
9	Z220209	K.H	Feb./28/'22	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3		R9	5:1	A3	9
8	Z191644	A.K	Dec./17/'19	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
7	Z191612	A.K	Dec./11/'19	Y.S	GENERAL TOLERANCE.				EVAFLEX® 5-SE-GVT				
6	Z190872	T.T	July/02/'19	H.I	DWG.	M.Muro	DATE	2016/10/25					
5	Z190273	T.O	Feb./28/'19	H.I	CHK.	-							
4	Z190057	K.T	Feb./11/'19	H.I	APP.	Y.Shimada							
REVISION RECORD					Y.Shimada			DWG. No.	20799		1/6		

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.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : \leq 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	$\pm 2^\circ$	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-GVT	SCALE	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20799	SIZE	SHEET	REV.
					A3	2/6	9	

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】



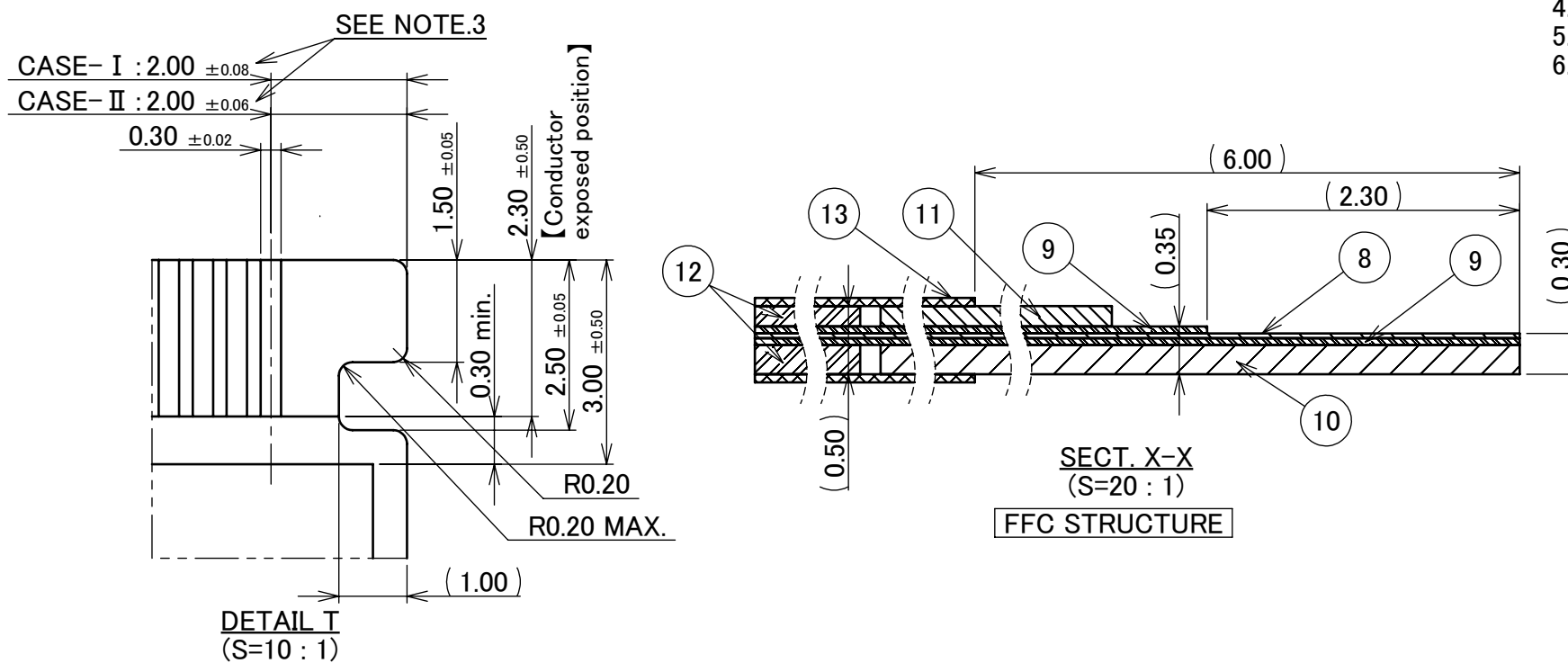
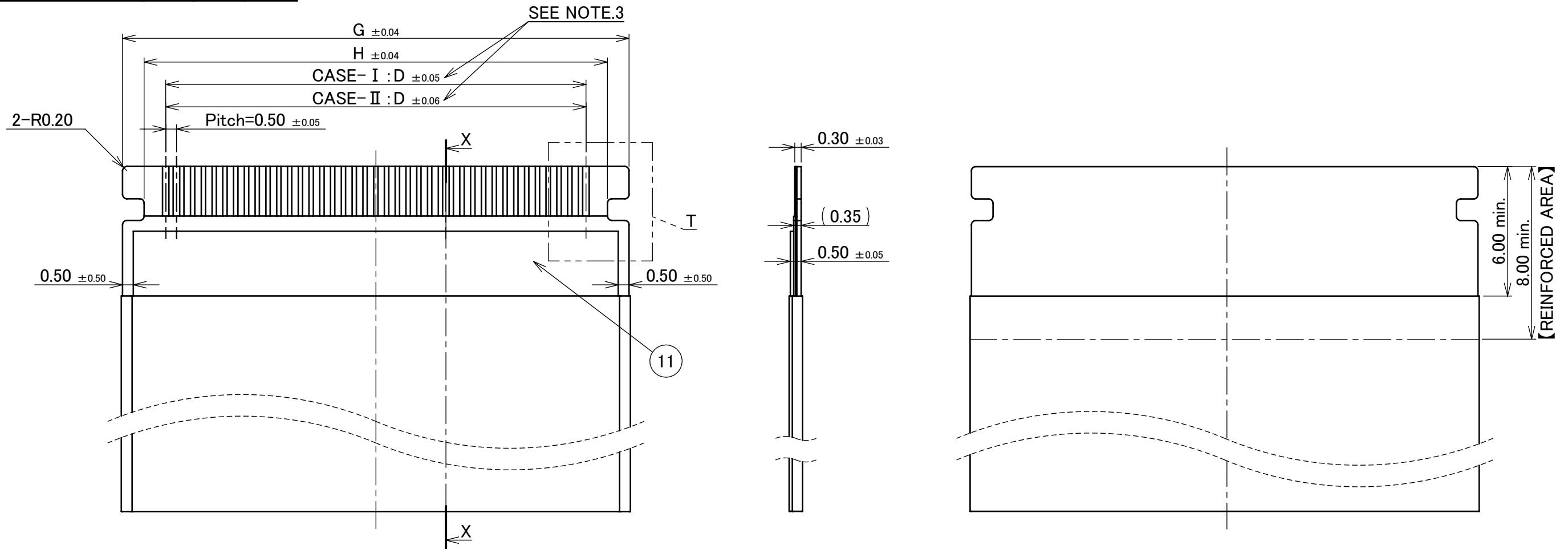
- NOTES.
2. MANUFACTURE CASE- I or II
3. SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

NO.	COMPONENTS	MATERIAL	FINISH
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.

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		R9				
GENERAL TOLERANCE.				TITLE	EVAFLEX® 5-SE-GVT		SCALE		
DWG.	DATE					UNIT	I-PEX		
CHK.						mm			
APP.				DWG. No.	20799	SIZE	SHEET	REV.	
						A3	3/6	9	

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】



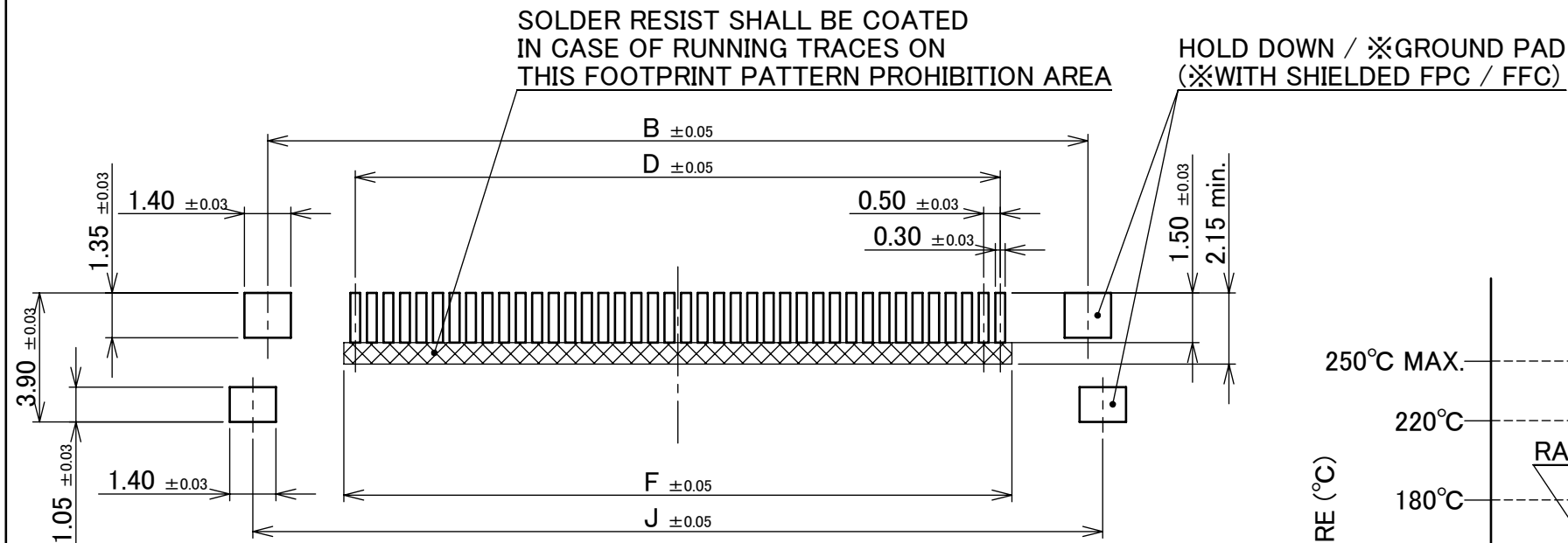
NOTES.

- 4. MANUFACTURE CASE- I or II
- 5. DIFFERENTIAL IMPEDANCE : $100 \pm 10 \Omega$
- 6. SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

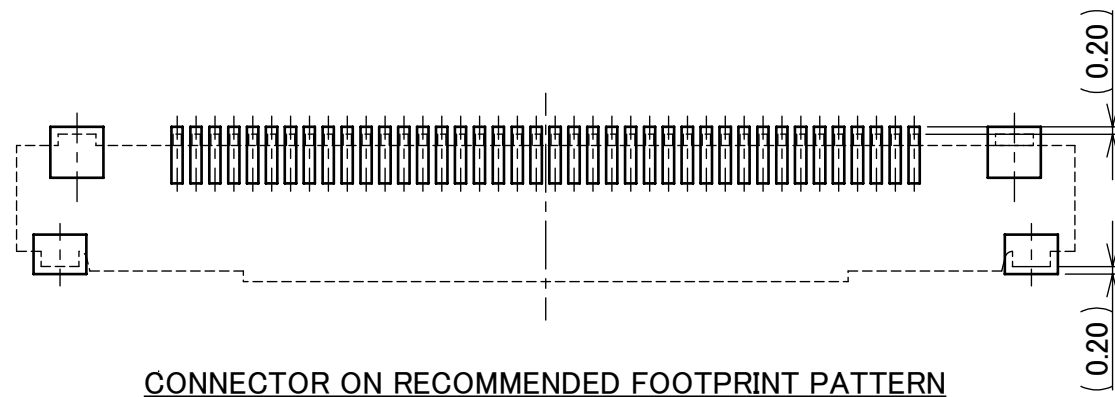
13	SHIELD TAPE	METALLIC FILM	
12	INTERLAYER	ARBITRARY	
11	GROUND PLATE	METALLIC FILM	POLISH or HALF POLISH Sn PLATING
10	REINFORCED TAPE	ARBITRARY	
9	INSULATION FILM	ARBITRARY	
8	CONDUCTOR	COPPER ALLOY	CONTACT AREA : Au $0.05 \mu\text{m}$ MIN. OVER Ni $0.5 \mu\text{m}$ MIN.
NO.	COMPONENTS	MATERIAL	FINISH

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION ①	SERIES No. R9	CUSTOMER COPY	
	6 MAX.	± 0.2	30 OVER 120 MAX.				
GENERAL TOLERANCE.				TITLE	I-PEX		
DWG.	DATE			EVAFLEX® 5-SE-GVT			
CHK.					UNIT	mm	
APP.				DWG. No.	20799	SIZE	A3
						SHEET	4/6
						REV.	9

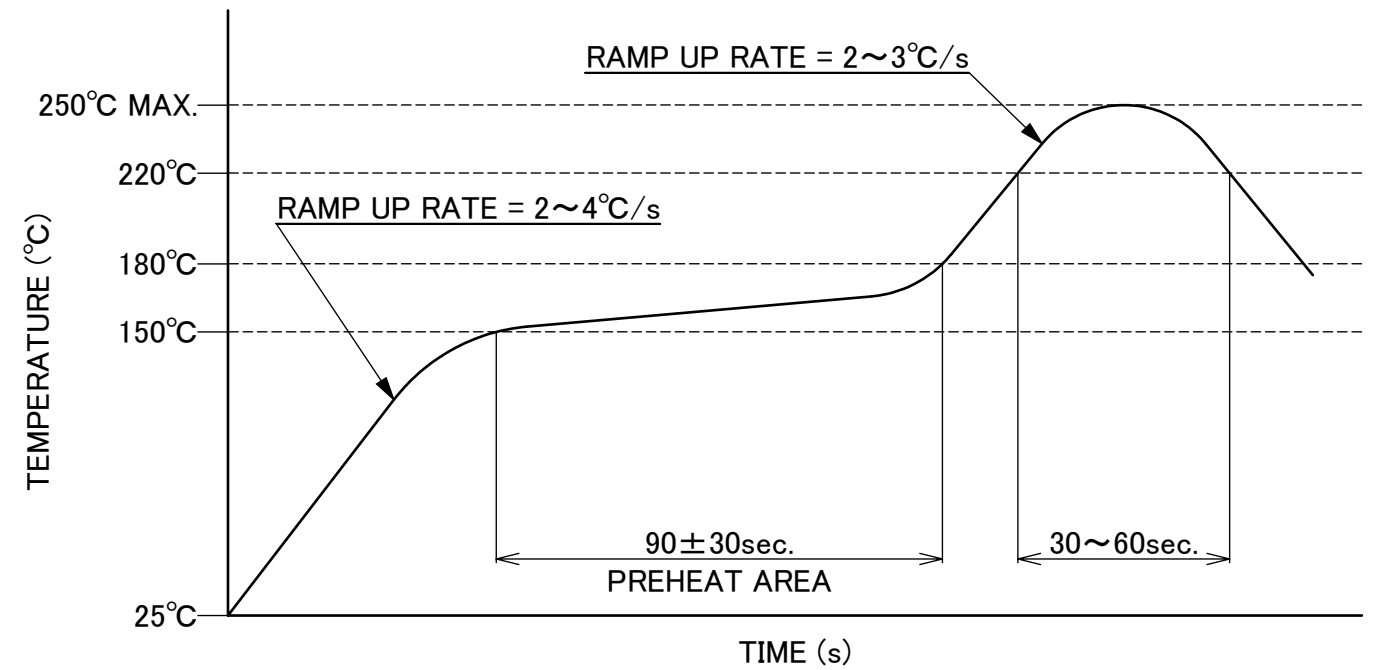
PART No.	B	D	F	J
20799-020E-01	14.80	9.50	10.20	15.70
20799-030E-01	19.80	14.50	15.20	20.70
20799-040E-01	24.80	19.50	20.20	25.70
20799-050E-01	29.80	24.50	25.20	30.70
20799-060E-01	34.80	29.50	30.20	35.70



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

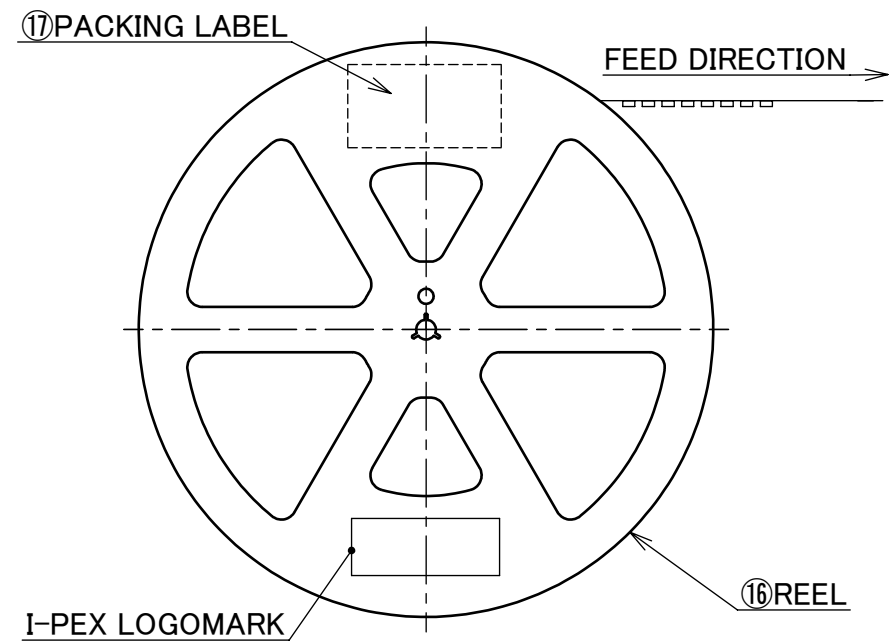


CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



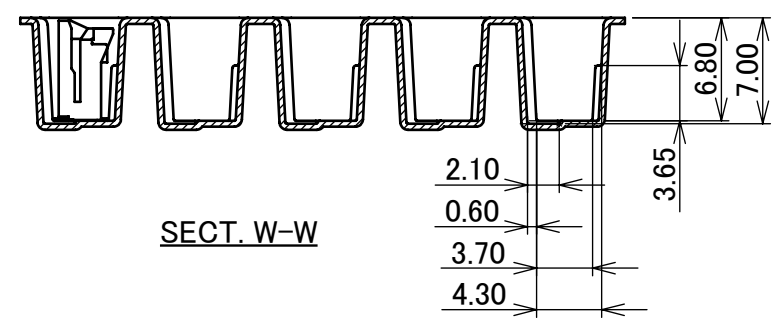
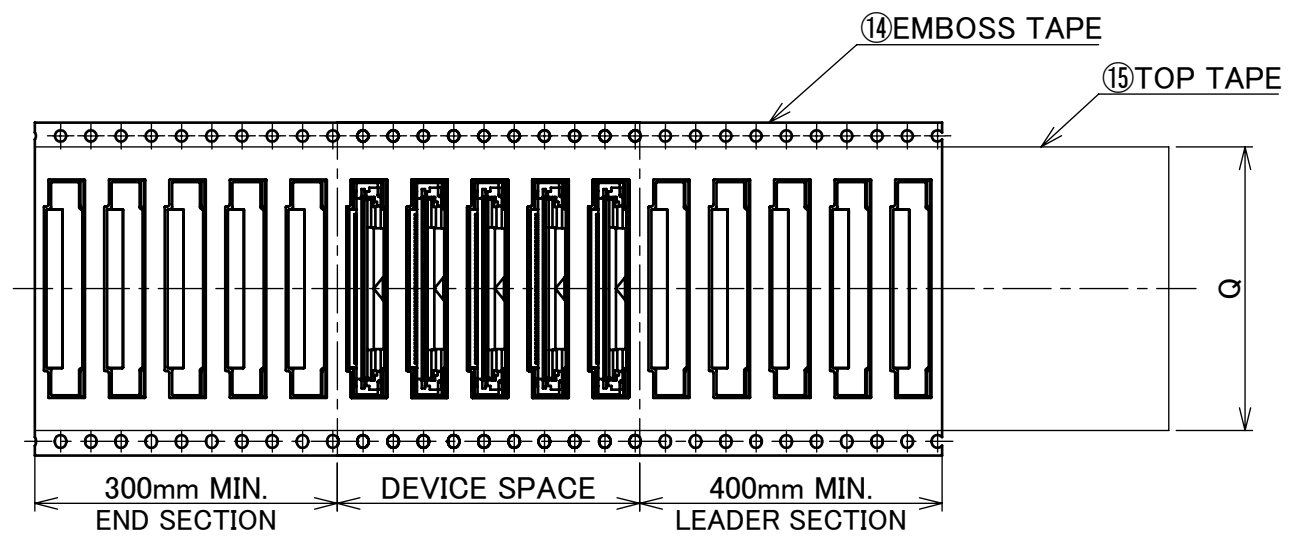
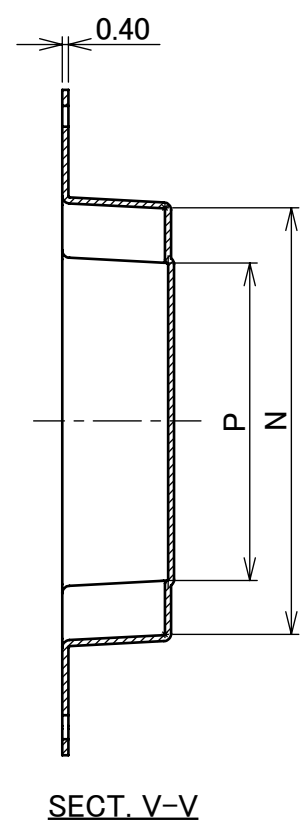
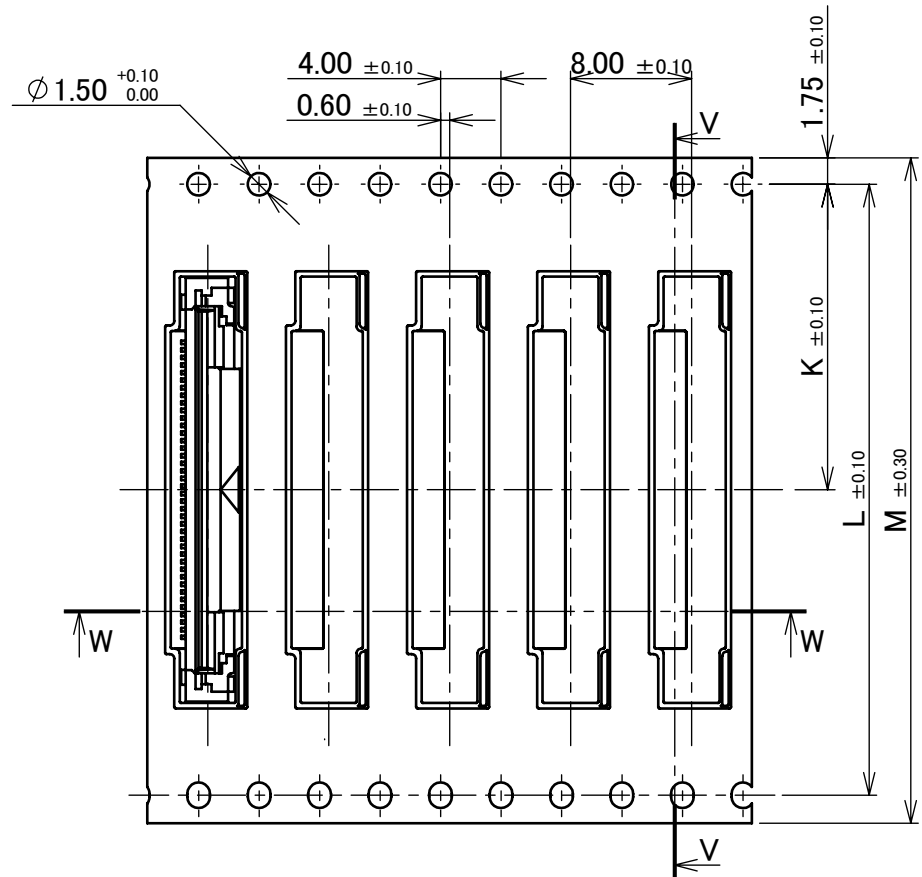
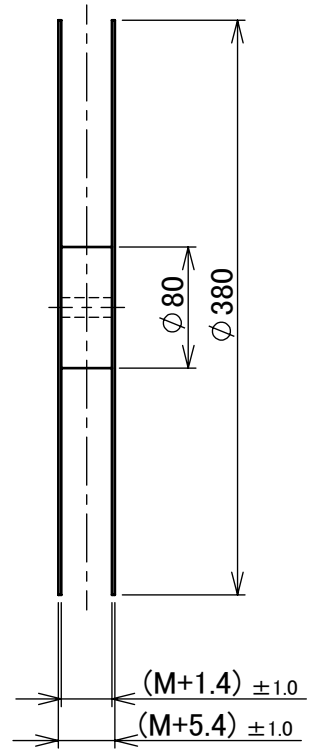
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R9	CUSTOMER COPY					
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5								
GENERAL TOLERANCE.				TITLE EVAFLEX® 5-SE-GVT		SCALE 5:1	I-PEX				
DWG.	DATE					UNIT mm					
CHK.						SIZE A3				SHEET 5/6	REV. 9
APP.				DWG. No. 20799							



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		
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		3 / CARTON = 4500

- 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.



NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
17	PACKING LABEL	-	-
16	REEL	PS	WHITE
15	TOP TAPE	PET t=0.062 TRANSPARENCY	ANTI-STATIC TYPE HEAT WELDING TYPE
14	EMBOSS TAPE	PS t=0.4 TRANSPARENCY	ANTI-STATIC TYPE

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	DWG. No. 20799	SCALE	I-PEX					
DWG.	DATE			EVAFLEX® 5-SE-GVT		1:X						
CHK.						UNIT				mm		
APP.						SIZE						
						A3	6/6	9				