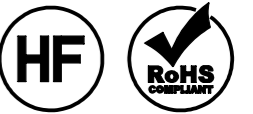


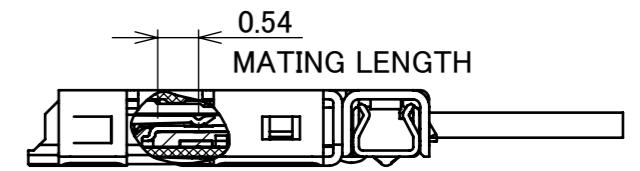
Recommended P/N 20525-2**E-02

PART NO.	POS.	A	B	C	D
20525-#10E-02	10	5.40	3.60	8.43	9.20
20525-#12E-02	12	6.20	4.40	9.23	10.00
20525-#20E-02	20	9.40	7.60	12.43	13.20
20525-#30E-02	30	13.40	11.60	16.43	17.20
20525-#40E-02	40	17.40	15.60	20.43	21.20
20525-#50E-02	50	21.40	19.60	24.43	25.20
20525-#60E-02	60	25.40	23.60	28.43	29.20

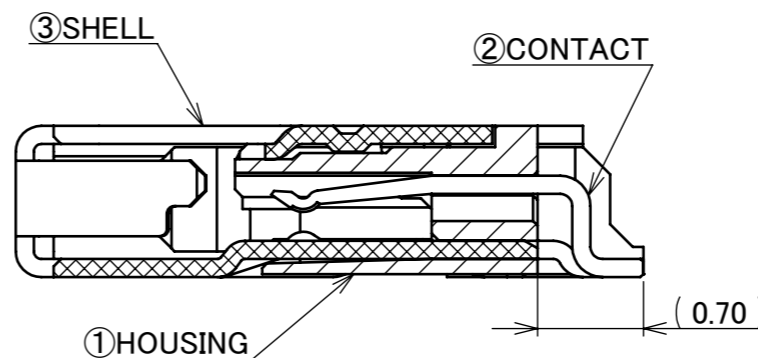
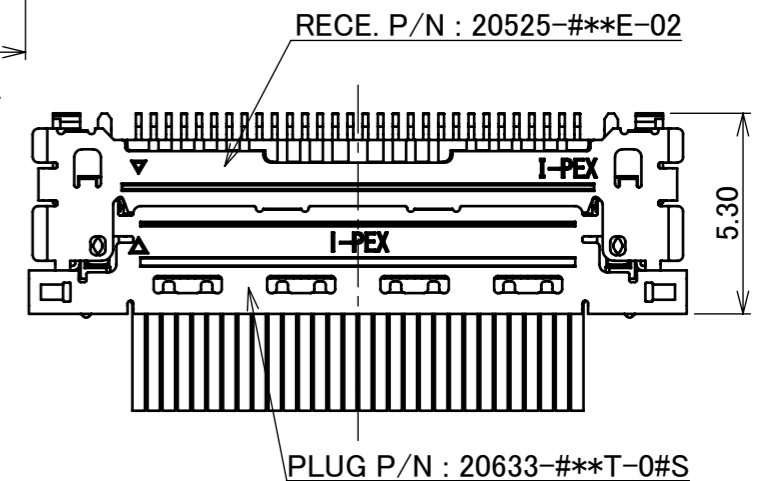
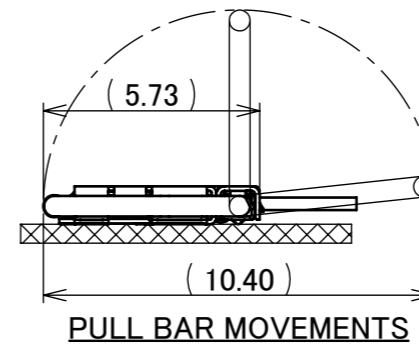
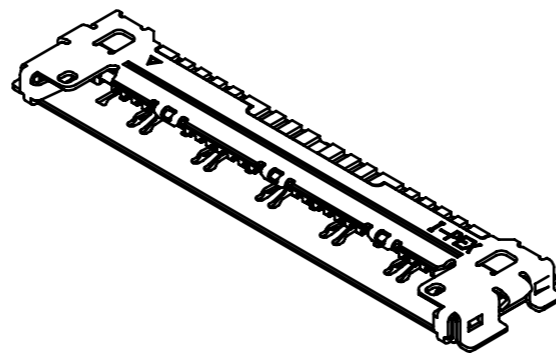
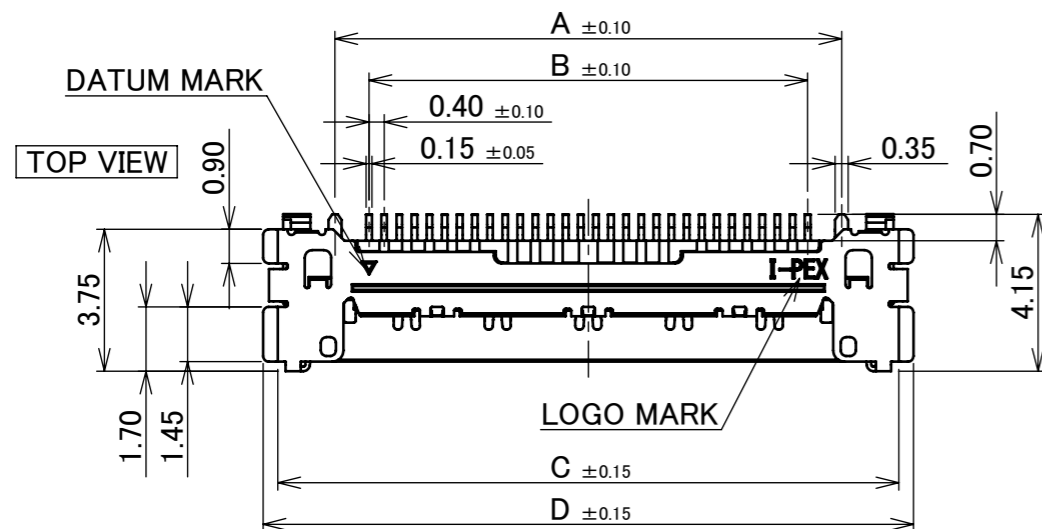
PATENT REGISTERED



P/N : 20525- # ** E- 0 2
 POS. SEE TABLE 1



MATING CONDITION



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

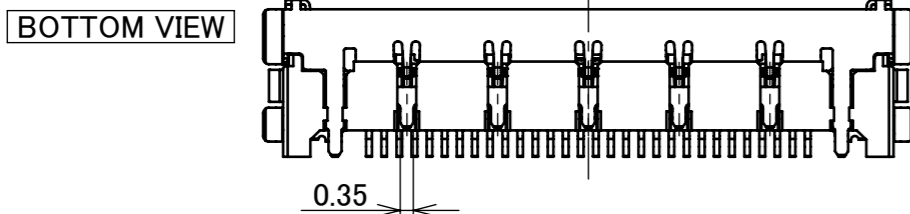
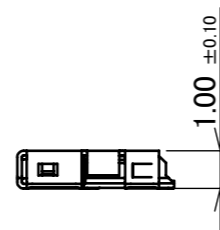


TABLE.1

PART NO.	CONTACT FINISH	SHELL FINISH
20525-0**E-02	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.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20525-2**E-02	CONTACT AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.02 μm MIN.

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE TABLE 1
2	CONTACT	PHOSPHOR BRONZE	SEE TABLE 1
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.	APP.	DATE	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
24	Z201150	T.Ono	Nov./05/'20	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3	CABLINER [®] -CA RECE. ASSY	5:1	A3	24
23	Z200341	Y.Sasa	Mar./24/'20	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5				
22	Z200258	Y.Sasa	Mar./05/'20	H.I	GENERAL TOLERANCE.							
21	Z181387	K.Hara	Oct./26/'18	Y.S	DWG.		DATE	2009/11/13				
20	Z181125	M.N	Aug./29/'18	Y.S	CHK.	T.Kurachi	DATE	2009/11/16				
19	Z180930	M.N	July/17/'18	H.I	CHK.	Y.Hashimoto	DATE	2009/11/18				
REV.	ECN	BY	DATE	APP.	APP.		DWG. No.	20525				

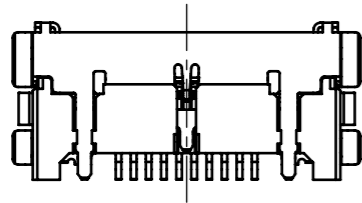
REVISION RECORD

PART NO.
20525-***E-02

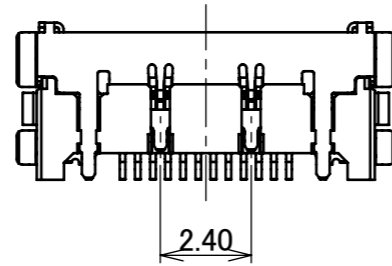
BOTTOM VIEW

PATENT REGISTERED

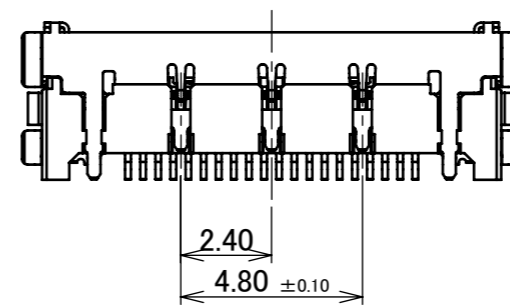
10P



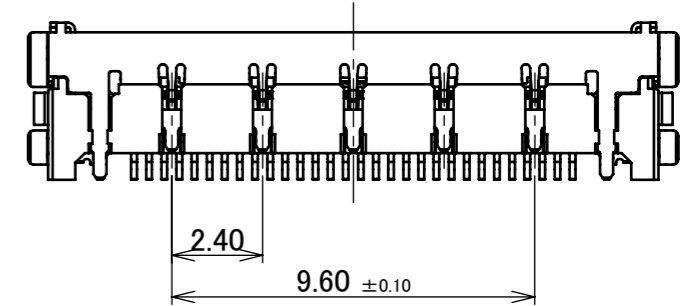
12P



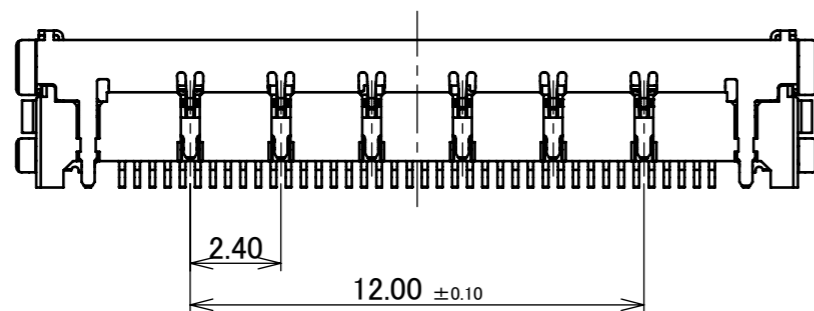
20P



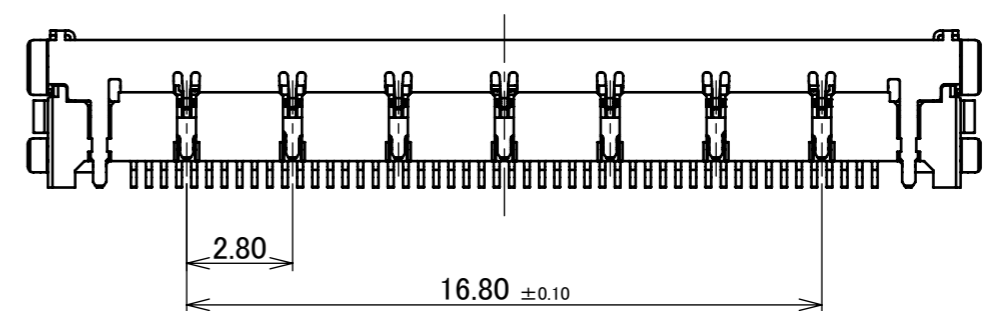
30P



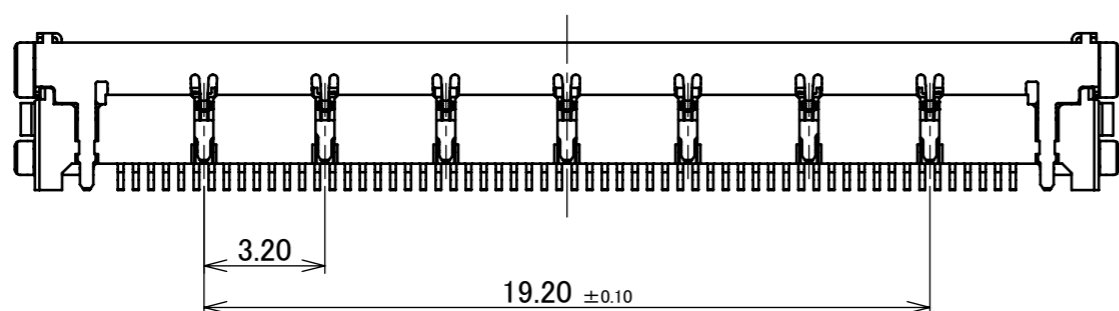
40P



50P



60P



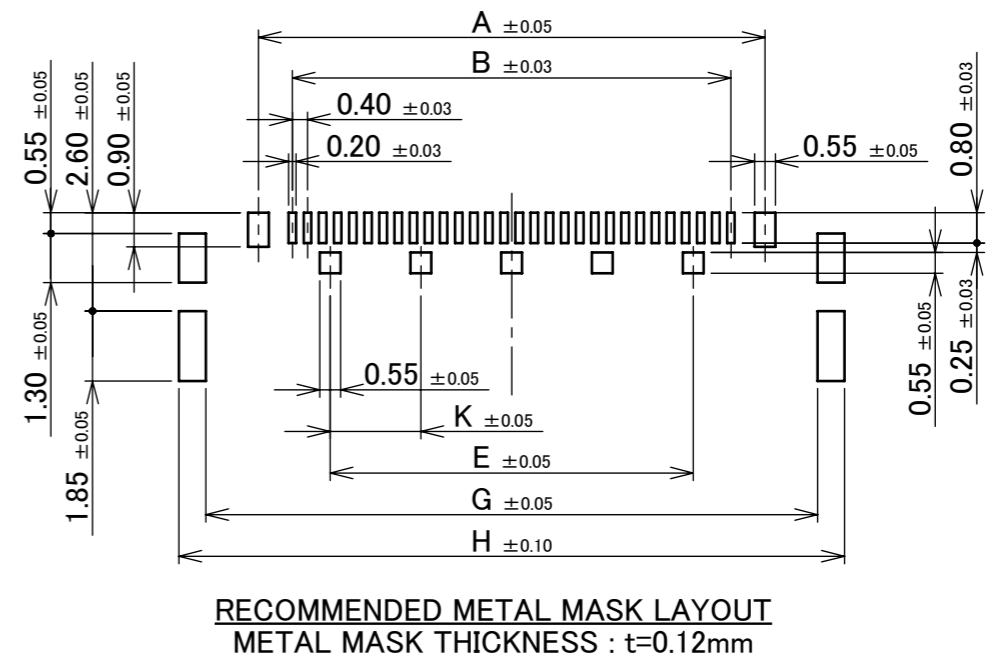
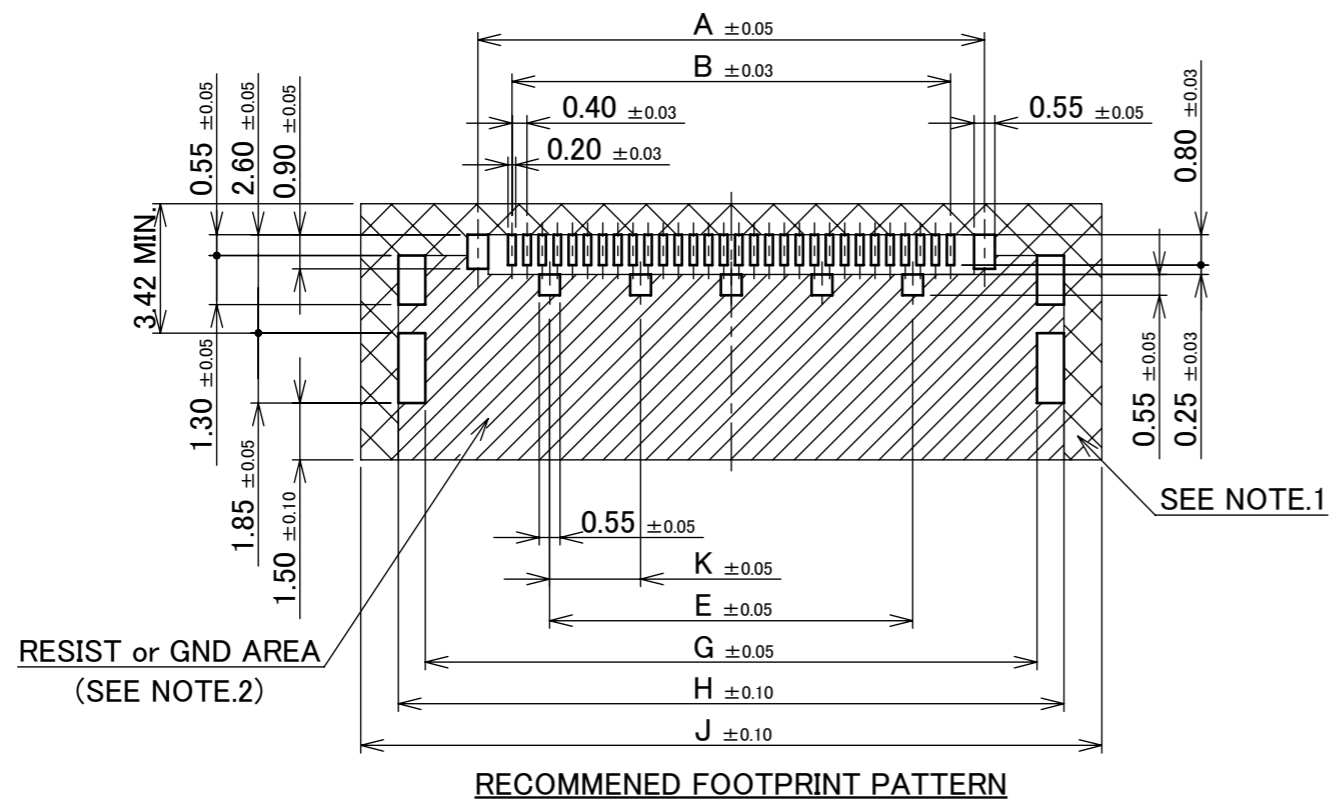
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R7	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINÉ® -CA RECE. ASSY	SCALE 5:1	UNIT I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20525	SIZE A3	SHEET 2/6	REV. 24

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE : AWG# 36, 34 TWINCOAX : AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT/UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT/UP TO 50 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT/UP TO 40 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT/UP TO 14 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT/UP TO 6 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT/UP TO 4 CONTACTS ※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. (NON-CONDENDING)
CONTACT RESISTANCE	INITIAL : 180mohm MAX. (AWG#34) / AFTER TEST : \triangle 40mohm MAX. 275mohm MAX. (AWG#36) 360mohm MAX. (AWG#38) 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 30 CYCLES)	10P : 7.80N MAX. 40P : 19.40N MAX. 12P : 8.20N MAX. 50P : 24.25N MAX. 20P : 9.70N MAX. 60P : 29.10N MAX. 30P : 14.55N MAX.
UNMATING FORCE (INITIAL / AFTER 30 CYCLES)	10P : 1.00N MIN. 40P : 4.00N MIN. 12P : 1.20N MIN. 50P : 5.00N MIN. 20P : 2.00N MIN. 60P : 6.00N MIN. 30P : 3.00N MIN.
CABLE RETENTION FORCE	10P : 4.90N MIN. 40P : 19.60N MIN. 12P : 5.88N MIN. 50P : 24.50N MIN. 20P : 9.80N MIN. 60P : 29.40N MIN. 30P : 14.70N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1968
TEST REPORT	TR-14122 (20525-0**E-0#) / TR-16023 (20525-2**E-0#)
PACKING STANDARD	300-824
INSTRUCTION MANUAL	HIM-09008
ASSEMBLY MANUAL	ASM-09005
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	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 [®] -CA RECE. ASSY	SCALE 5:1 UNIT mm	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20525	SIZE A3	SHEET 3/6	REV. 24

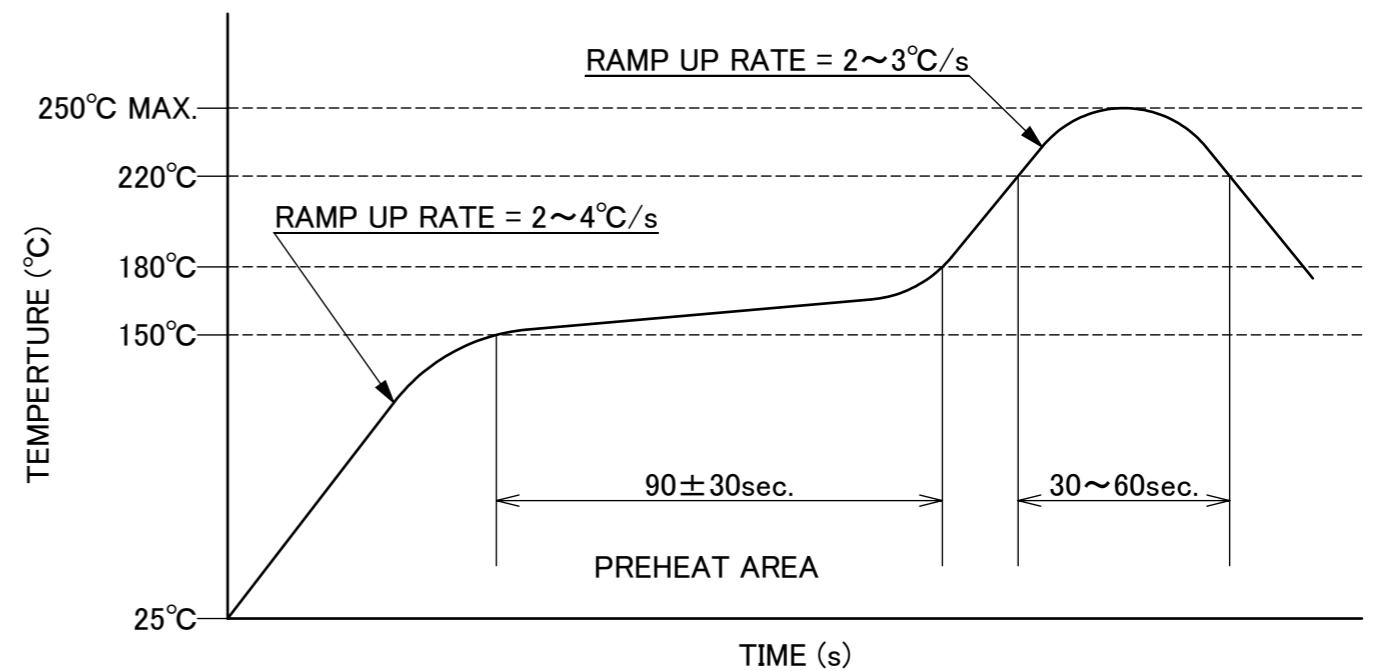
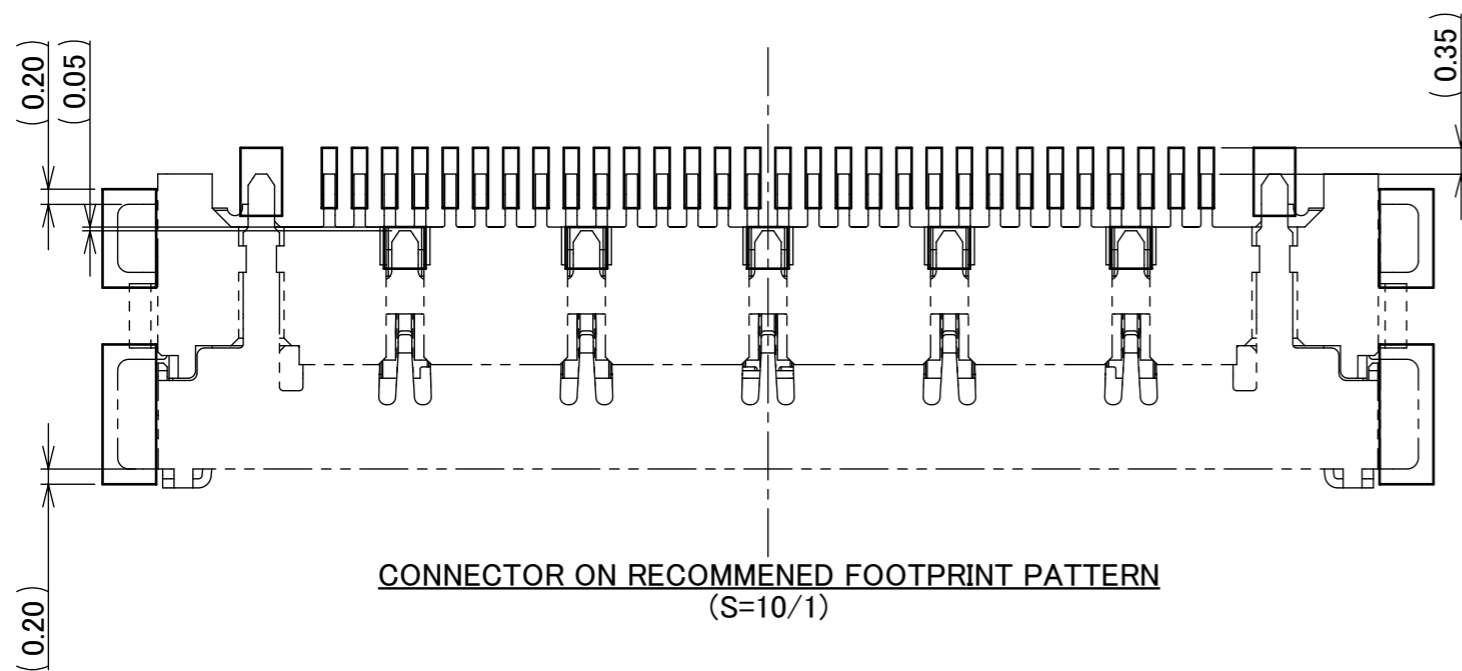
PART NO.	POS.	A	B	E	G	H	J	K
20525-#10E-02	10	5.40	3.60	-	8.18	9.60	11.60	-
20525-#12E-02	12	6.20	4.40	2.40	8.98	10.40	12.40	-
20525-#20E-02	20	9.40	7.60	4.80	12.18	13.60	15.60	2.40
20525-#30E-02	30	13.40	11.60	9.60	16.18	17.60	19.60	2.40
20525-#40E-02	40	17.40	15.60	12.00	20.18	21.60	23.60	2.40
20525-#50E-02	50	21.40	19.60	16.80	24.18	25.60	27.60	2.80
20525-#60E-02	60	25.40	23.60	19.20	28.18	29.60	31.60	3.20

PATENT REGISTERED



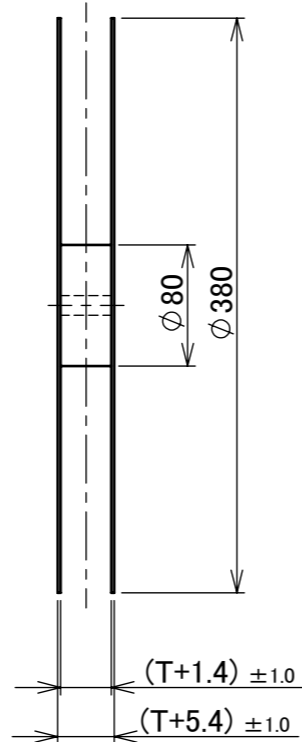
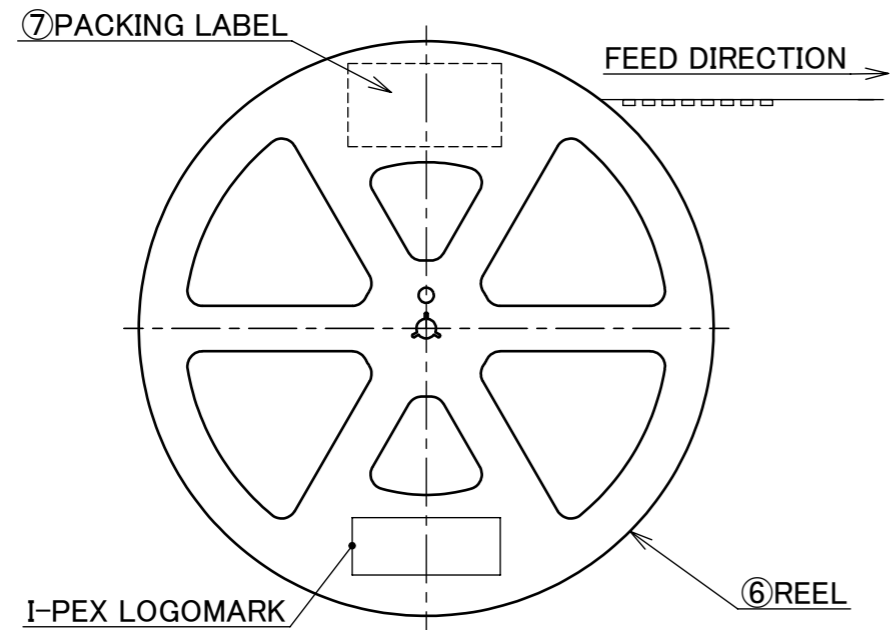
- NOTES.
1. IN CASE OF PLUG WITH PULL BAR(20633-***T-01S), THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.
 2. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.

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 [®] -CA RECE. ASSY	SCALE 5:1	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20525	SIZE A3	SHEET 4/6	REV. 24

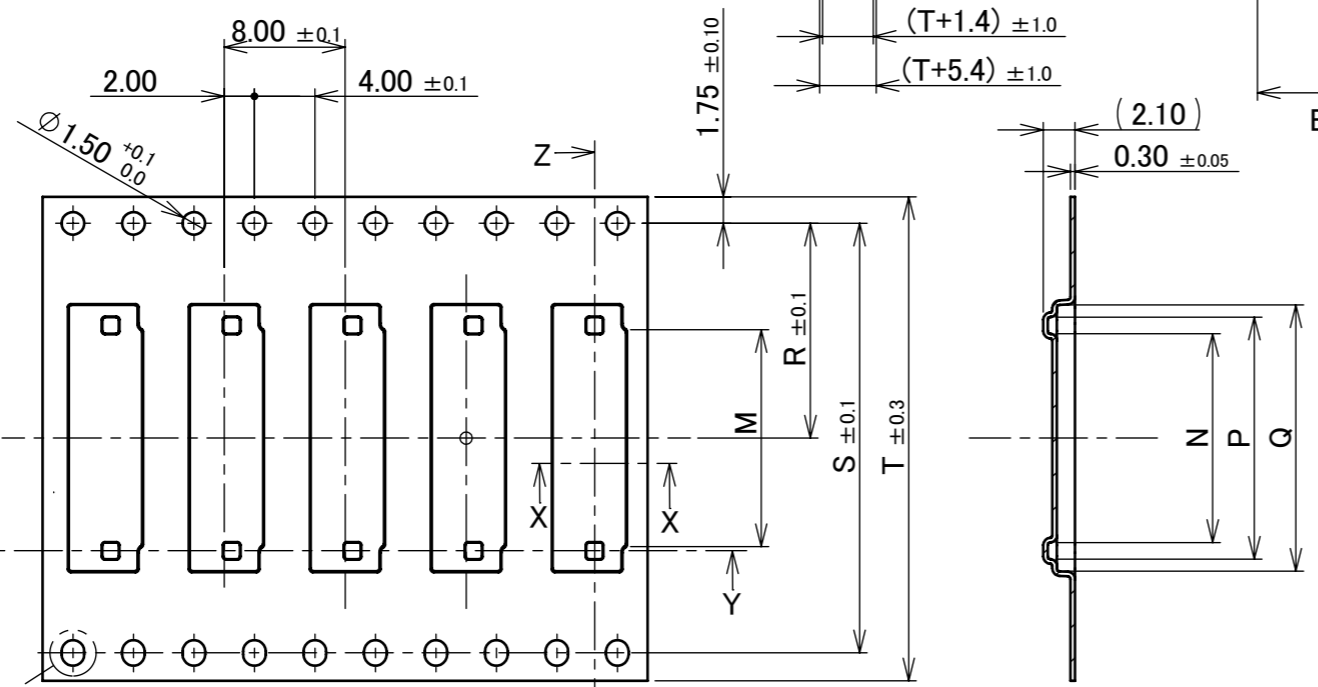
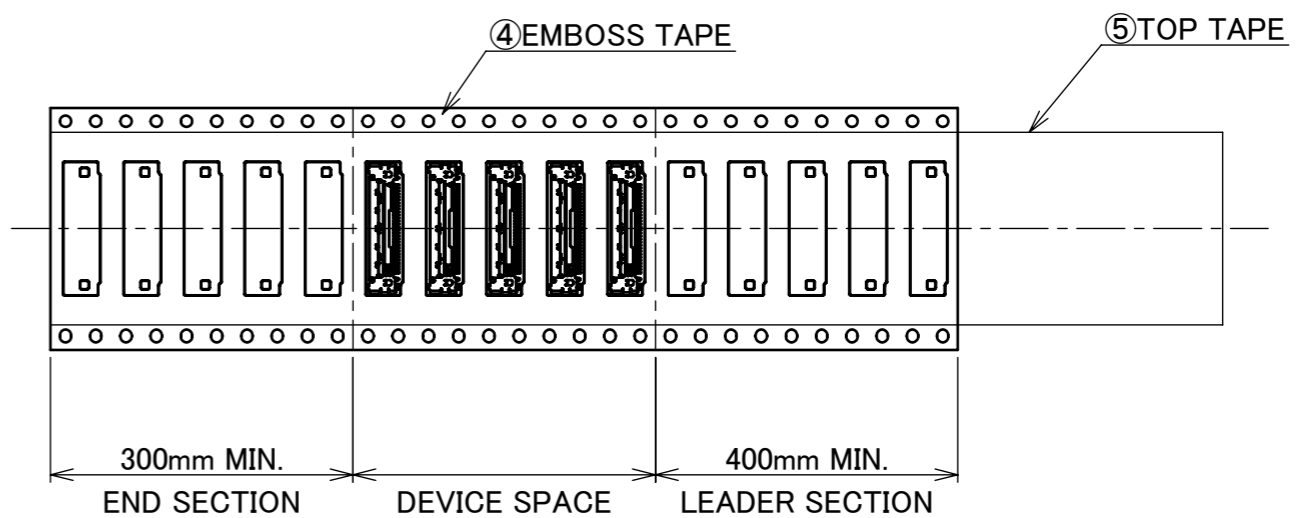


ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R7	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			CABLIN [®] -CA RECE. ASSY		5:1			
CHK.						UNIT			
APP.						mm			
				DWG. No.	20525	SIZE	SHEET	REV.	
						A3	5/6	24	

PART NO.	M	N	P	Q	R	S	T	REEL QTY.	QTY. IN EMBOSS TAPE (1 REEL)	QTY. IN PACKING CARTON (1 CARTON)
20525-#10E-02	6.35	5.80	8.00	9.60	11.50	-	24.00	5 REELS	5000	5000 × 5 = 25000
20525-#12E-02	7.15	6.60	8.80	10.40	11.50	-	24.00			
20525-#20E-02	10.35	9.80	12.00	13.60	11.50	-	24.00			
20525-#30E-02	14.35	13.80	16.00	17.60	14.20	28.40	32.00	4 REELS	5000	5000 × 4 = 20000
20525-#40E-02	18.35	17.80	20.00	21.60	14.20	28.40	32.00			
20525-#50E-02	22.35	21.80	24.00	25.60	20.20	40.40	44.00	3 REELS	5000	5000 × 3 = 15000
20525-#60E-02	26.35	25.80	28.00	29.60	20.20	40.40	44.00			

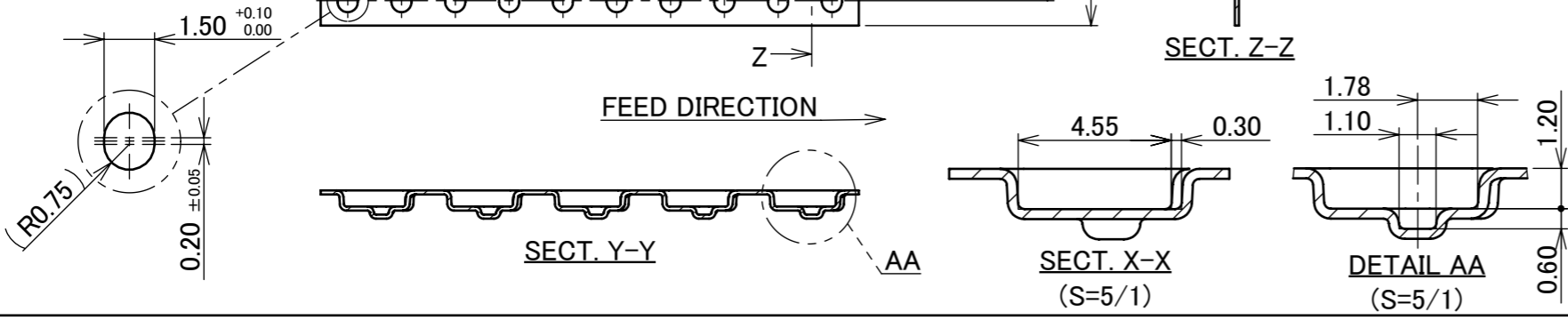


P/N : 20525- # ** E- 0 2
 POS. SEE TABLE 1 (SHEET1/6)



- 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
7	PACKING LABEL	-	-
6	REEL	PS	BLACK
5	TOP TAPE	PET t=0.061 TRANSPARENCY	ANTI-STATIC TYPE ADHESIVE TYPE
4	EMBOSS TAPE	PS t=0.30 TRANSPARENCY	ANTI-STATIC TYPE



ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R7	SCALE		
GENERAL TOLERANCE.						TITLE	2:1	I-PEX
DWG.	DATE		CABLIN® -CA RECE. ASSY			UNIT	mm	
CHK.	DWG. No. 20525					SIZE	SHEET	REV.
APP.						A3	6/6	24