

RECOMMENDED PART No. 20533-2\*\*E

PART NO.	Pos.	A	B	C	D
20533-230E	30	11.20	7.50	10.11	1.60
20533-234E	34	12.20	8.50	11.11	2.10
20533-240E	40	13.70	10.00	12.61	2.85
20533-250E	50	16.20	12.50	15.11	4.10

20533-2\*\*E Pos.

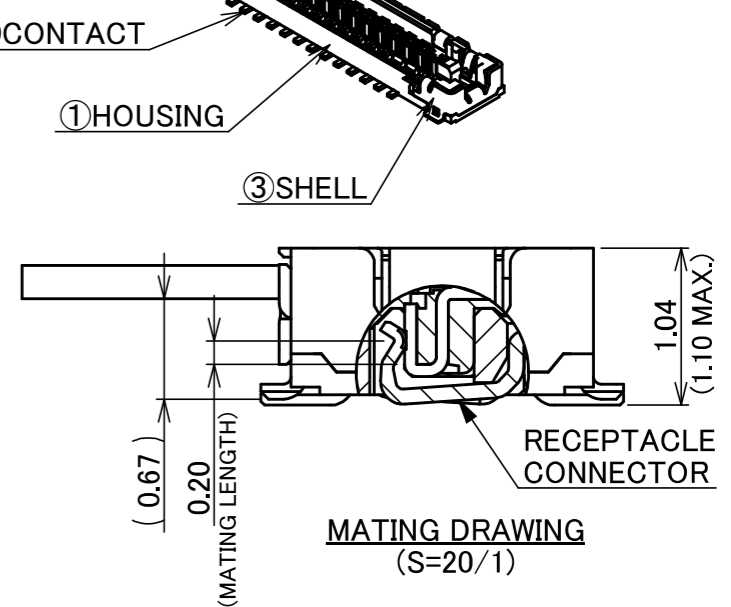
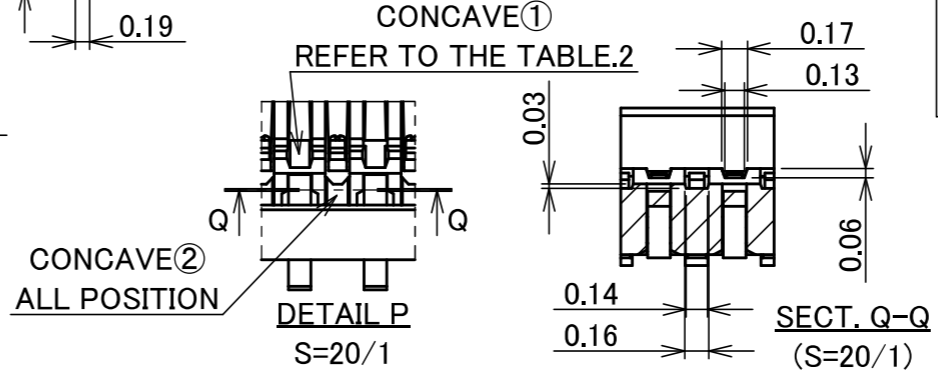
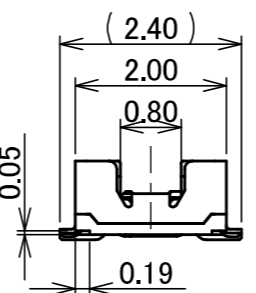
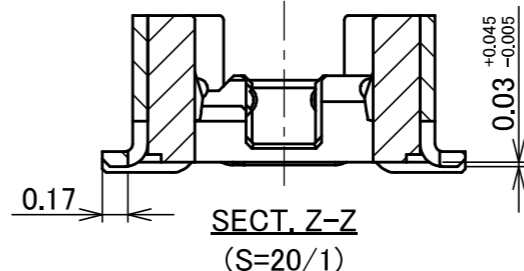
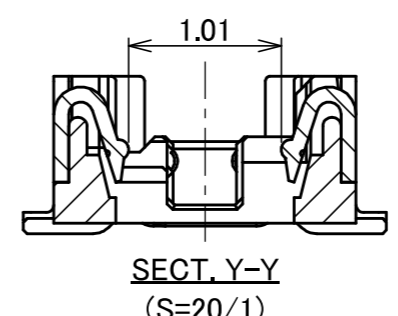
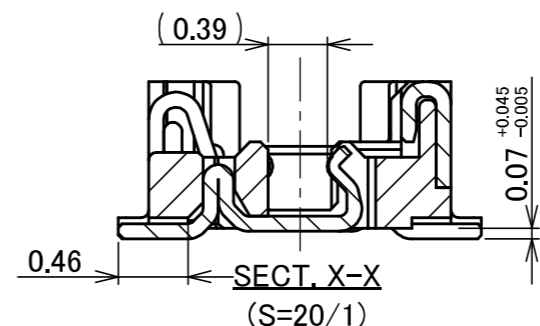
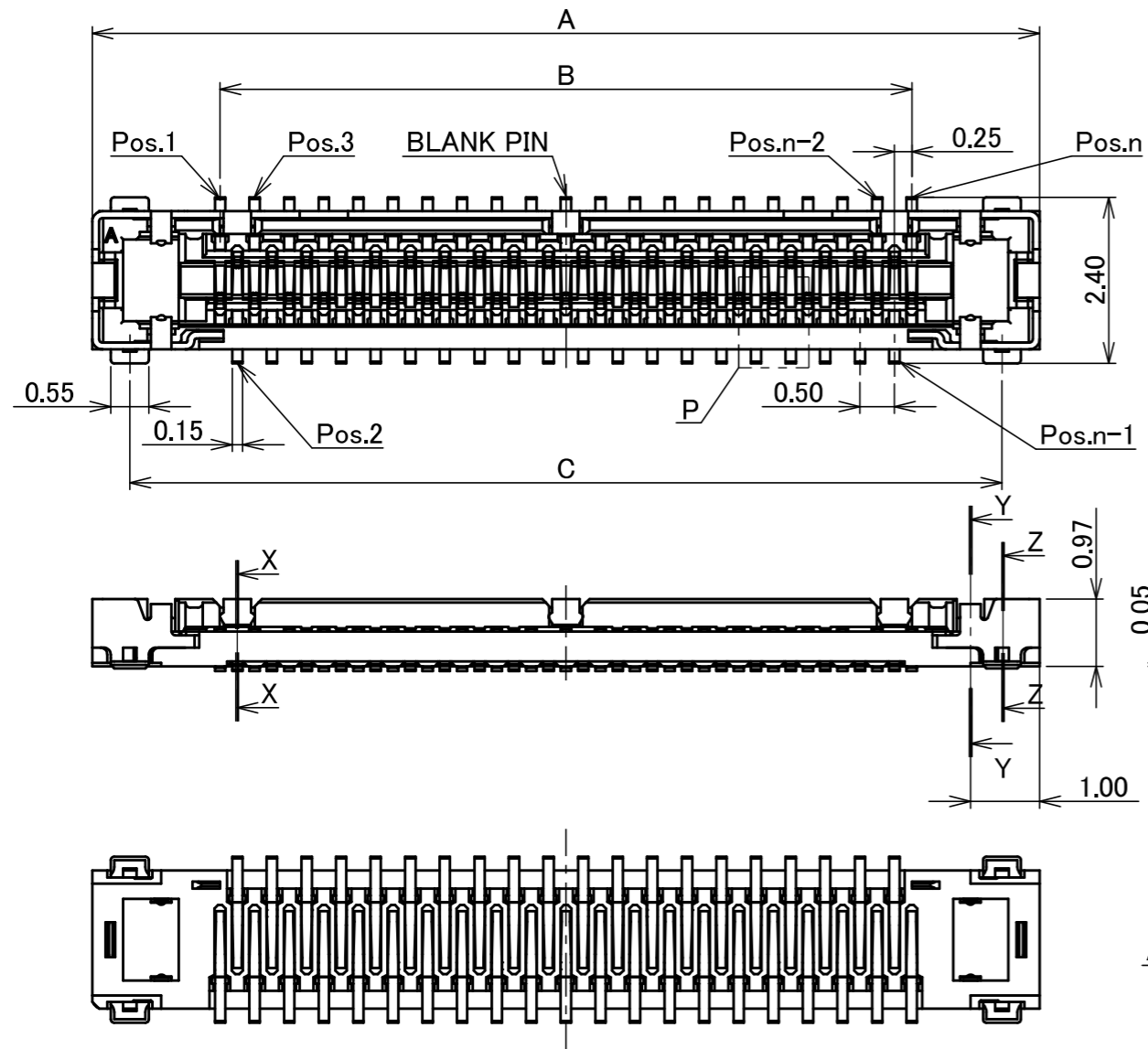
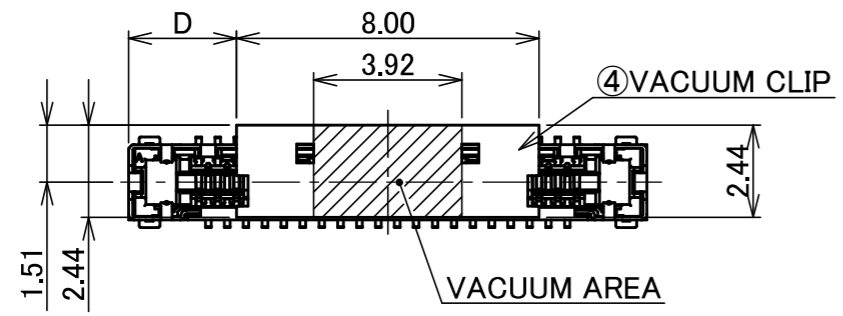


TABLE.2 POSITION OF CONCAVE①

30P	: 2, 6, 8, 12, BLANK PIN, 19, 23, 25, 29 pos. (9 POSITIONS)
34P	: 4, 8, 10, 14, BLANK PIN, 21, 25, 27, 31 pos. (9 POSITIONS)
40P	: 6, 8, 12, 14, 18, 23, 25, 29, 33, 35 pos. (10 POSITIONS)
50P	: 6, 8, 12, 14, 18, 22, BLANK PIN, 29, 33, 37, 39, 43, 45 pos. (13 POSITIONS)

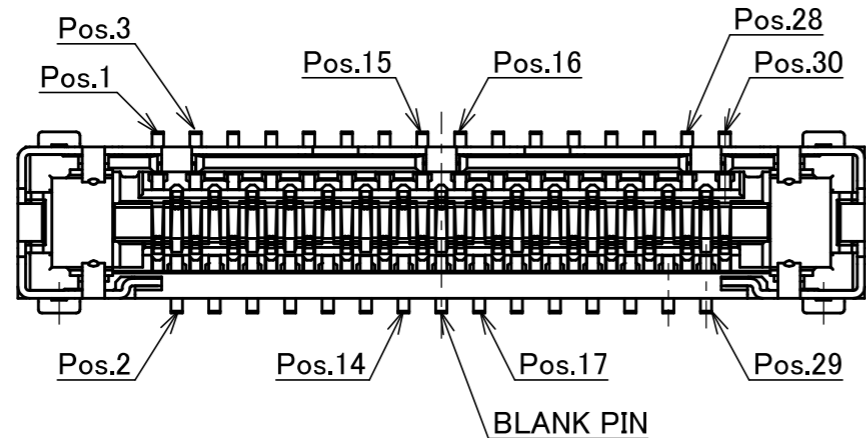
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
4	VACUUM CLIP	LCP	UL94V-0, BEIGE
3	SHELL	PHOSPHOR BRONZE	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
2	COTANCT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK



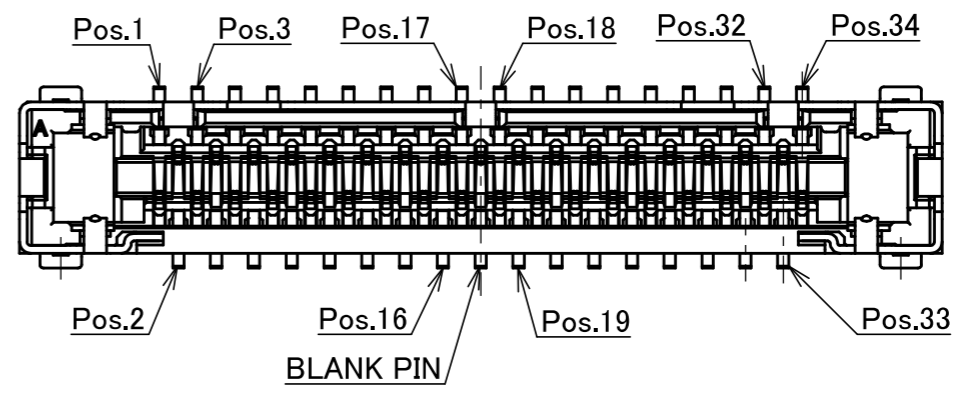
STATE OF VACUUM CLIP (S=5/1)

REV.	ECN	BY	DATE	APP.	DESCRIPTION	APPROVAL	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
17	Z241678	A.K	2024/11/29	H.I	ANGLE ±2° 6 OVER 30 MAX. ±0.3		PROJECTION	R7	CABLINER® -UX II RECEPTACLE ASSEMBLY	10:1	I-PEX	17
16	Z240985	A.K	2024/07/24	H.I	6 MAX. ±0.2 30 OVER 120 MAX. ±0.5					UNIT		
15	Z240044	RYO	2024/01/12	H.I	GENERAL TOLERANCE.					mm		
14	Z221348	A.K	2022/12/02	H.I	DWG. DATE	M.Takemoto 2010/07/08						
13	Z190765	A.K	2019/06/07	Y.S	CHK.	-						
12	Z190729	A.K	2019/05/31	H.I	APP.	-						
REVISION RECORD						E.Kawabe			DWG. No. 20533	A3	1/7	

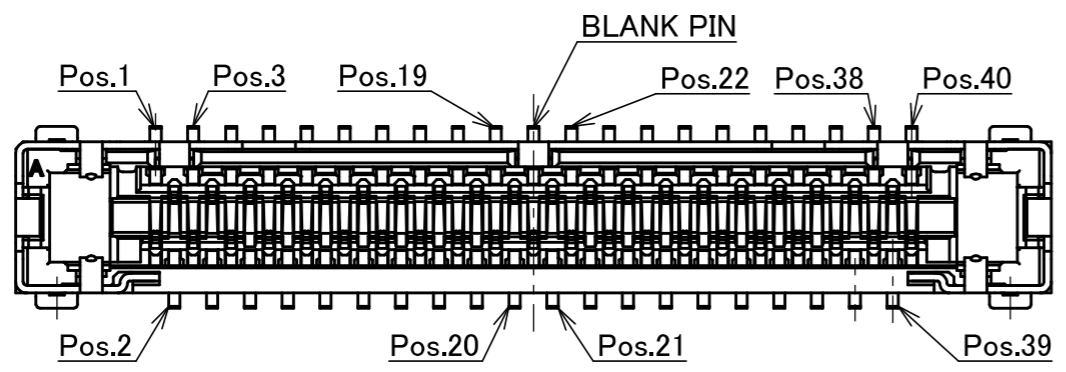
PART No.	Pos
20533-230E	30
20533-234E	34
20533-240E	40
20533-250E	50



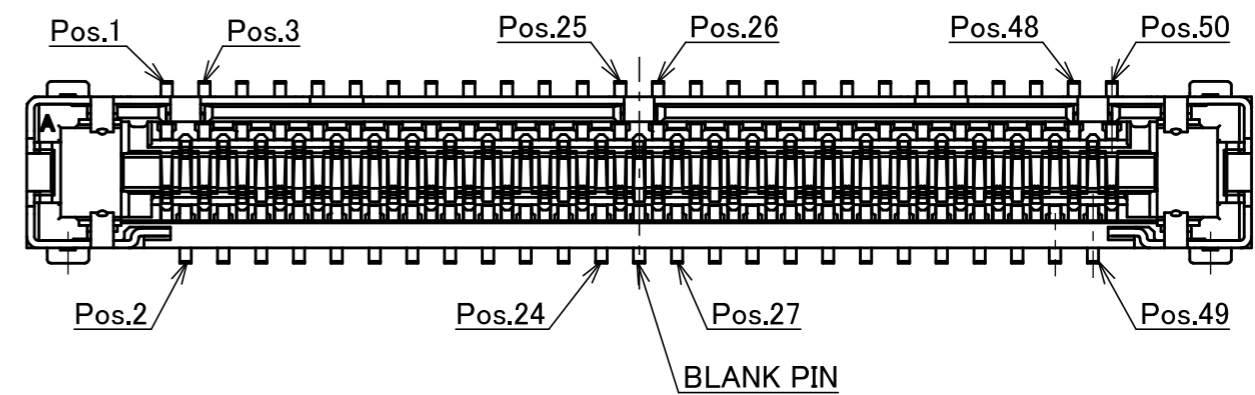
**30P CONTACT LAYOUT**  
(S=10/1)



**34P CONTACT LAYOUT**  
(S=10/1)



**40P CONTACT LAYOUT**  
(S=10/1)



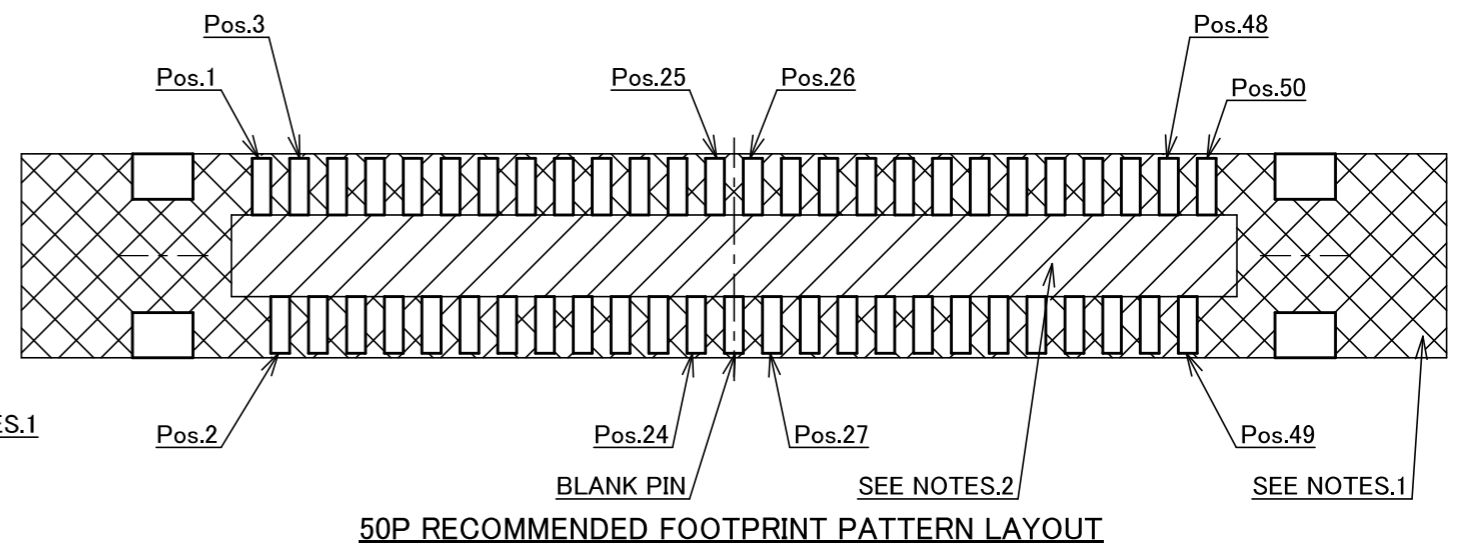
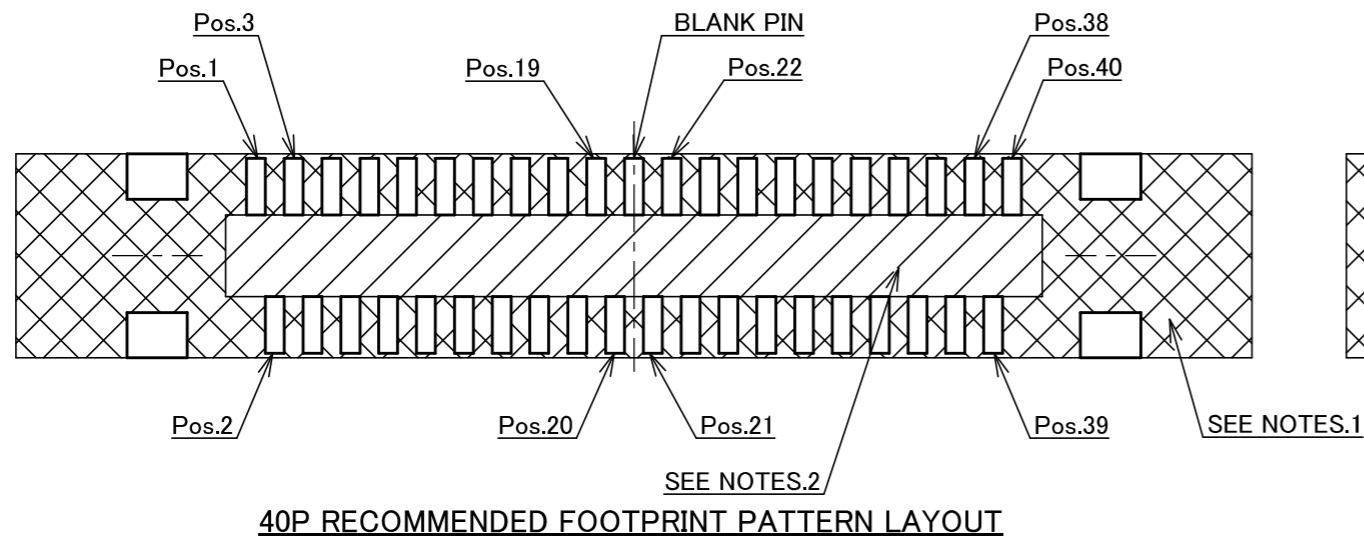
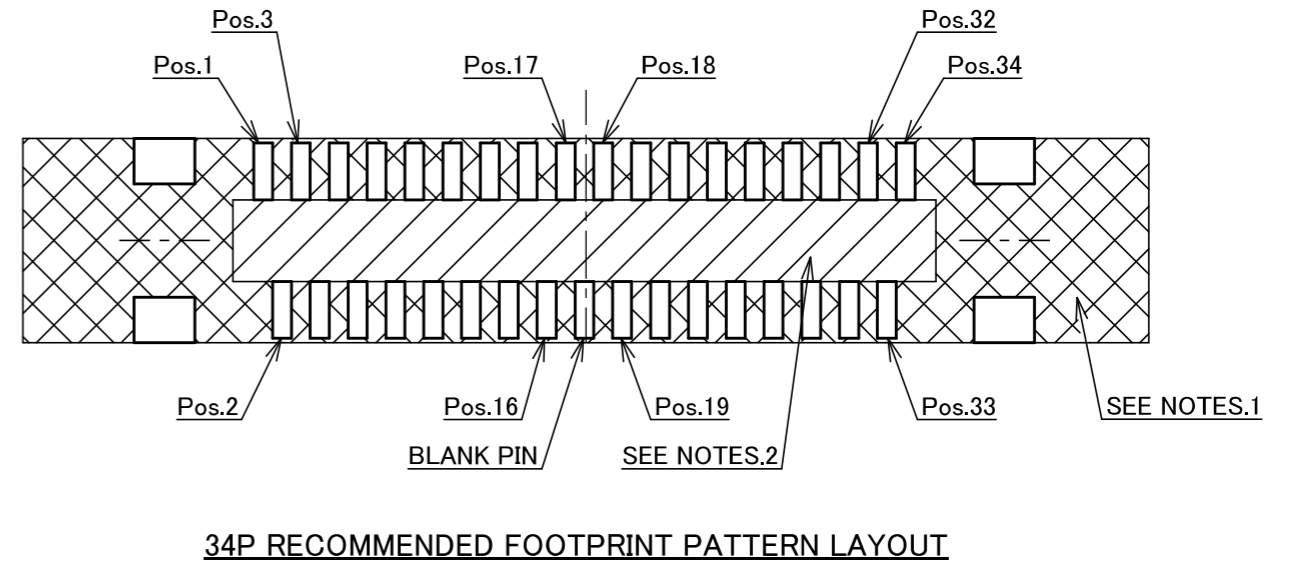
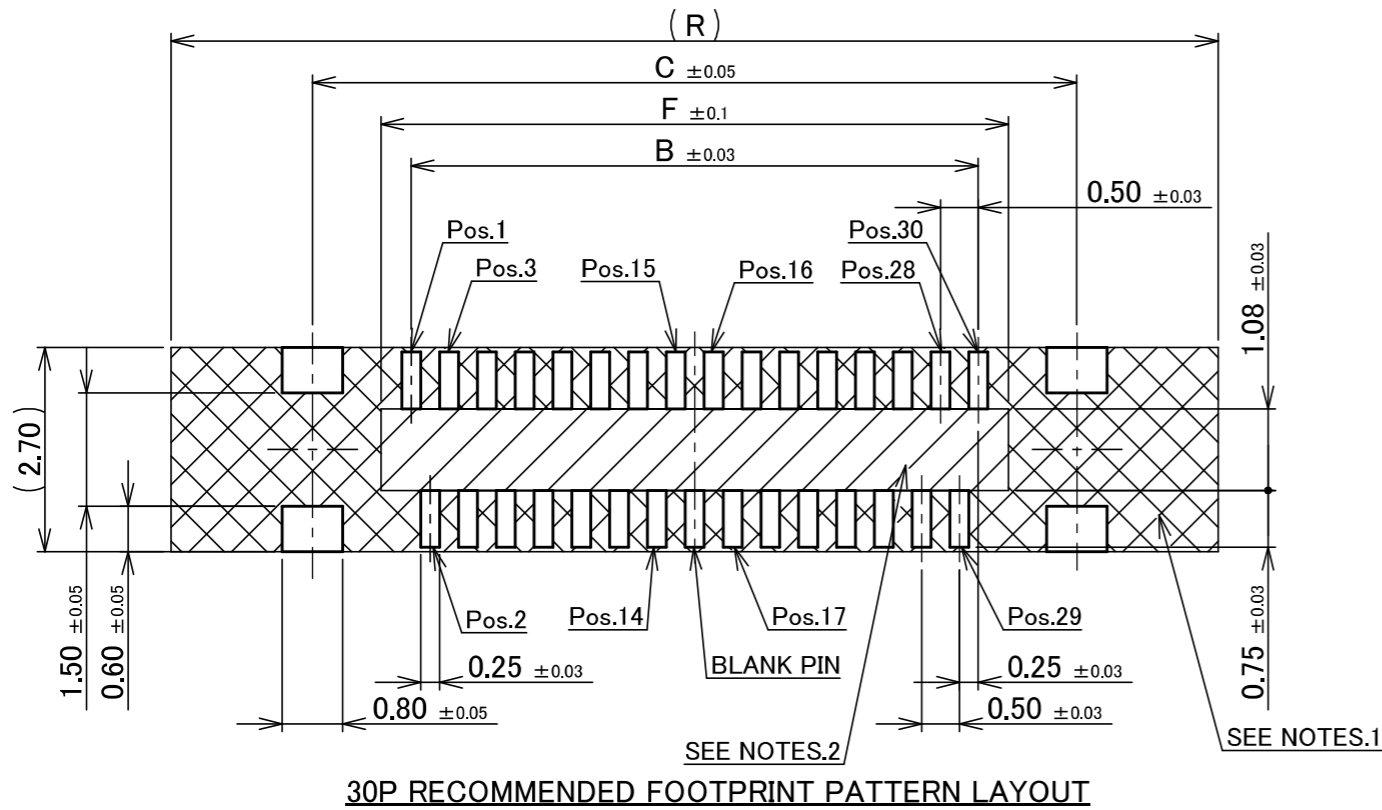
**50P CONTACT LAYOUT**  
(S=10/1)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R7	CUSTOMER COPY				
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5							
GENERAL TOLERANCE.				TITLE CABLIN <sup>®</sup> -UX II RECEPTACLE ASSEMBLY	SCALE 10:1	<b>I-PEX</b>				
DWG.	DATE							UNIT mm		
CHK.								SIZE A3	SHEET 2/7	REV. 17
APP.								DWG. No. 20533		

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 44 ,46 DISCRETE WIRE : AWG#39
RATING VOLTAGE	50V AC (PER CONTACT PIN) ※THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.
RATING AMPERAGE (FOR CONTACT)	0.50A AC/DC [AWG#39] (PER CONTACT PIN / UP TO 6 CONTACTS) 0.15A AC/DC [AWG#44] 0.10A AC/DC [AWG#46] ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY BE AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	75% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 450mohm MAX.(AWG#39) 1080mohm MAX.(AWG#44) 1880mohm MAX.(AWG#46) AFTER TEST : $\triangle$ 40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL : 100mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC100V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 26.4N MAX. 34P : 27.6N MAX. 40P : 29.4N MAX. 50P : 32.4N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.5N MIN. 34P : 1.9N MIN. 40P : 2.5N MIN. 50P : 3.5N MIN.
CABLE RETENTION FORCE	30P : 15.0N MIN. 34P : 17.0N MIN. 40P : 20.0N MIN. 50P : 25.0N MIN.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2887
TEST REPORT	TR-24028
INSTRUCTION MANUAL	HIM-10001
PACKING STANDARD	300-874
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	$\pm 0.3$	PROJECTION 	SERIES No. R7	CUSTOMER COPY		
	6 MAX.	$\pm 0.2$	30 OVER 120 MAX.			$\pm 0.5$	TITLE CABLIN <sup>®</sup> -UX II RECEPTACLE ASSEMBLY	SCALE 5:1
GENERAL TOLERANCE.						UNIT mm		
DWG.	DATE					SIZE A3	SHEET 3/7	REV. 17
CHK.								
APP.				DWG. No.	20533			

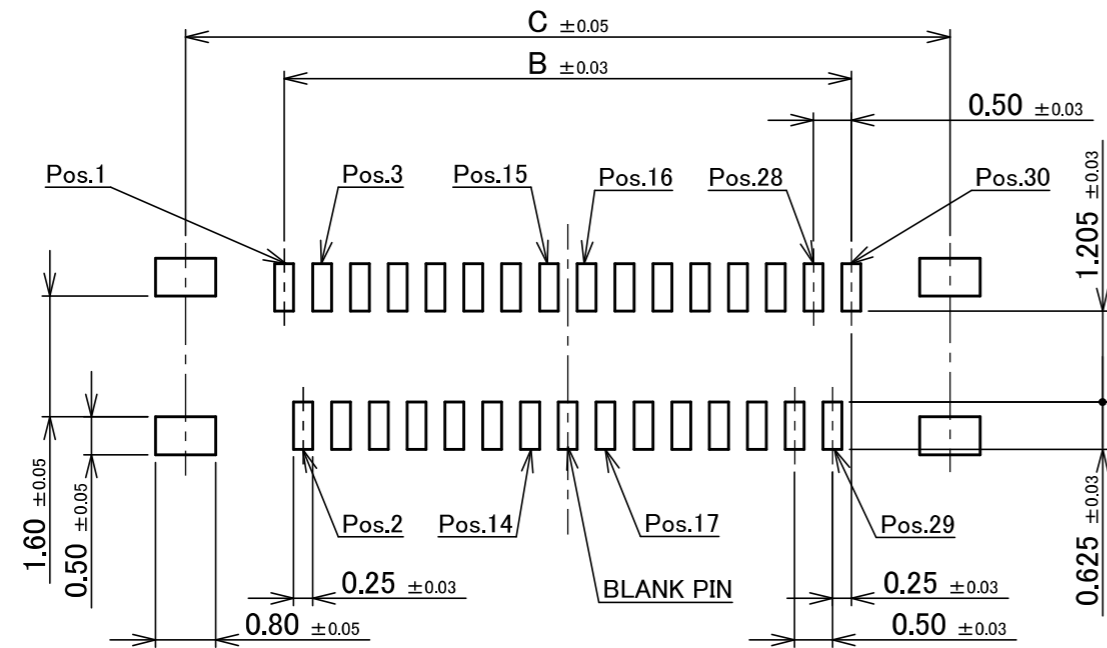
PART No.	Pos	B	C	F	R
20533-230E	30	7.50	10.11	8.30	13.85
20533-234E	34	8.50	11.11	9.30	14.85
20533-240E	40	10.00	12.61	10.80	16.35
20533-250E	50	12.50	15.11	13.30	18.85



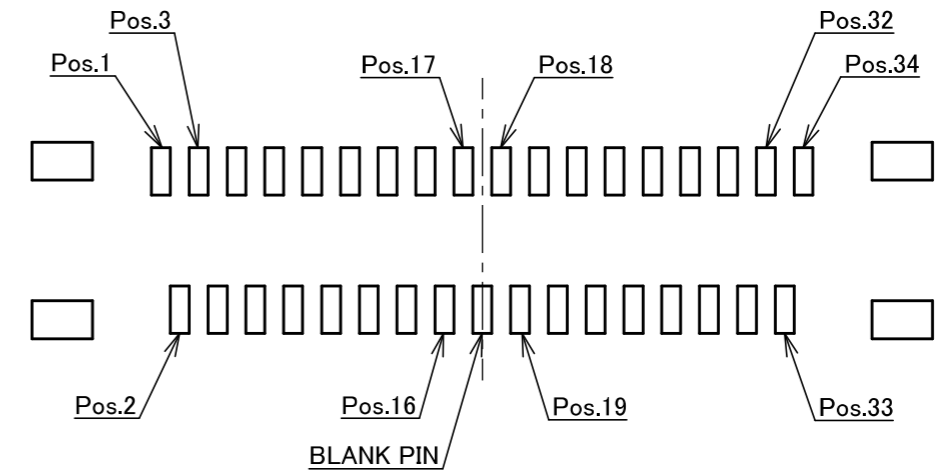
NOTES.  
 1. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.  
 2. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R7	CUSTOMER COPY				
	6 MAX.	±0.2	30 OVER 120 MAX.					±0.5		
GENERAL TOLERANCE.				TITLE CABLIN <sup>®</sup> -UX II RECEPTACLE ASSEMBLY	SCALE 10:1	<b>I-PEX</b>				
DWG.	DATE							UNIT mm		
CHK.								SIZE A3	SHEET 4/7	REV. 17
APP.								DWG. No. 20533		

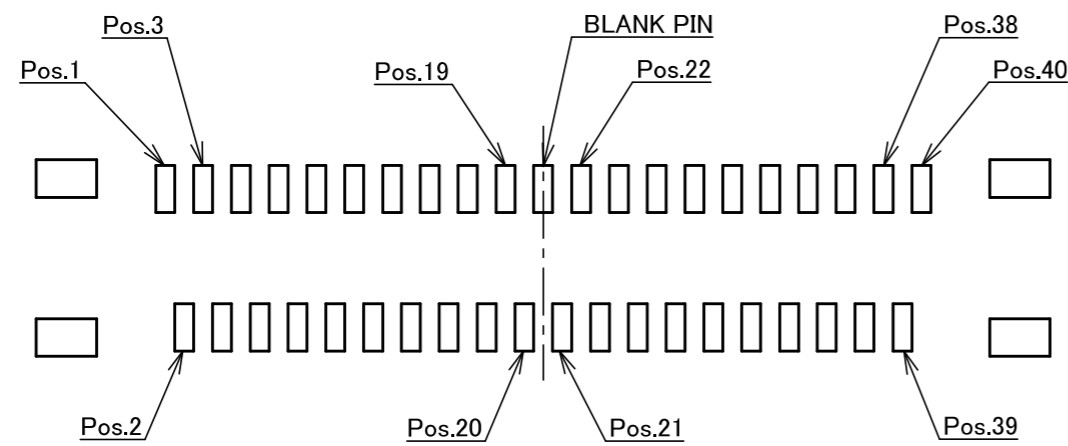
PART No.	Pos	B	C
20533-230E	30	7.50	10.11
20533-234E	34	8.50	11.11
20533-240E	40	10.00	12.61
20533-250E	50	12.50	15.11



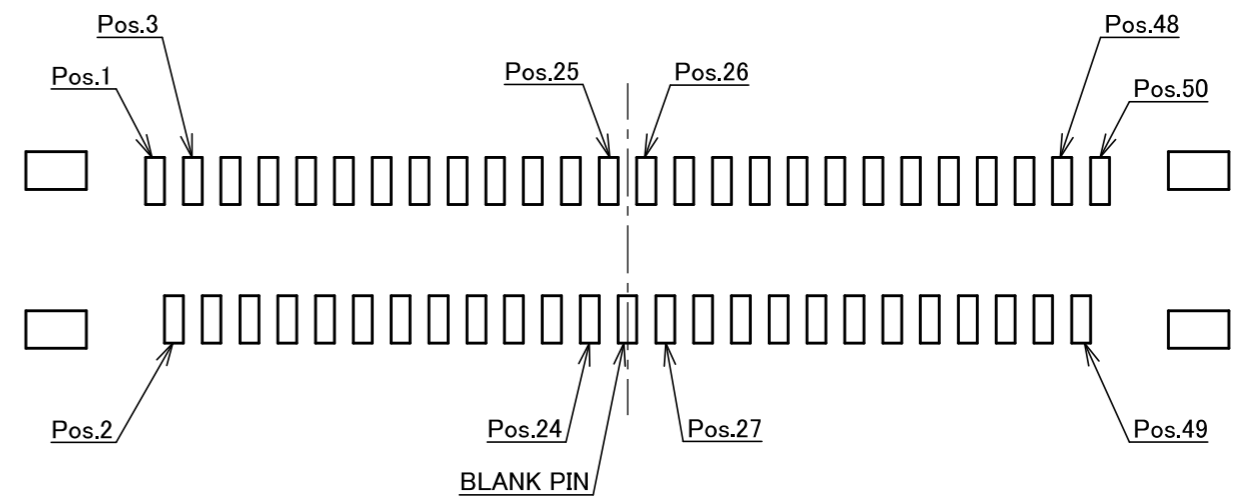
**30P RECOMMENDED METAL MASK LAYOUT**  
METAL MASK THICKNESS : t=0.12mm



**34P RECOMMENDED METAL MASK LAYOUT**  
METAL MASK THICKNESS : t=0.12mm

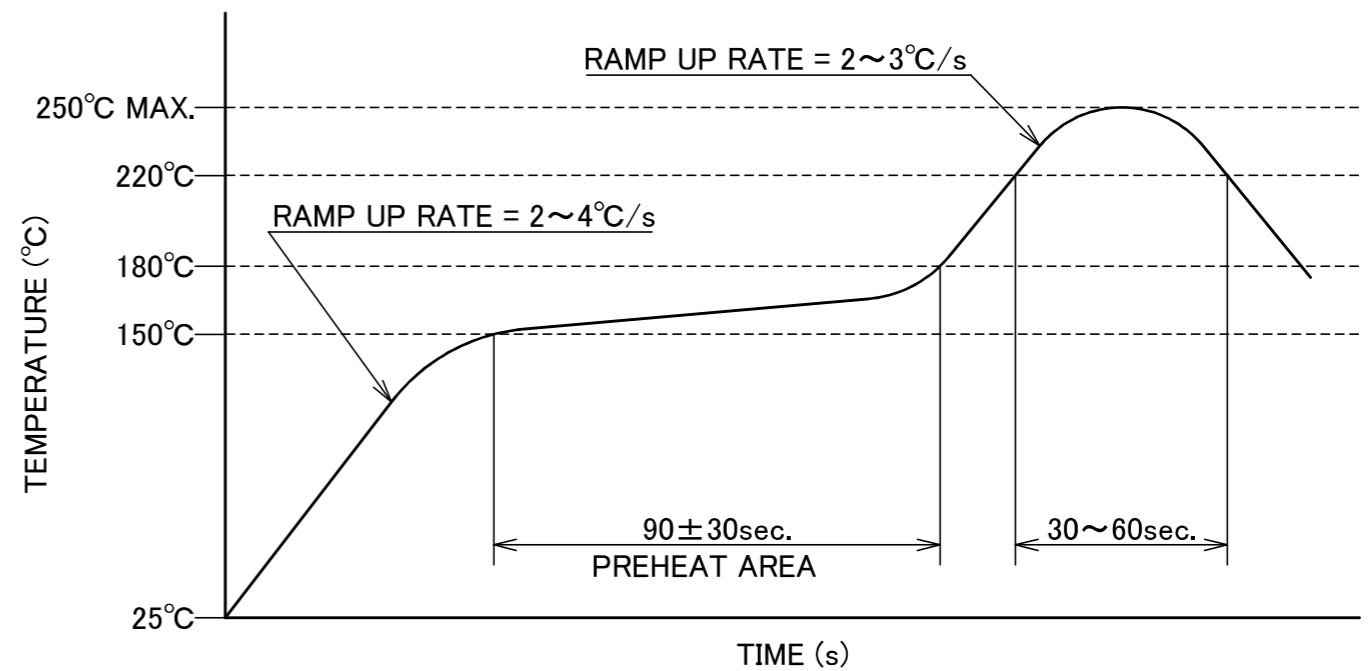
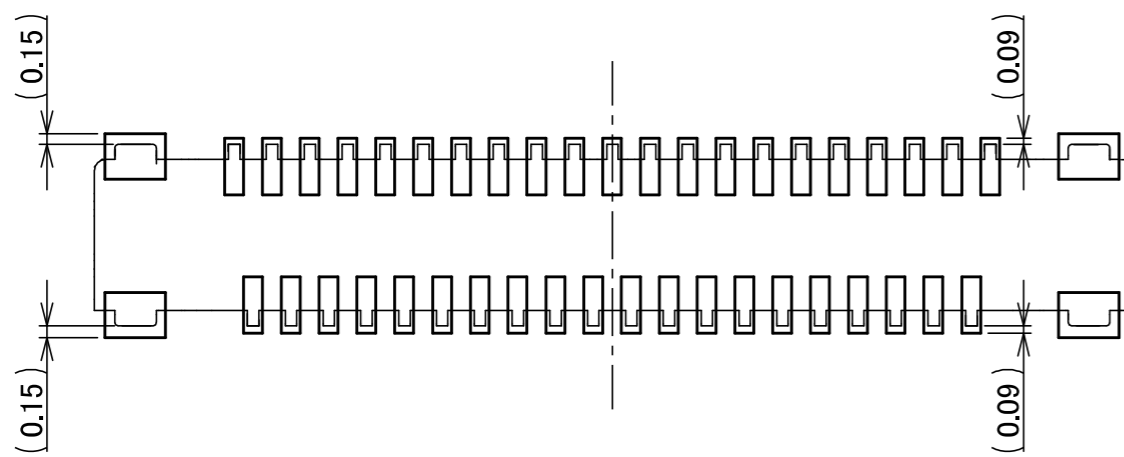


**40P RECOMMENDED METAL MASK LAYOUT**  
METAL MASK THICKNESS : t=0.12mm



**50P RECOMMENDED METAL MASK LAYOUT**  
METAL MASK THICKNESS : t=0.12mm

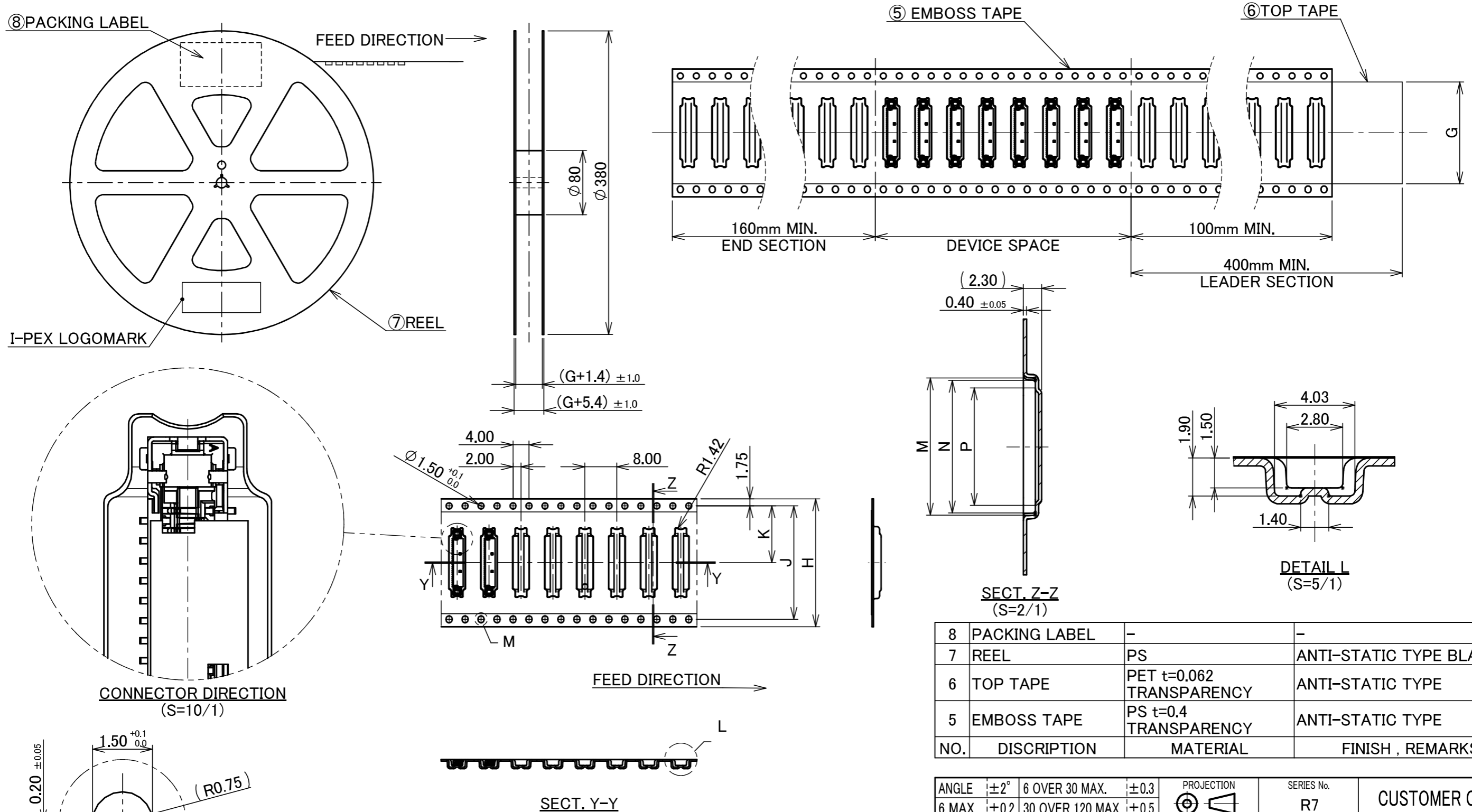
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R7	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE	<b>I-PEX</b>		
DWG.	DATE			CABLIN <sup>®</sup> -UX II RECEPTACLE ASSEMBLY		10:1			
CHK.						UNIT			
APP.				DWG. No. 20533		mm			
						SIZE	SHEET	REV.	
						A3	5/7	17	



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. R7	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLIN <sup>®</sup> -UX II RECEPTACLE ASSEMBLY	SCALE 5:1	UNIT <b>I-PEX</b>		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20533	SIZE A3	SHEET 6/7	REV. 17

PART No.	Pos.	G	H	J	K	M	N	P	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20533-230E	30	21.3	24.0	-	11.5	12.2	11.6	9.7	5000 / REEL	4 REELS / CARTON = 20000
20533-234E	34	21.3	24.0	-	11.5	13.2	12.6	10.7		
20533-240E	40	21.3	24.0	-	11.5	14.7	14.1	12.2		
20533-250E	50	25.5	32.0	28.4	14.2	17.2	16.6	14.7		



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

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
8	PACKING LABEL	-	-
7	REEL	PS	ANTI-STATIC TYPE BLACK
6	TOP TAPE	PET t=0.062 TRANSPARENCY	ANTI-STATIC TYPE
5	EMBOSS TAPE	PS t=0.4 TRANSPARENCY	ANTI-STATIC TYPE

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R7	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			CABLIN® -UX II RECEPTACLE ASSEMBLY		1:1			
CHK.						UNIT			
APP.						mm			
				DWG. No.	20533	SIZE	SHEET	REV.	
						A3	7/7	17	