

Recommended P/N 20474-0**E-12

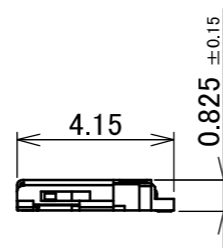
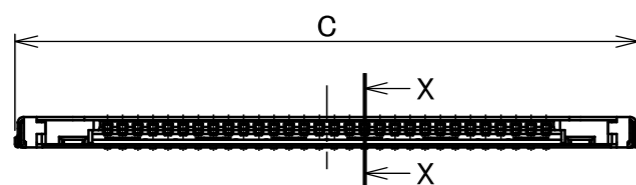
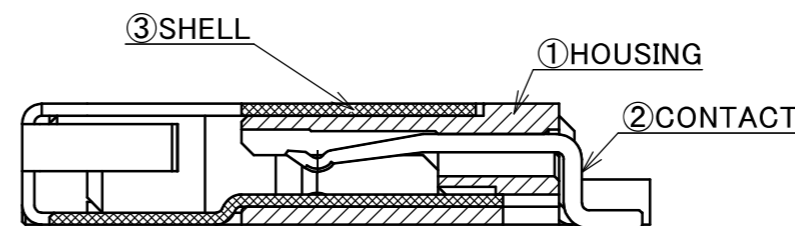
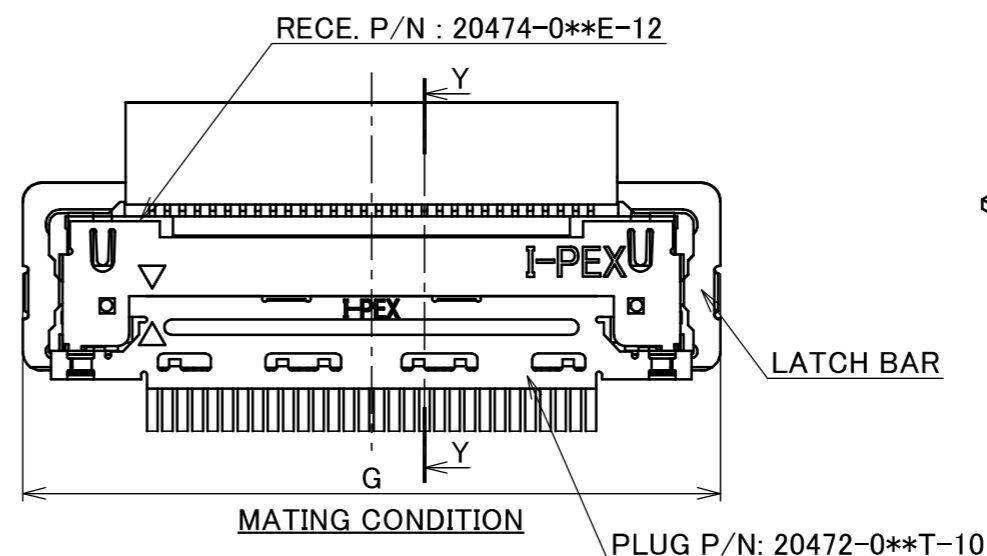
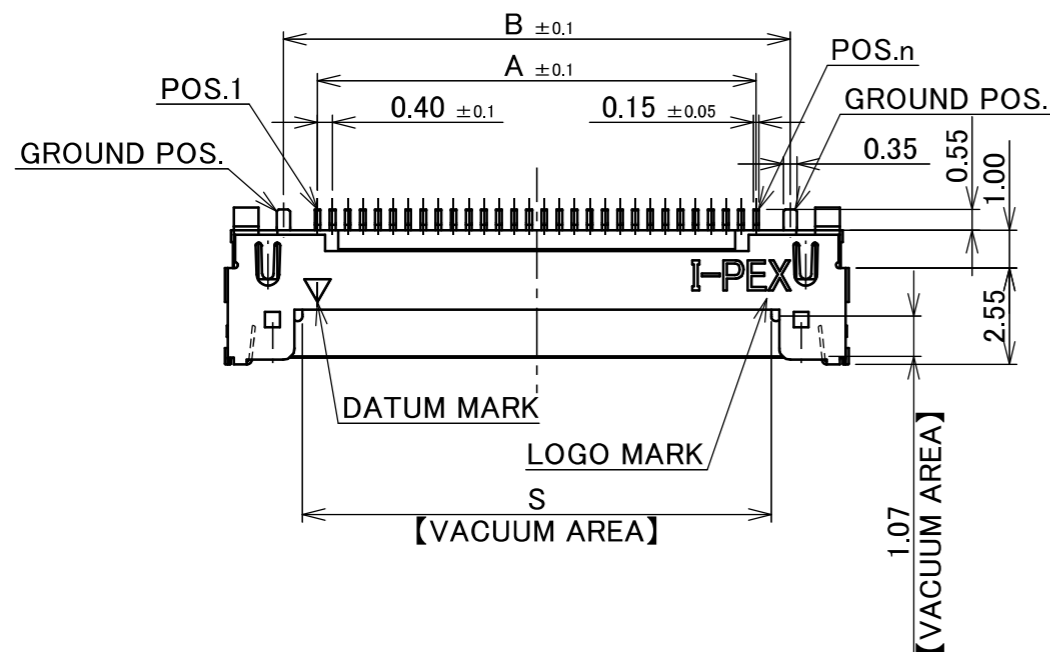
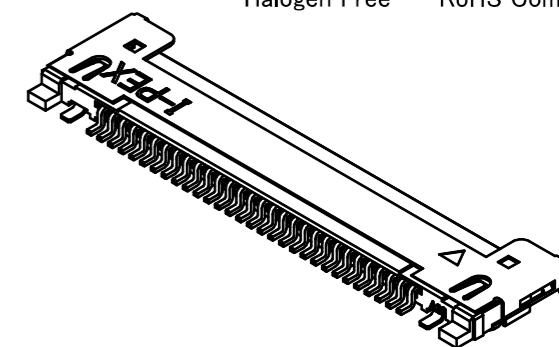
PART NO.	POS.	A	B	C	G	S
20474-030E-12	30	11.60	13.40	16.50	18.44	12.40
20474-040E-12	40	15.60	17.40	20.50	22.44	16.40



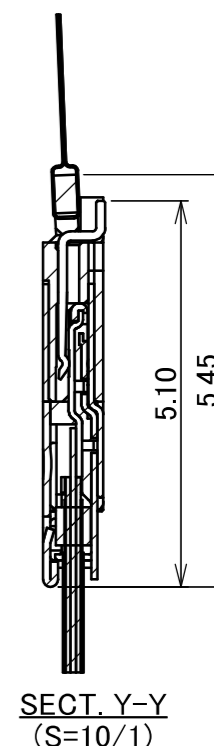
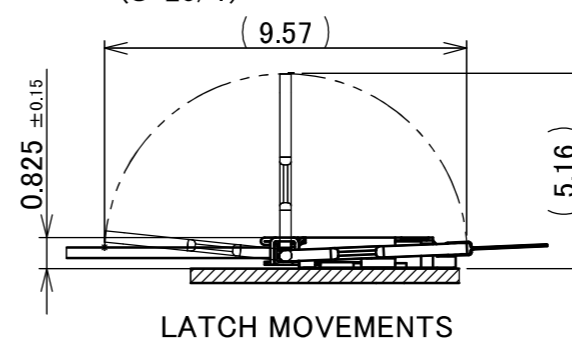
Halogen Free



RoHS Compliant



SECT. X-X (S=20/1)

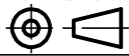


SECT. Y-Y (S=10/1)

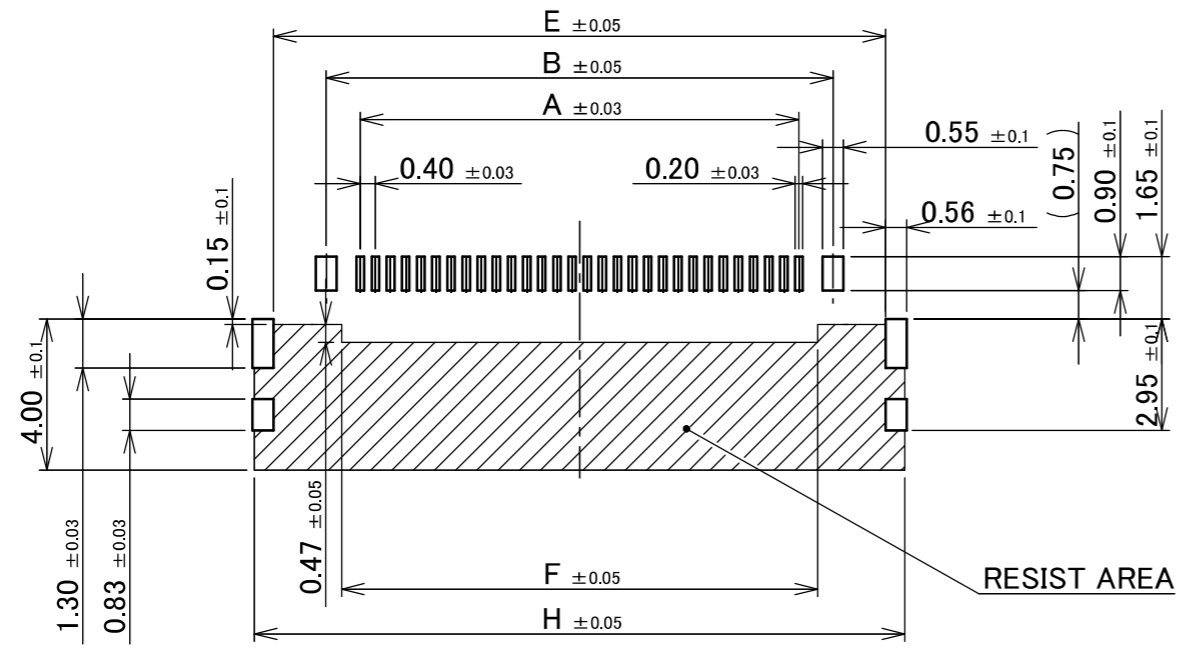
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
2	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
14	Z250302	K.S	Mar./03/'25	T.M	ANGLE	±2°	6 OVER 30 MAX.	±0.3		R5	5:1	A3	14
13	Z231029	H.U	Sept./26/'23	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
12	Z211210	R.M	Oct./04/'21	H.I	GENERAL TOLERANCE.				R5	CABLINE® -CBL RECEPTACLE ASSEMBLY	mm	1/5	14
11	Z200134	Y.Sasa	Jan./31/'20	H.I	DWG.	DATE							
10	Z180949	M.N	July/20/'18	Y.S	N.Hamauchi 2008/02/28								
9	Z161517	R.H	Dec./16/'16	K.N	CHK.	-			R5	CABLINE® -CBL RECEPTACLE ASSEMBLY	mm	1/5	14
REV.	ECN	BY	DATE	APP.	APP.	-							
REVISION RECORD					E.Kawabe			DWG. No.	20474				

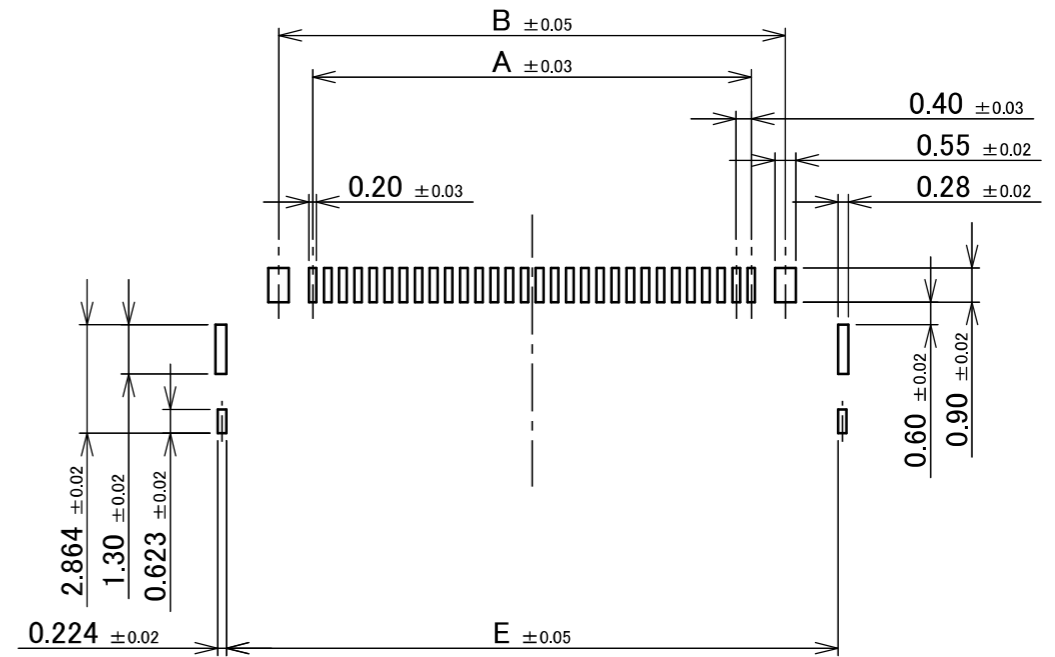
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 40, 42, 44 DISCRETE WIRE : AWG# 36
RATING VOLTAGE	100V AC (PER CONTACT PIN) ※THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT PIN 0.24A AC/DC [AWG#42] PER CONTACT PIN 0.3A AC/DC [AWG#40] PER CONTACT PIN 0.8A AC/DC [AWG#36] PER CONTACT PIN ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE	INITIAL : 275mohm MAX. (AWG#36)/ AFTER TEST : \triangle 40mohm MAX. 600mohm MAX. (AWG#40) 700mohm MAX. (AWG#42) 1080mohm MAX. (AWG#44)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 10N MAX. 40P : 12N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 3.0N MIN. 40P : 4.0N MIN.
CABLE RETENTION FORCE	30P : 14.70N MIN. 40P : 19.60N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1421
TEST REPORT	TR-08030
PACKING STANDARD	300-657
INSTRUCTION MANUAL	HIM-09002
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R5	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE CABLINER [®] -CBL RECEPTACLE ASSEMBLY	SCALE	I-PEX		
DWG.	DATE							
CHK.								
APP.								
DWG. No.	20474			SIZE	SHEET	REV.		
				A3	2/5	14		

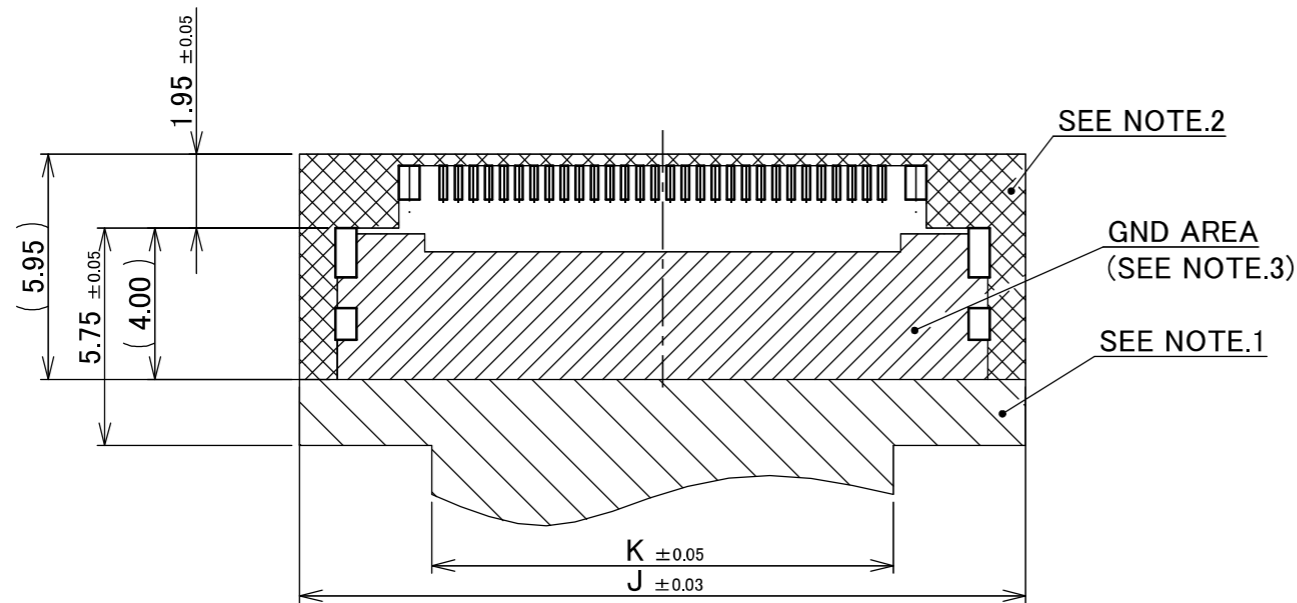
PART NO.	POS.	A	B	E	F	H	J	K
20474-030E-12	30	11.60	13.40	16.18	12.59	17.20	19.20	12.20
20474-040E-12	40	15.60	17.40	20.18	16.59	21.20	23.20	16.20



RECOMMENDED FOOTPRINT PATTERN



RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.1 mm

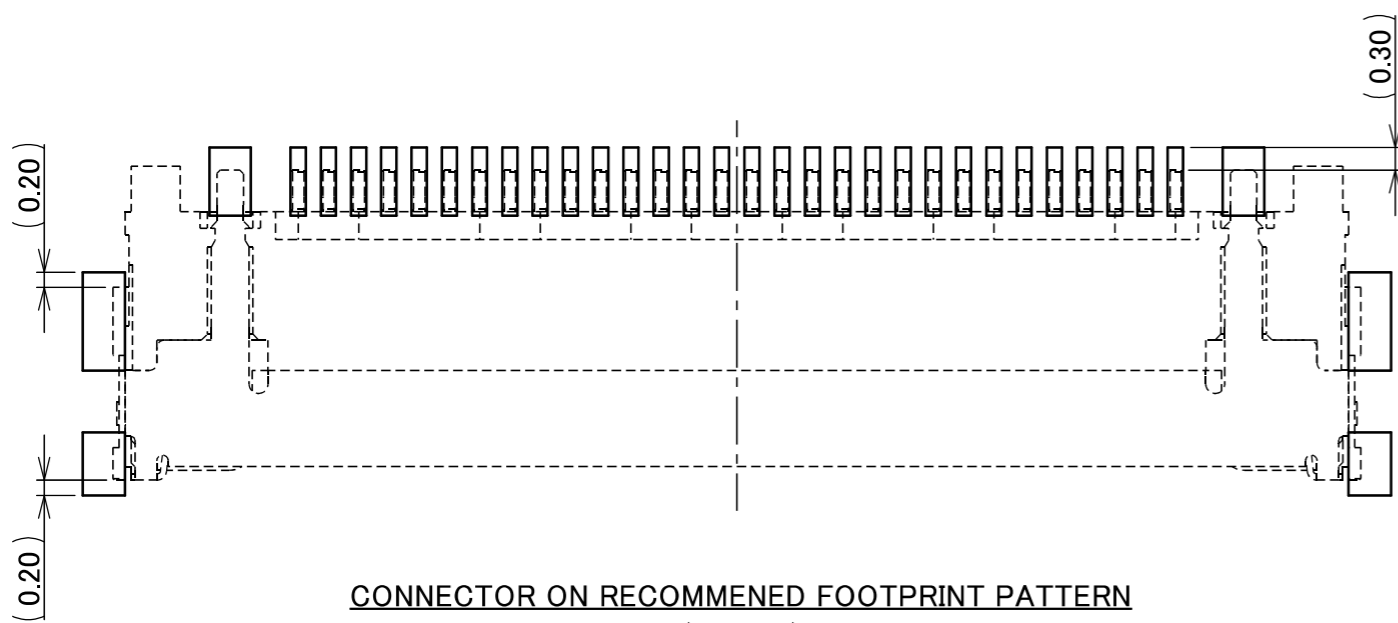


COMPONENTS PROHIBITED AREA

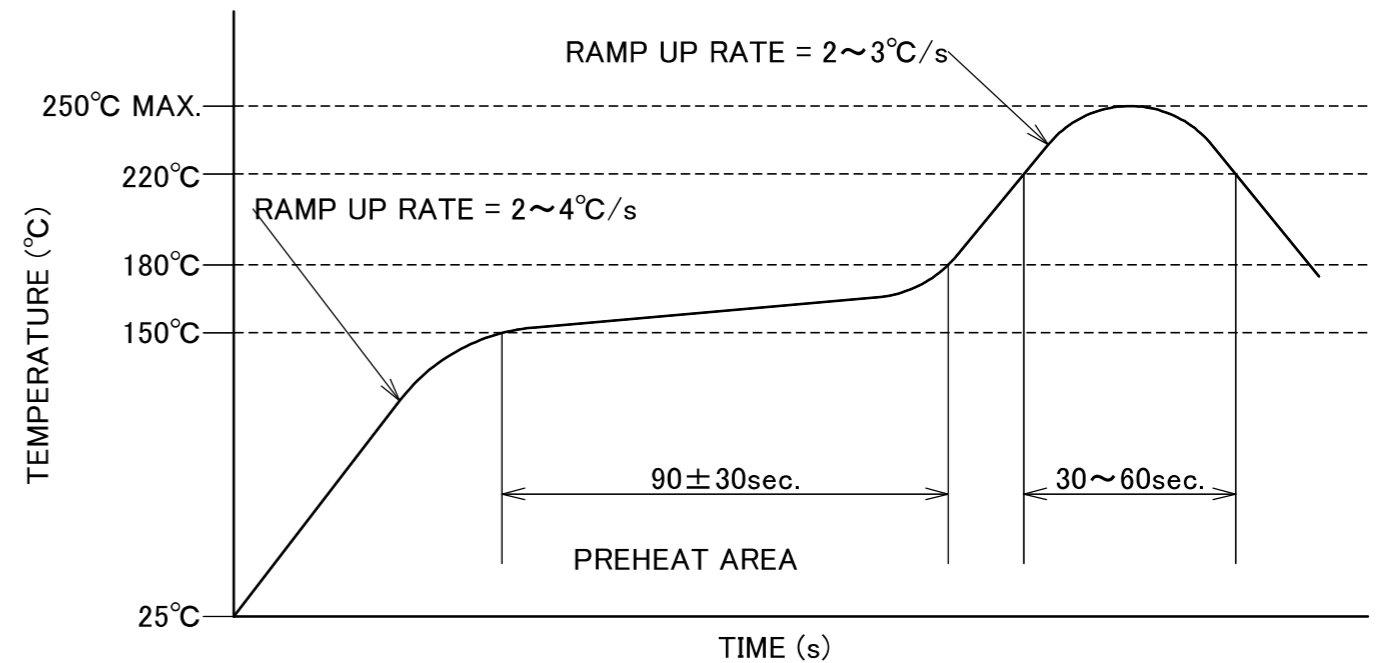
NOTES.

- DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
- IN CASE OF PLUG WITH LATCH BAR(20472-0**T-10), DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
- SODLER RESIST MUST BE APPLIED TO THIS AREA.

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		R5			
GENERAL TOLERANCE.				TITLE	SCALE	I-PEX			
DWG.	DATE			CABLIN [®] -CBL RECEPTACLE ASSEMBLY	5:1				
CHK.					UNIT				
APP.				DWG. No.	20474	SIZE	SHEET	REV.	
						A3	3/5	14	



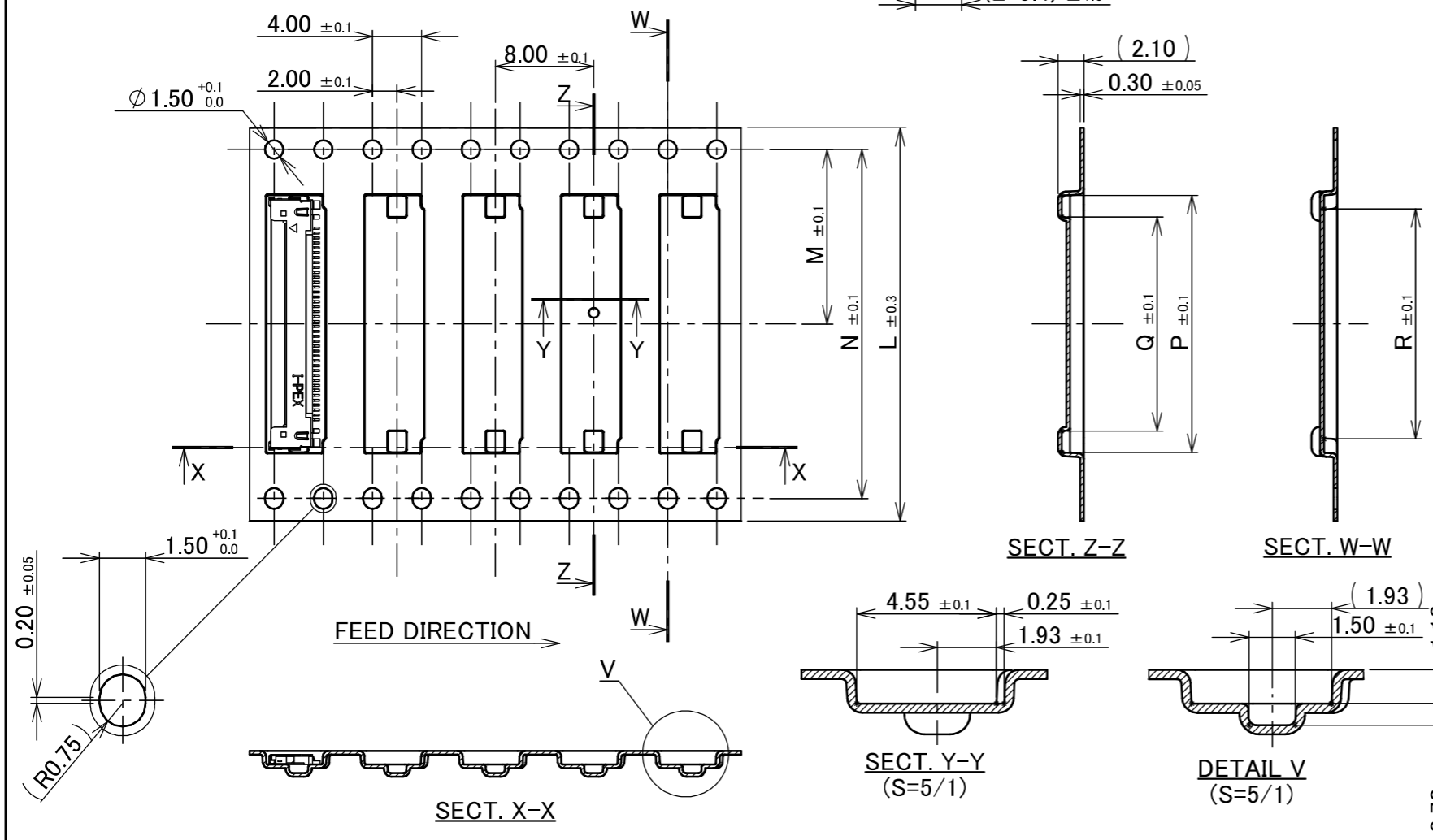
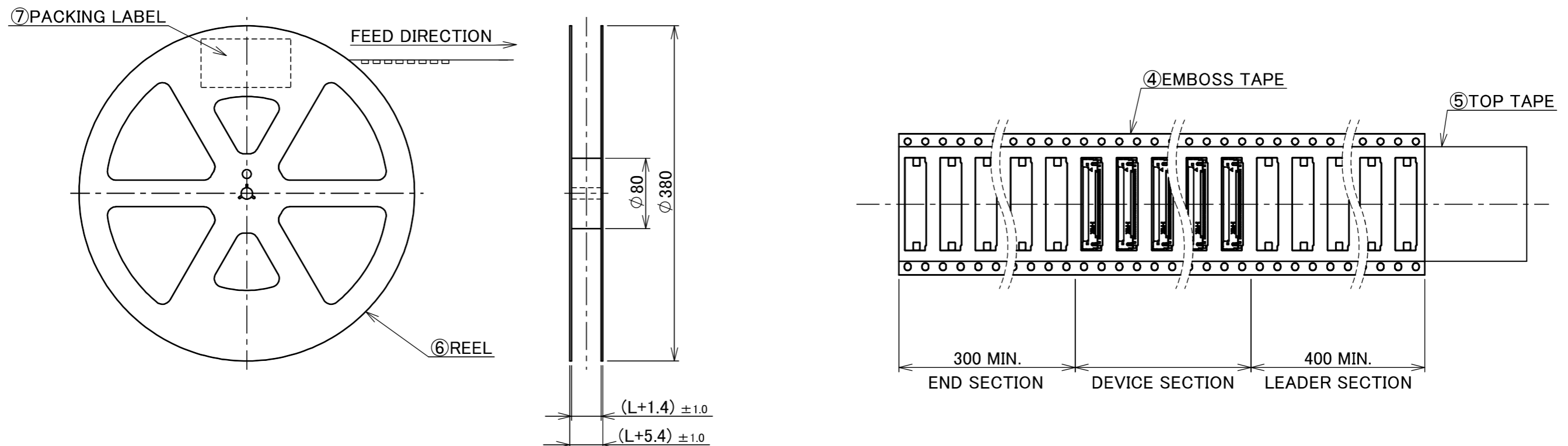
CONNECTOR ON RECOMMENED FOOTPRINT PATTERN
(S=10/1)



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. R5	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			CABLINER [®] -CBL RECEPTACLE ASSEMBLY		5:1			
CHK.						UNIT			
APP.						mm			
				DWG. No.	20474	SIZE	SHEET	REV.	
						A3	4/5	14	

PART NO.	L	M	N	P	Q	R	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20474-030E-12	24.00	11.50	-	16.90	13.40	14.70	5000 / REEL	5 / CARTON = 25000
20474-040E-12	32.00	14.20	28.40	20.90	17.40	18.70		4 / CARTON = 20000



- 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.

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
7	PACKING LABEL	-	-
6	REEL	PS	ANTI-STATIC TYPE BLACK
5	TOP TAPE	PET $t=0.062$ TRANSPARENCY	ANTI-STATIC TYPE
4	EMBOSS TAPE	PS $t=0.3$ TRANSPARENCY	ANTI-STATIC TYPE

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R5	CUSTOMER COPY
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5			
GENERAL TOLERANCE.				TITLE CABLIN [®] -CBL RECEPTACLE ASSEMBLY	SCALE 2:1	UNIT mm
DWG.	DATE		DWG. No. 20474			
CHK.						
APP.						
				SIZE A3	SHEET 5/5	REV. 14