

Recommended P/N 20879-0**E-01

PART NO.	Pos.	A	B	C	D	E	F	G	H
20879-030E-01	30	15.27	13.01	11.60	9.60	12.07	12.88	15.27	13.65
20879-040E-01	40	19.27	17.01	15.60	14.40	16.07	16.88	19.27	17.65
20879-060E-01	60	27.27	25.01	23.60	21.60	24.07	24.88	27.27	25.65

P/N : 20879-0**E-0#

1 : NARROW GROUND PIN TYPE
2 : WIDER GROUND PIN TYPE
Pos.

01 TYPE

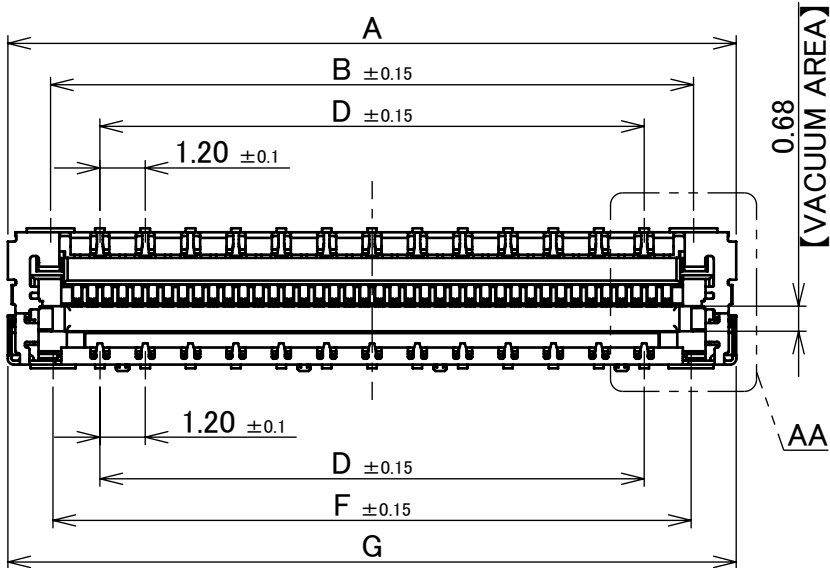


Halogen Free

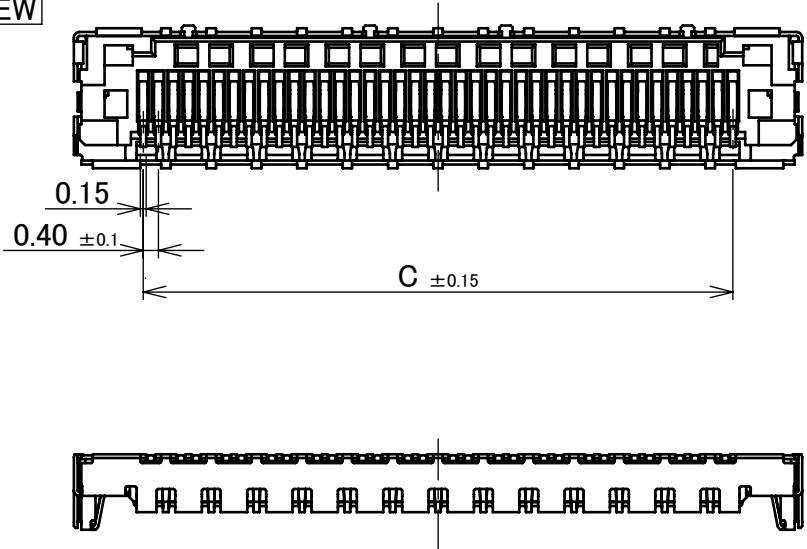


RoHS Compliant

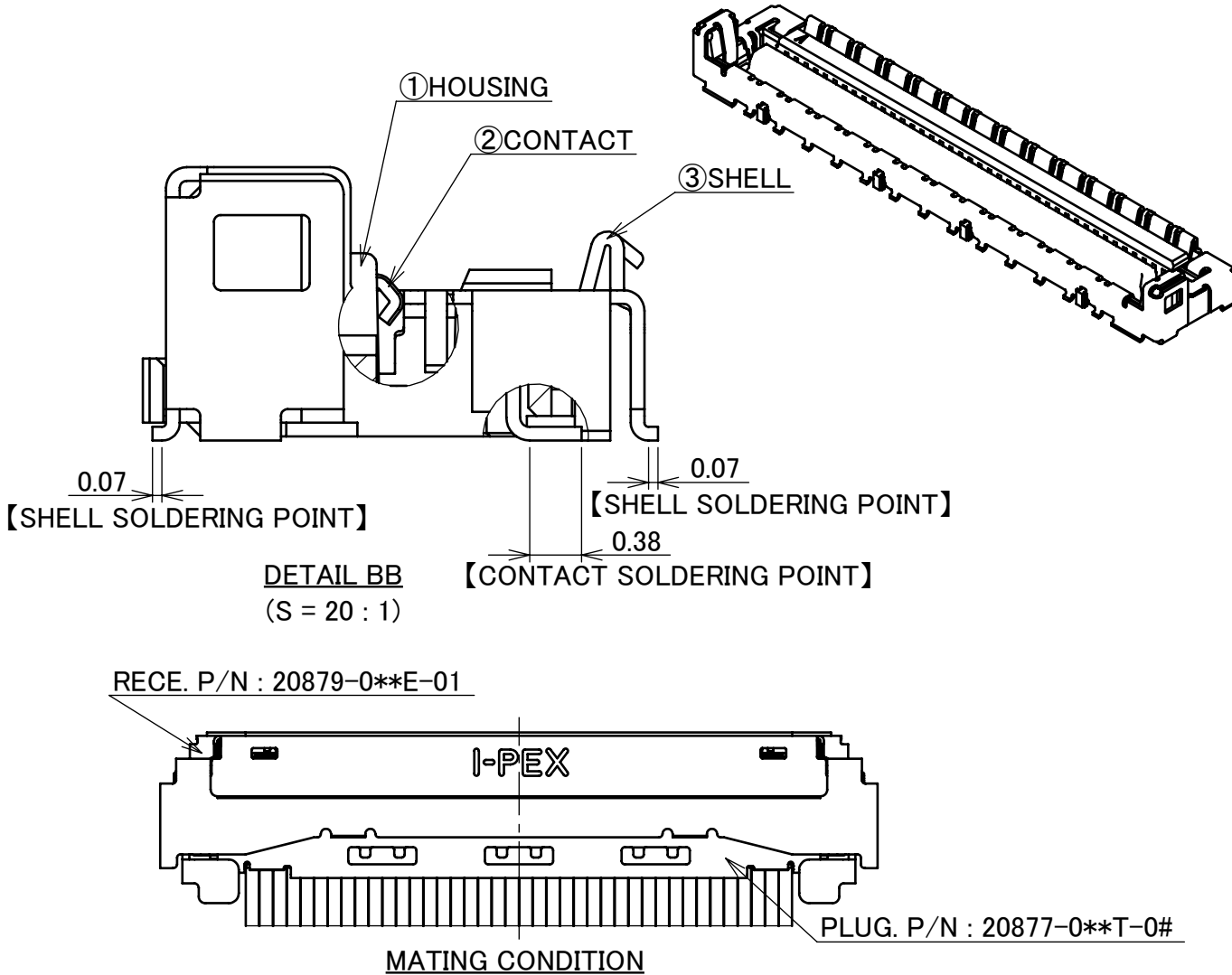
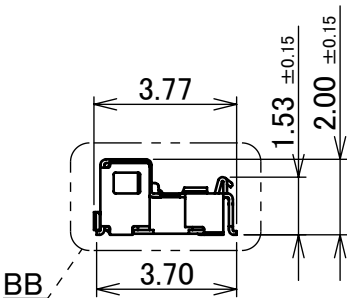
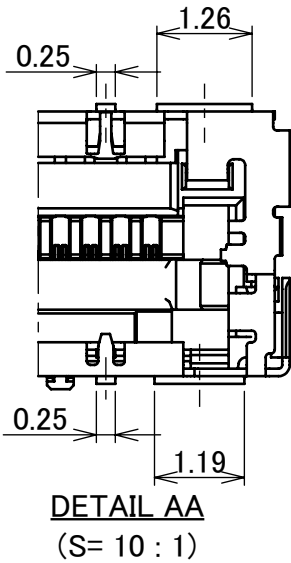
TOP VIEW



BOTTOM VIEW



PATENT PENDING

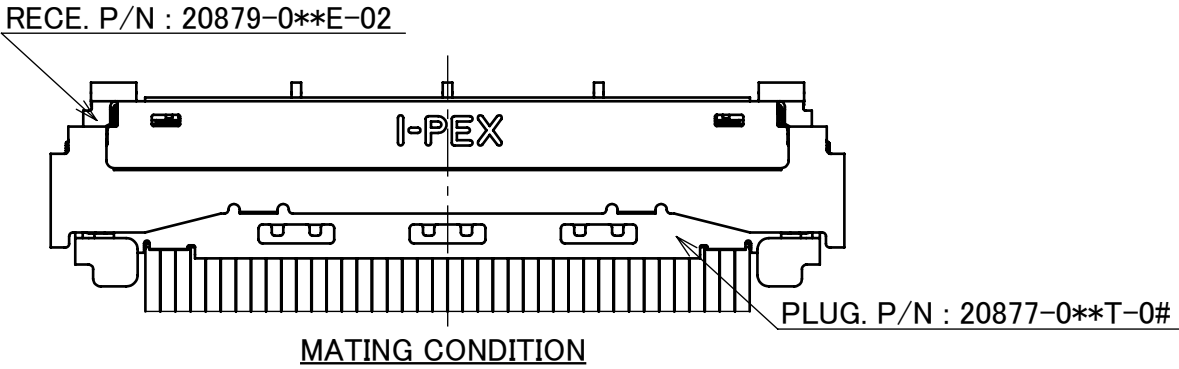
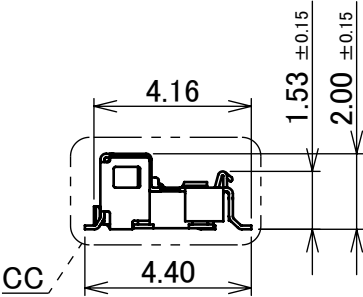
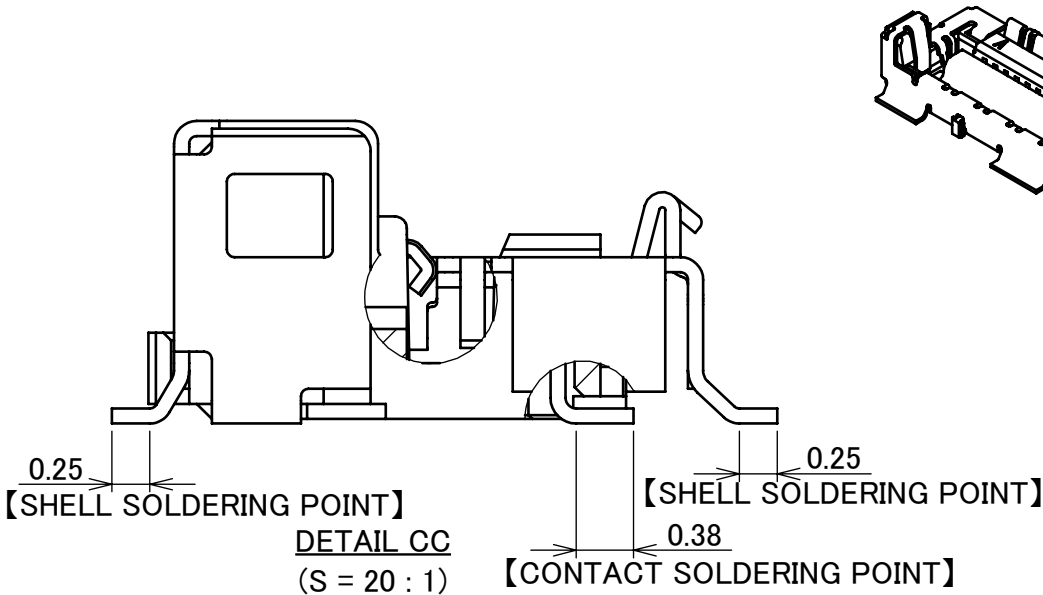
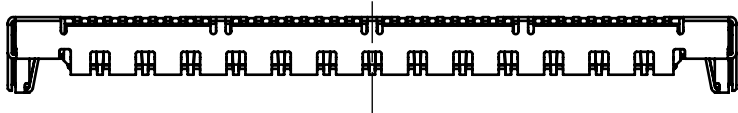
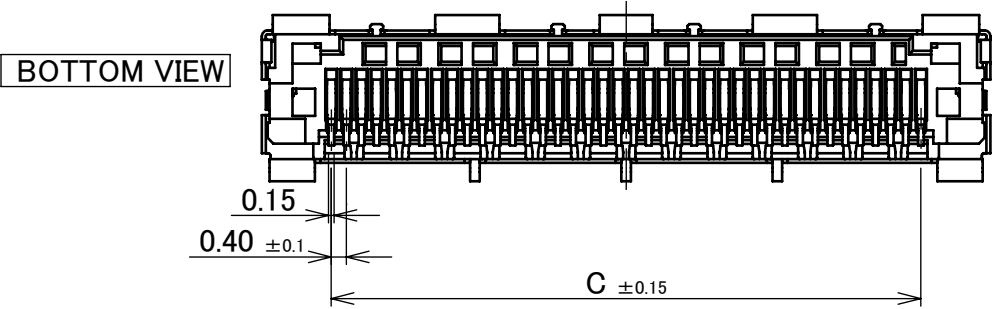
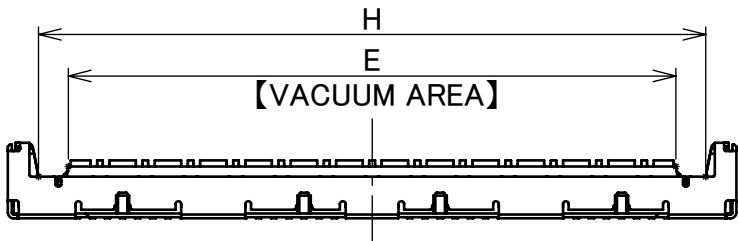
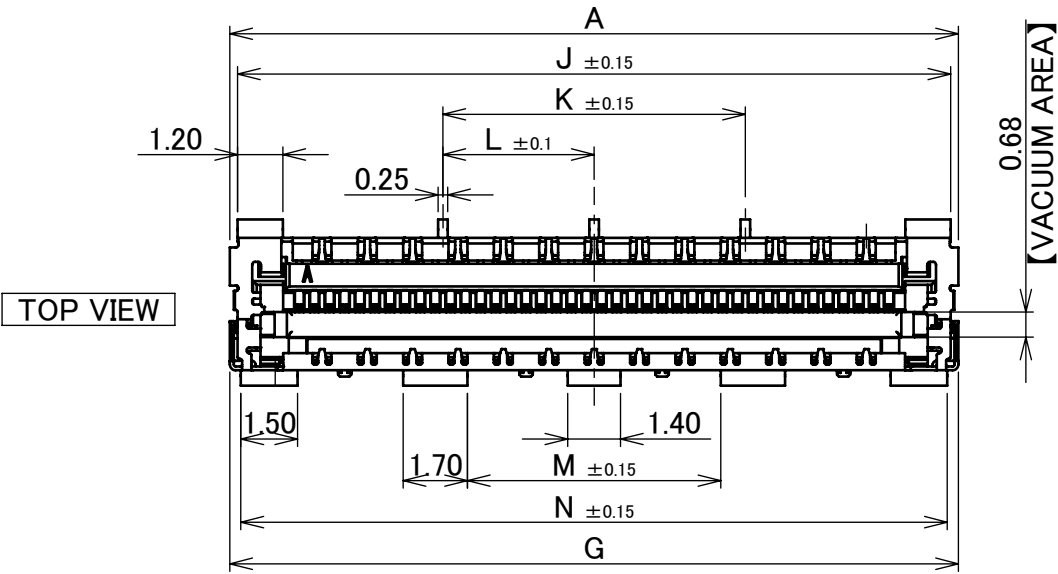
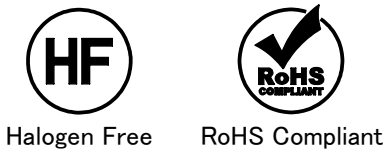


3	SHELL	PHOSPHOR BRONZE	ALL OVER : Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.02 μ m MIN.
2	CONACT	CORSON ALLOY	ALL OVER : Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA : Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

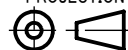
11	Z231031	H.U	Sept./13/'23	M.T	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY		
10	Z230612	R.M	May./26/'23	M.T	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R5			
9	Z230295	Y.I	Mar./15/'23	M.T	GENERAL TOLERANCE.				TITLE CABLINE® -UM RECEPTACLE ASSEMBLY	SCALE	I-PEX		
8	Z230039	K.B	Jan./13/'23	H.I	DWG.	DATE		5:1					
7	Z221402	T.M	Dec./12/'22	H.I	T.Masunaga		2019/01/10			UNIT			
6	Z221346	T.M	Dec./01/'22	H.I	CHK.			mm					
REV.	ECN	BY	DATE	APP.	APP.	DWG. No.				SIZE	SHEET	REV.	
REVISION RECORD					H.Ikari				20879	A3	1/14	11	

PART NO.	Pos.	A	C	E	G	H	J	K	L	M	N
20879-030E-02	30	15.27	11.60	12.07	15.27	13.65	14.87	4.00	-	7.09	14.69
20879-040E-02	40	19.27	15.60	16.07	19.27	17.65	18.87	8.00	4.00	6.70	18.69
20879-060E-02	60	27.27	23.60	24.07	27.27	25.65	26.87	17.60	11.20	10.70	26.69

02 TYPE



PATENT PENDING

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 CABLINE® -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX			
DWG.	DATE					5:1				
CHK.						UNIT				
						mm				
APP.					DWG. No.	20879	SIZE	SHEET	REV.	
						A3	2/14	11		

Recommended P/N 20879-0**E-01

PART NO.	Pos.	A	C	E	G	H	J	K	L	M	N	AD
20879-030E-02	30	15.27	11.60	12.07	15.27	13.65	14.87	4.00	-	7.09	14.69	-
20879-040E-02	40	19.27	15.60	16.07	19.27	17.65	18.87	8.00	4.00	6.70	18.69	-
20879-060E-02	60	27.27	23.60	24.07	27.27	25.65	26.87	17.60	11.20	10.70	26.69	3.20

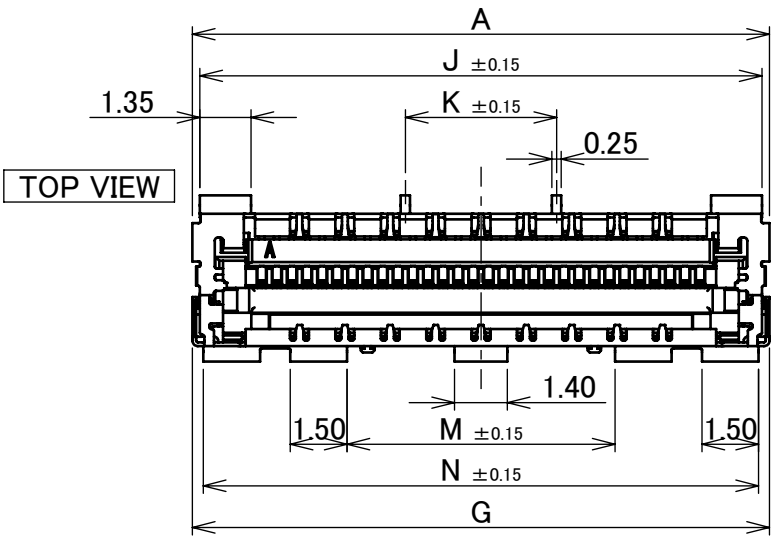
02 TYPE



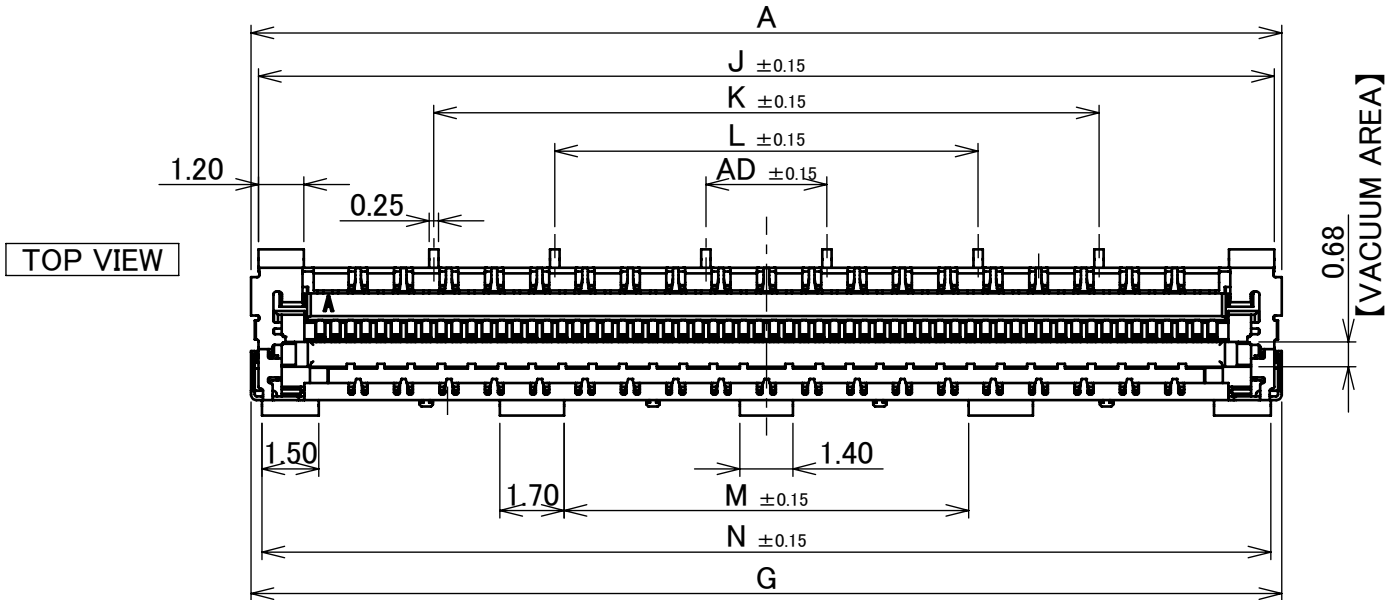
Halogen Free



RoHS Compliant



30P SHAPE
(S = 5 : 1)

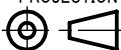


60P SHAPE
(S = 5 : 1)

PATENT PENDING

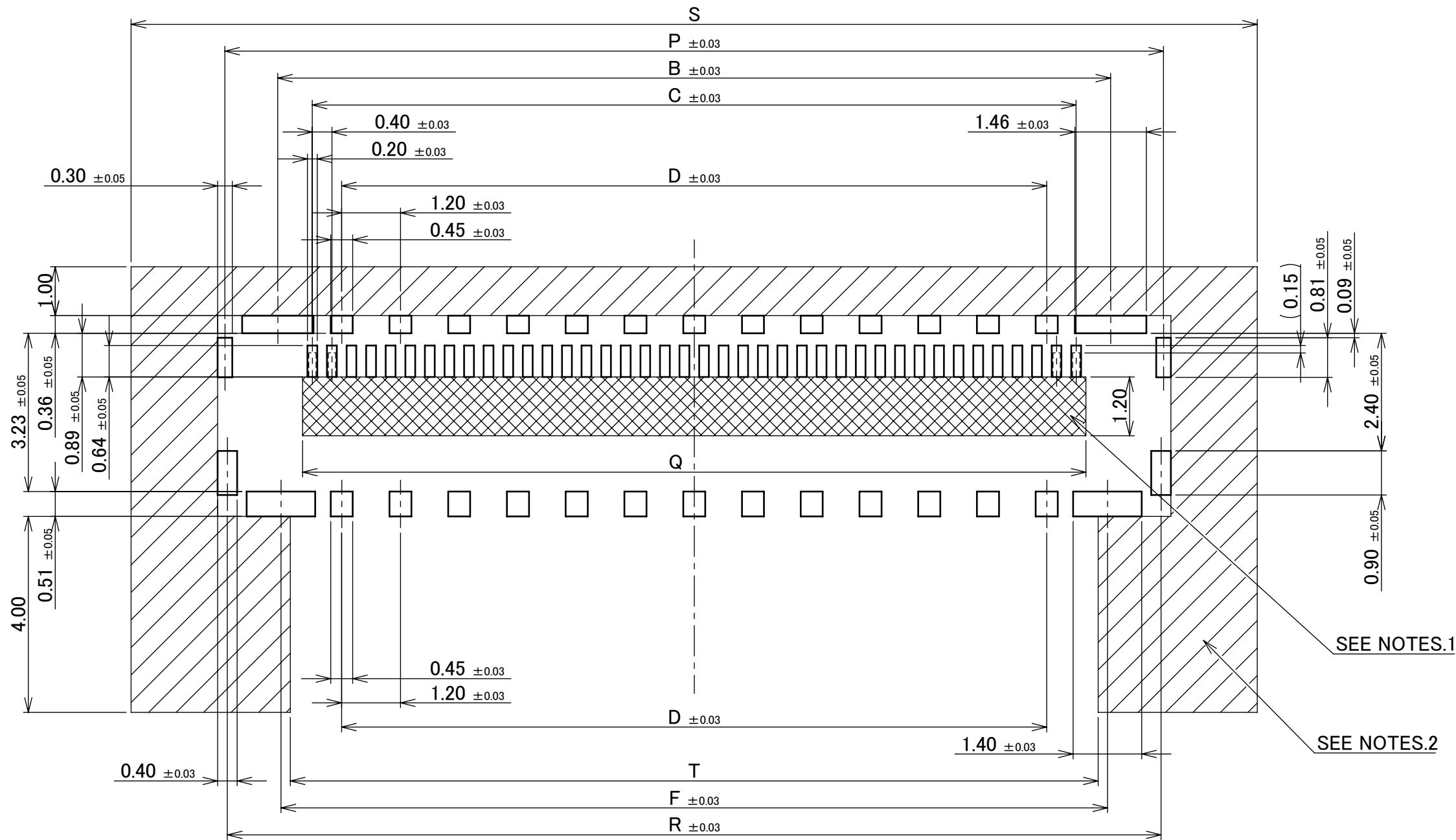
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R5	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] –UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
						mm		
APP.				DWG. No.	SIZE	SHEET	REV.	
				20879	A3	3/14	11	

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE WIRE : AWG# 36 , 34 TWINAX CABLE : AWG# 40 , 42
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 49 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 38 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 19 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 12 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 10 CONTACTS ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233~378K(-40℃~+105℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
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 TEST)	30P : 34.00N MAX. 60P : 52.00N MAX. 40P : 40.00N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 3.0N MIN. 60P : 6.0N MAX. 40P : 4.0N MIN.
CABLE RETENTION FORCE	30P : 14.70N MIN. 60P : 29.40N MAX. 40P : 19.60N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2514
TEST REPORT	TR-18067 (RECEPTACLE:20879-0**E-01) TR-18088 (RECEPTACLE:20879-0**E-02)
PACKING STANDARD	PST-18043
INSTRUCTION MANUAL	HIM-18033
ASSEMBLY MANUAL	ASM-18003
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	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 CABL [®] -UM RECEPTACLE ASSEMBLY		SCALE		
DWG.	DATE					-		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	4/14	11

PART No.	Pos.	B	C	D	F	P	Q	R	S	T
20879-030E-01	30	13.01	11.60	9.60	12.88	15.17	12.00	15.07	19.00	12.50
20879-040E-01	40	17.01	15.60	14.40	16.88	19.17	16.00	19.07	23.00	16.50
20879-060E-01	60	25.01	23.60	21.60	24.88	27.17	24.00	27.07	31.00	24.50

01 TYPE



01 TYPE RECOMMENDED PCB LAYOUT
(S = 10 : 1)

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

PATENT PENDING

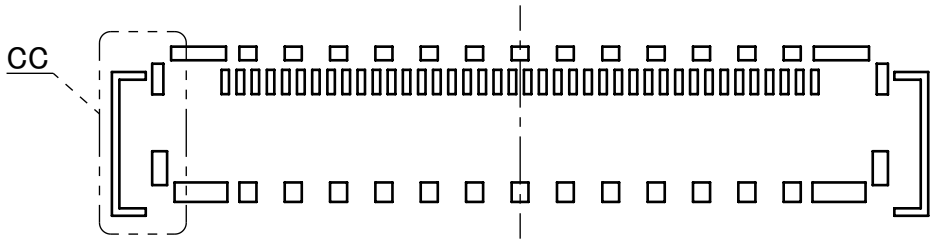
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R5	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] –UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
						mm		
APP.				DWG. No.	20879	SIZE	SHEET	REV.
						A3	5/14	11

PART No.	Pos.
20879-030E-01	30
20879-040E-01	40
20879-060E-01	60

PATENT PENDING

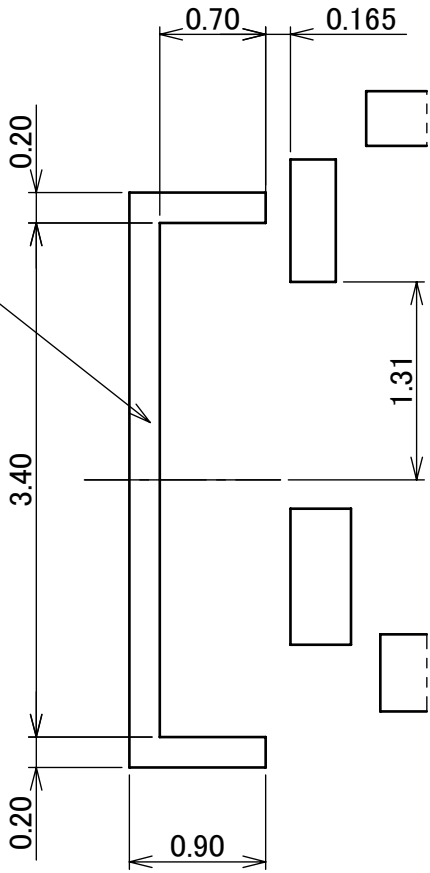
01 TYPE

With LOCK COVER



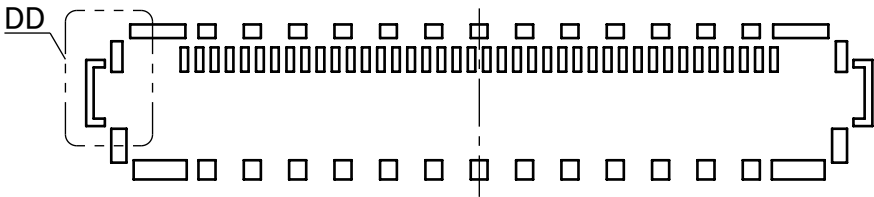
RECOMMENDED SILK PRINT For With LOCK COVER
(S = 5 : 1)

SILK PRINT
For PLUG INSERTION CHECK

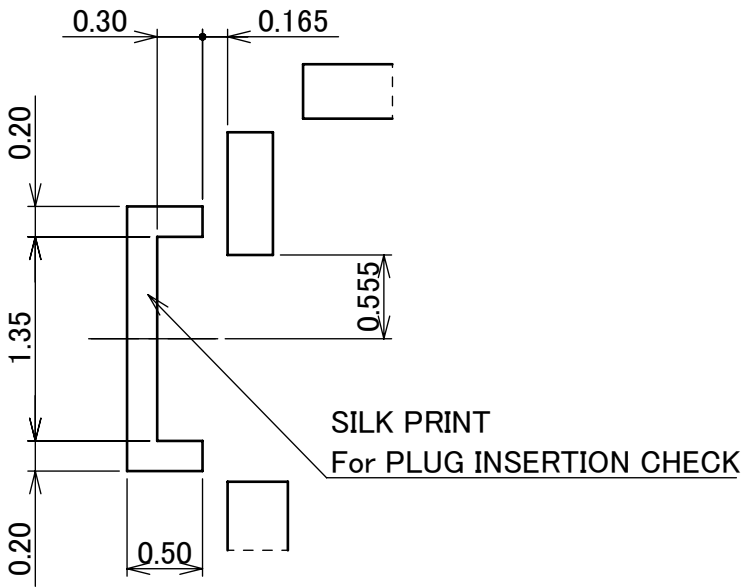


DETAIL CC
(S = 20 : 1)

Without LOCK COVER &
With PULL TAPE HOLDER



RECOMMENDED SILK PRINT For Without LOCK COVER
(S = 5 : 1)



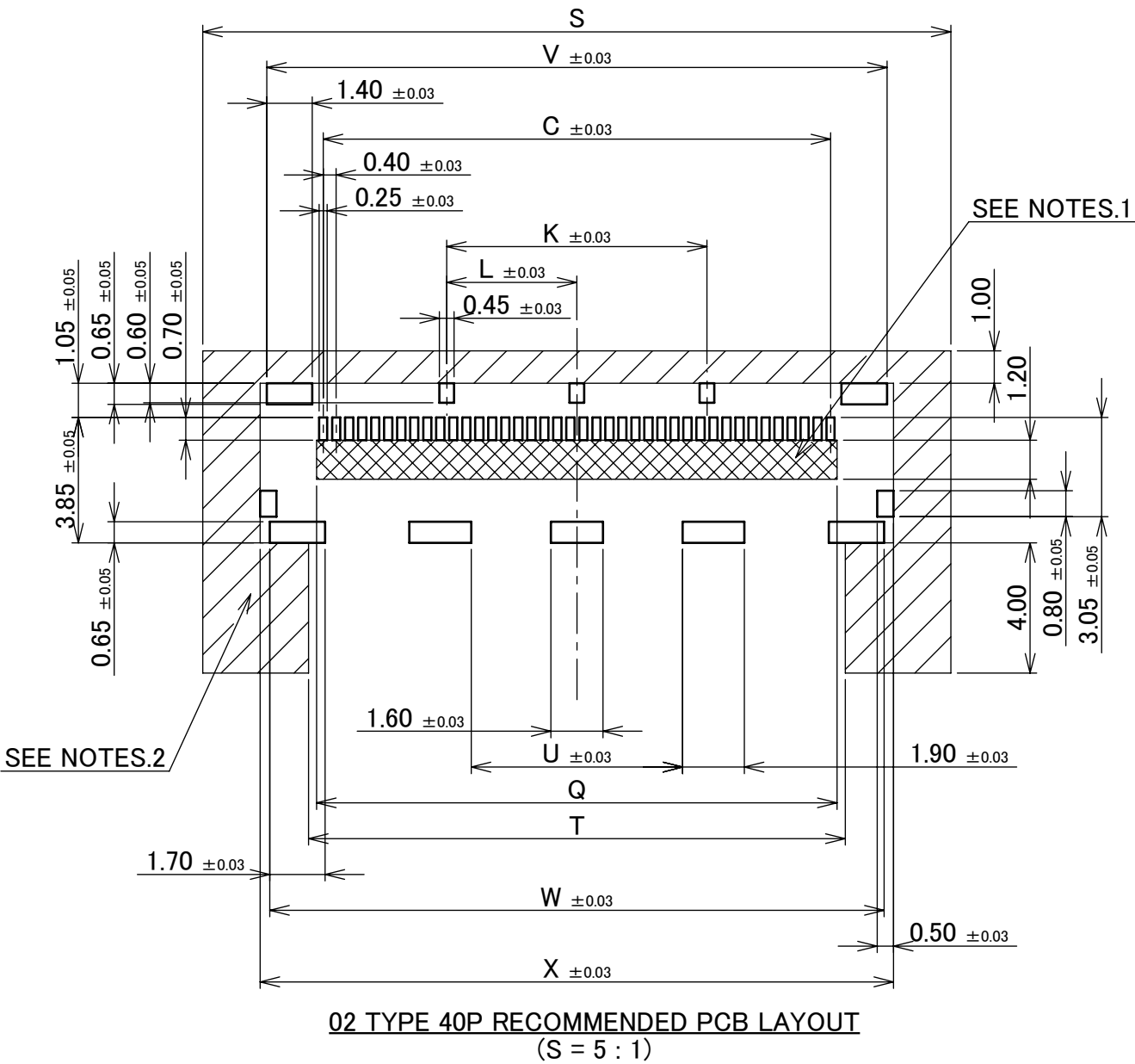
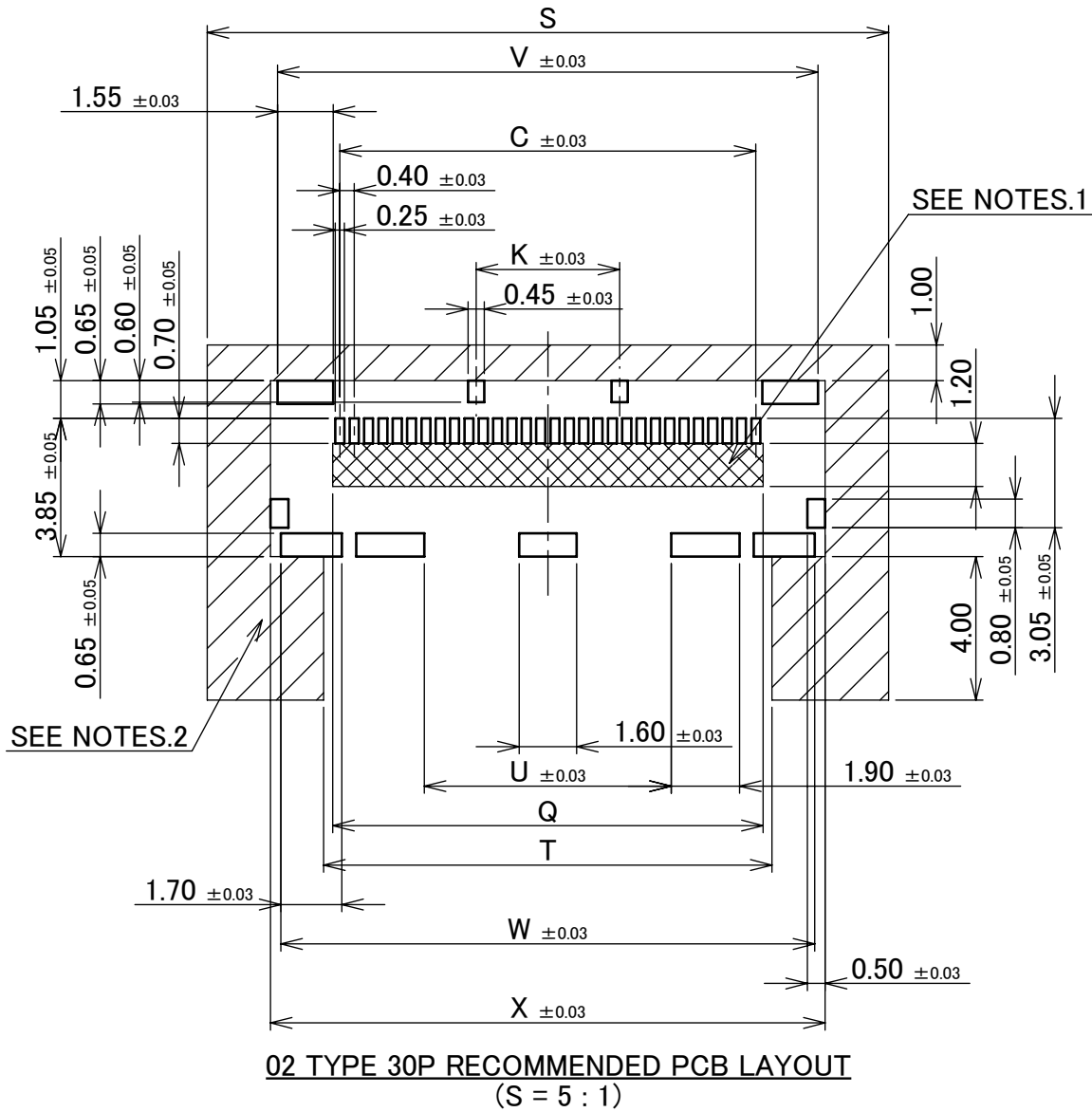
DETAIL DD
(S = 20 : 1)

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 CABLIN [®] -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.		SIZE	SHEET	REV.
				20879		A3	6/14	11

PART No.	Pos.	C	K	L	Q	S	T	U	V	W	X
20879-030E-02	30	11.60	4.00	-	12.00	19.00	12.50	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	16.00	23.00	16.50	6.50	19.07	18.89	19.47
20879-060E-02	60	23.60	17.60	11.20	24.00	31.00	24.50	10.50	27.07	26.89	27.47

PATENT PENDING

02 TYPE



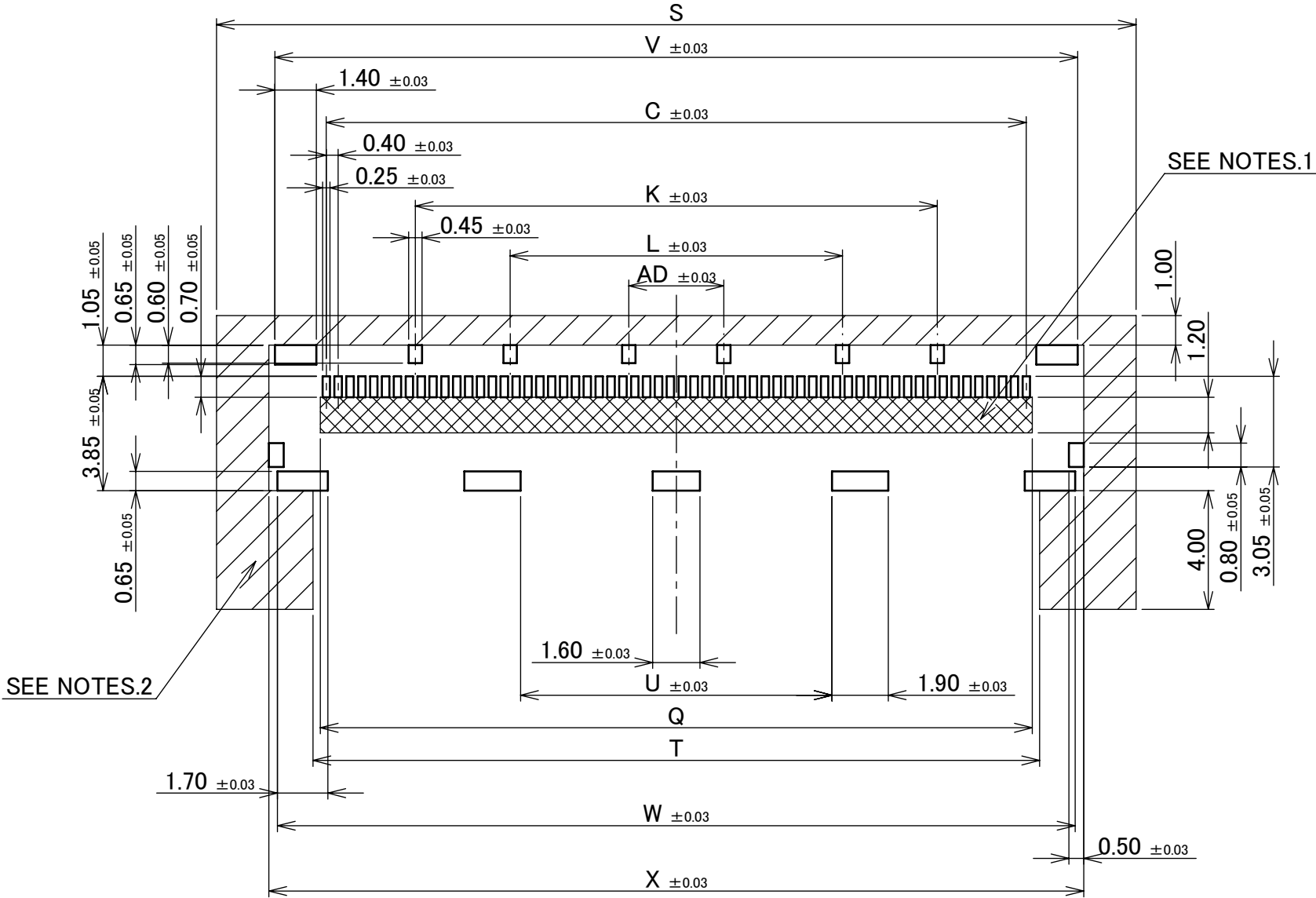
- NOTES.
1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

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 CABLIN [®] -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	7/14	11

PART No.	Pos.	C	K	L	Q	S	T	U	V	W	X	AD
20879-030E-02	30	11.60	4.00	-	12.00	19.00	12.50	6.89	15.07	14.89	15.47	-
20879-040E-02	40	15.60	8.00	4.00	16.00	23.00	16.50	6.50	19.07	18.89	19.47	-
20879-060E-02	60	23.60	17.60	11.20	24.00	31.00	24.50	10.50	27.07	26.89	27.47	3.20

PATENT PENDING

02 TYPE



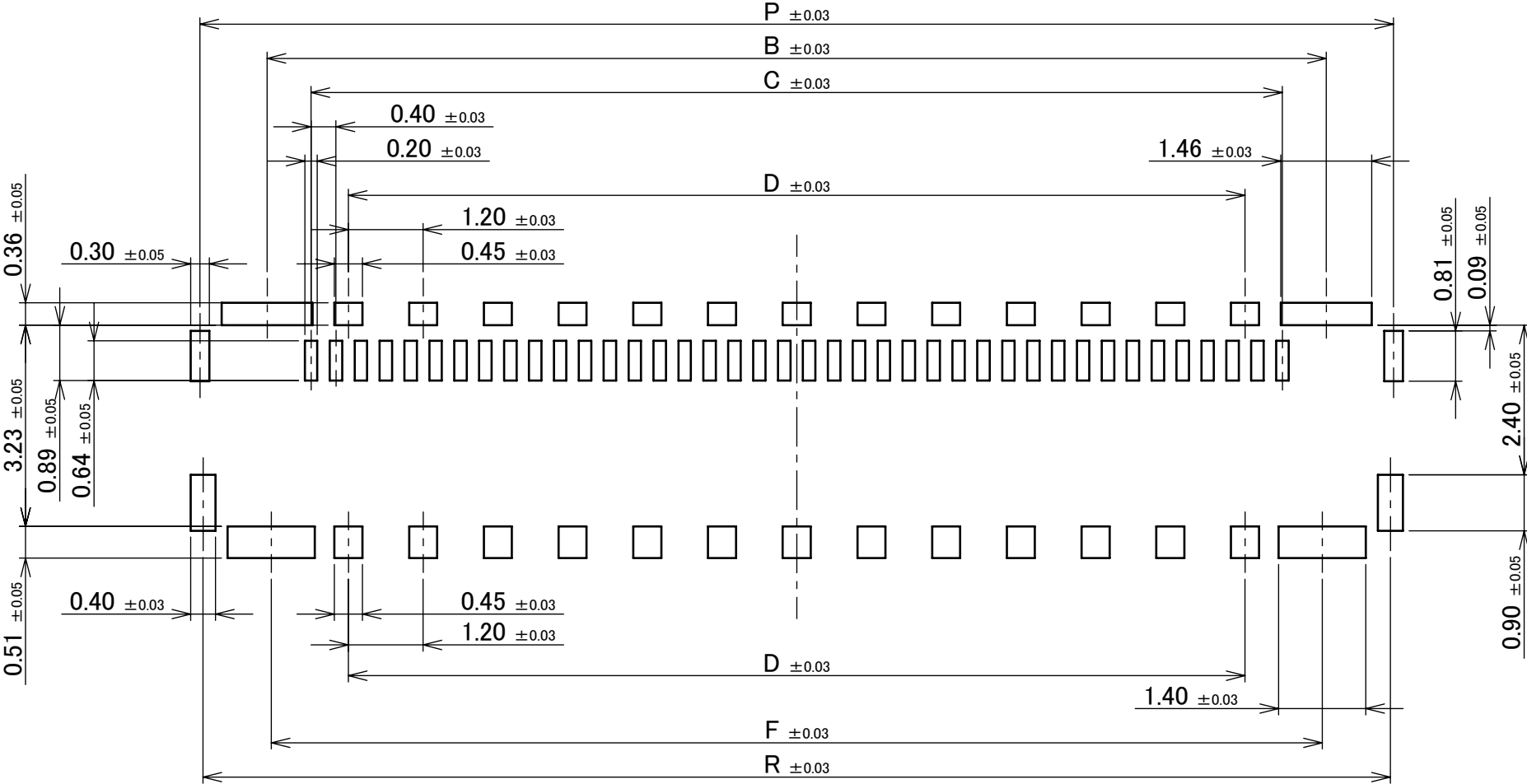
02 TYPE 60P RECOMMENDED PCB LAYOUT
(S = 5 : 1)

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

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 CABLIN [®] -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.		SIZE	SHEET	REV.
				20879		A3	8/14	11

PART No.	Pos.	B	C	D	F	P	R
20879-030E-01	30	13.01	11.60	9.60	12.88	15.17	15.07
20879-040E-01	40	17.01	15.60	14.40	16.88	19.17	19.07
20879-060E-01	60	25.01	23.60	21.60	24.88	27.17	27.07

01 TYPE



01 TYPE RECOMMENDED METAL MASK LAYOUT (S = 10 : 1)
※ METAL MASK THICKNESS : t = 0.10

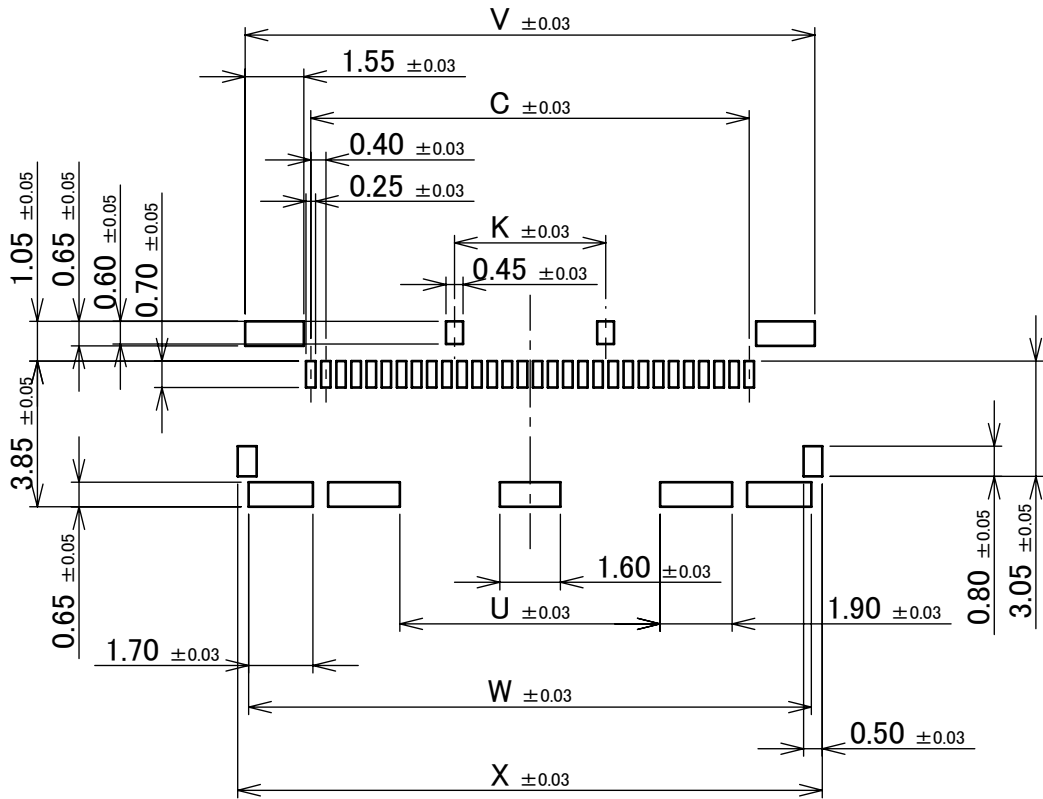
PATENT PENDING

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 CABLIN [®] –UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
						mm		
APP.				DWG. No.	20879	SIZE	SHEET	REV.
						A3	9/14	11

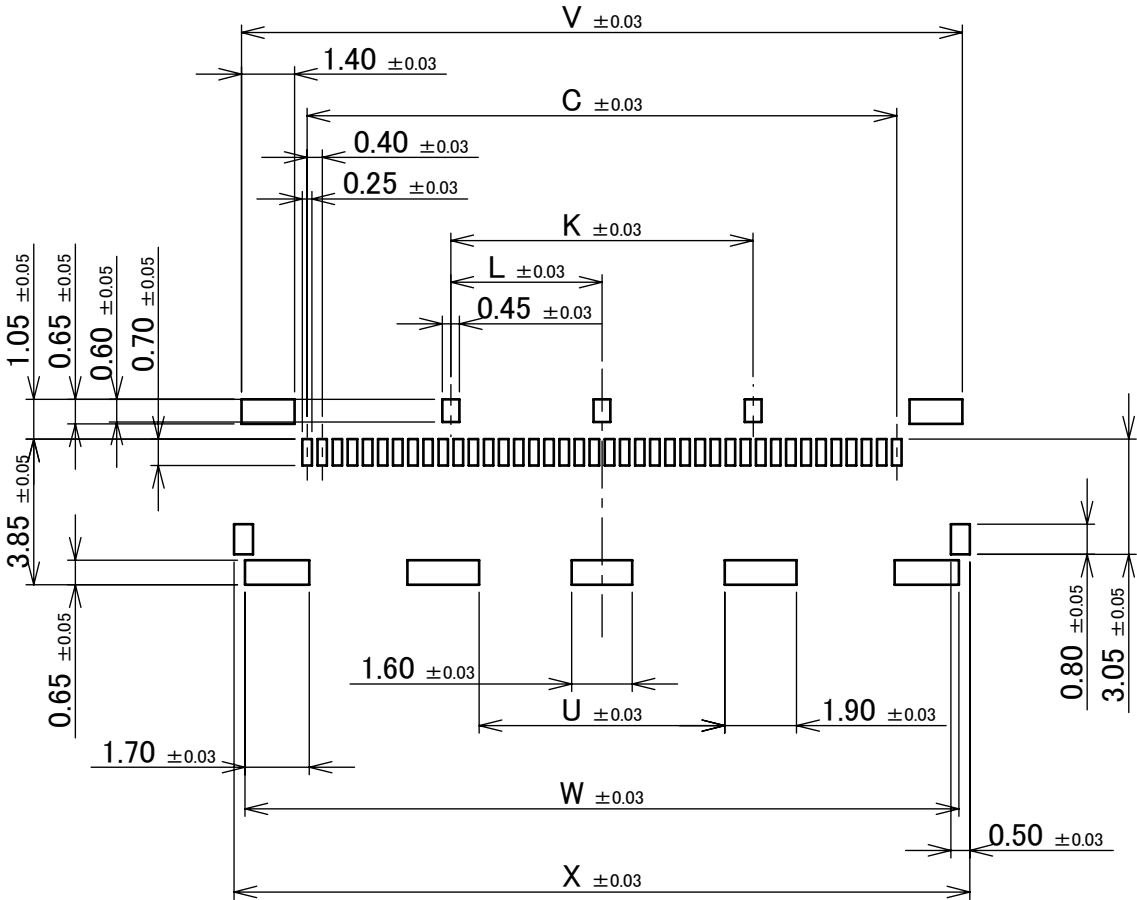
PART No.	Pos.	C	K	L	U	V	W	X
20879-030E-02	30	11.60	4.00	-	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47

PATENT PENDING

02 TYPE



02 TYPE 30P RECOMMENDED METAL MASK LAYOUT (S = 5 : 1)
※ METAL MASK THICKNESS : t = 0.12



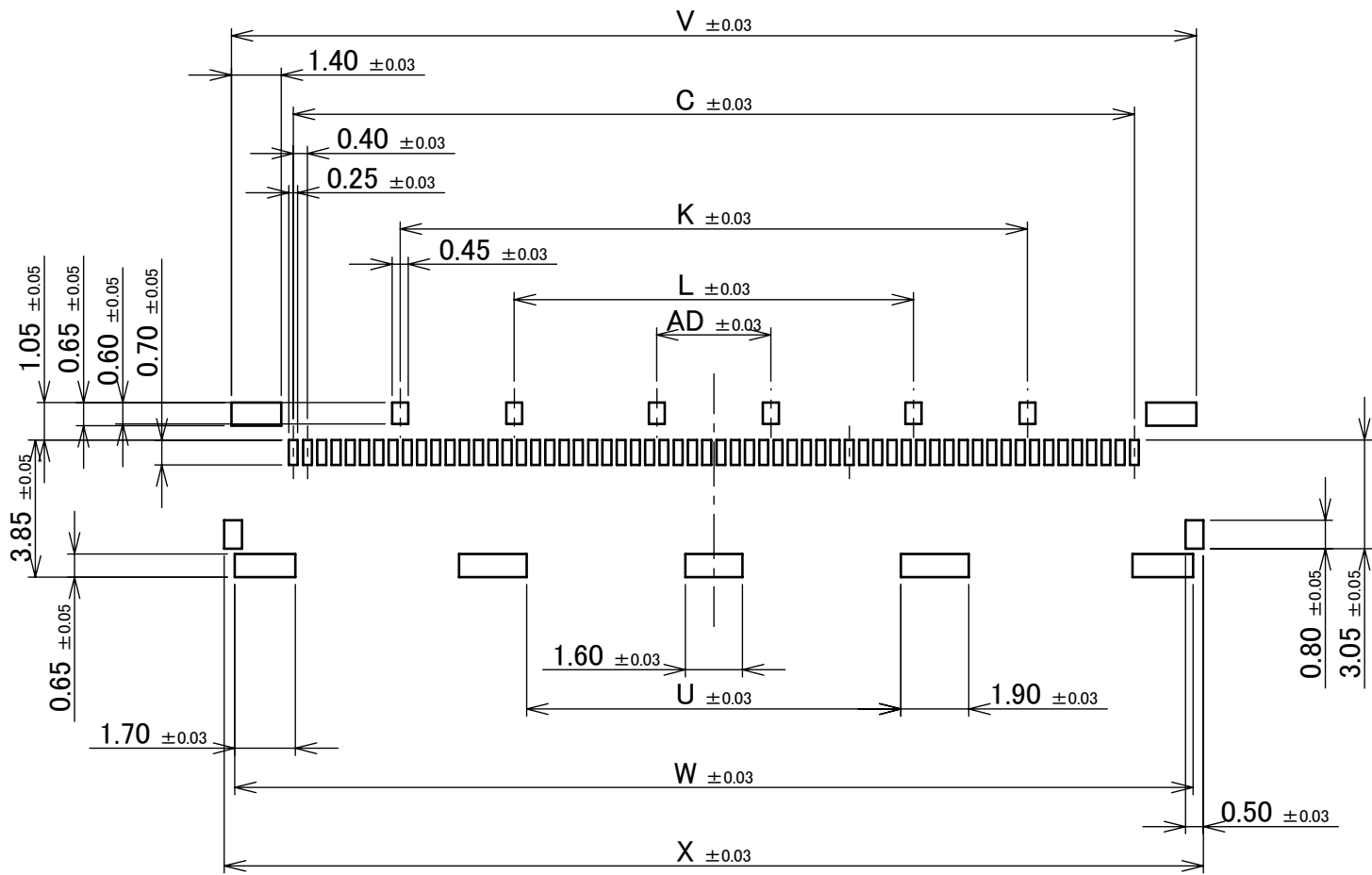
02 TYPE 40P RECOMMENDED METAL MASK LAYOUT (S = 5 : 1)
※ METAL MASK THICKNESS : t = 0.12

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 CABLIN® -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.		SIZE	SHEET	REV.
				20879		A3	10/14	11

PART No.	Pos.	C	K	L	U	V	W	X	AD
20879-030E-02	30	11.60	4.00	-	6.89	15.07	14.89	15.47	-
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47	-
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47	3.20

PATENT PENDING

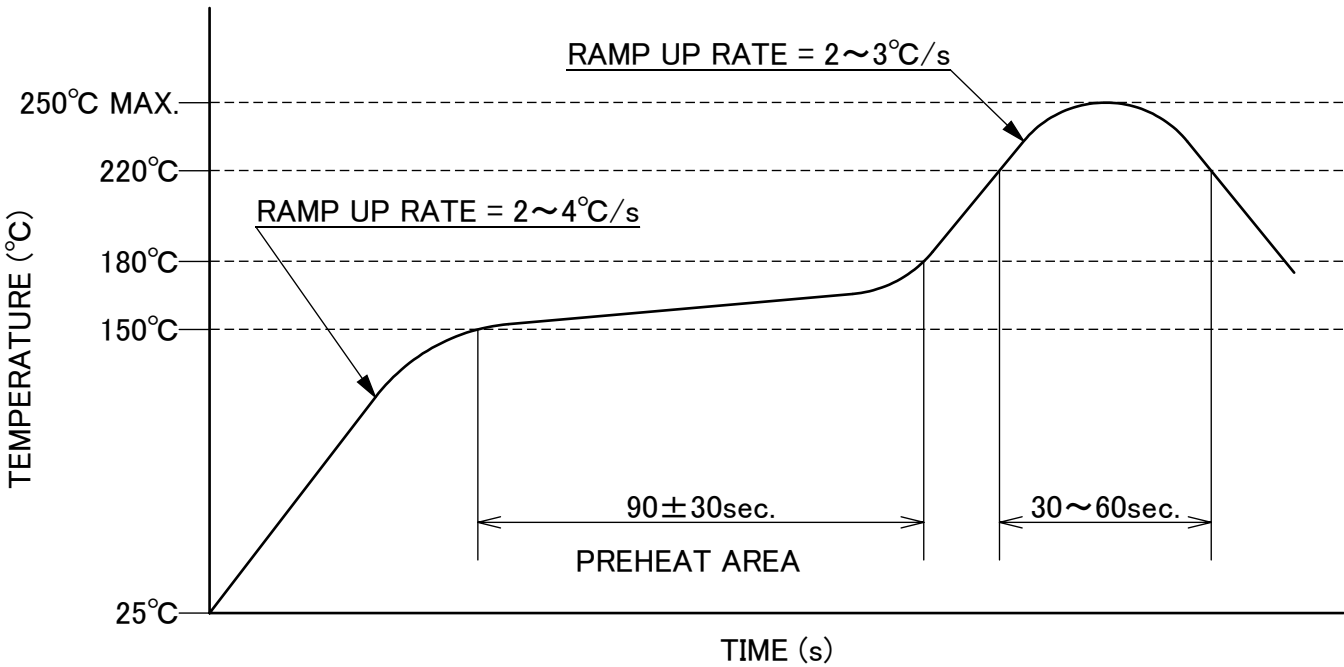
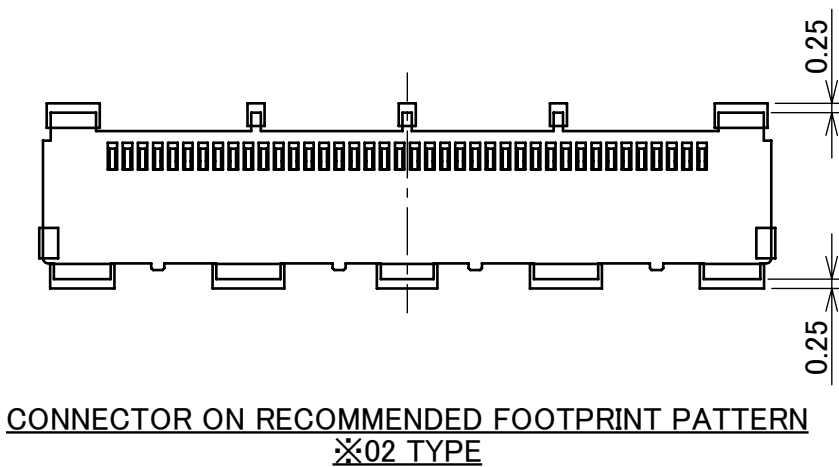
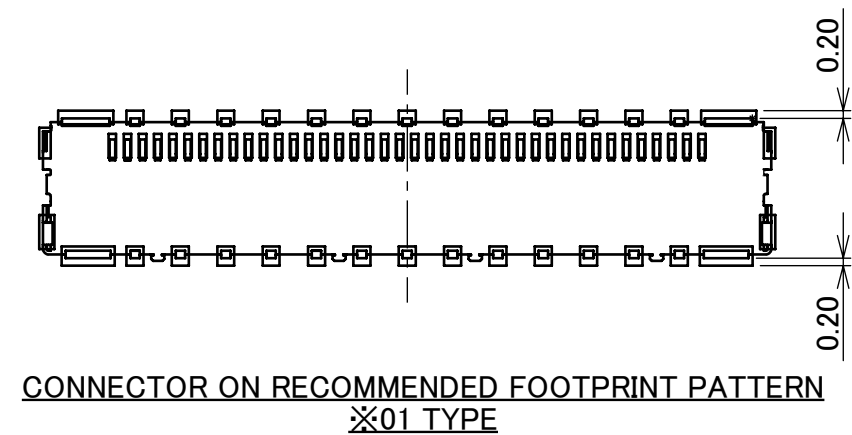
02 TYPE



02 TYPE 60P RECOMMENDED METAL MASK LAYOUT (S = 5 : 1)
※ METAL MASK THICKNESS : t = 0.12

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 CABLIN [®] -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	11/14	11

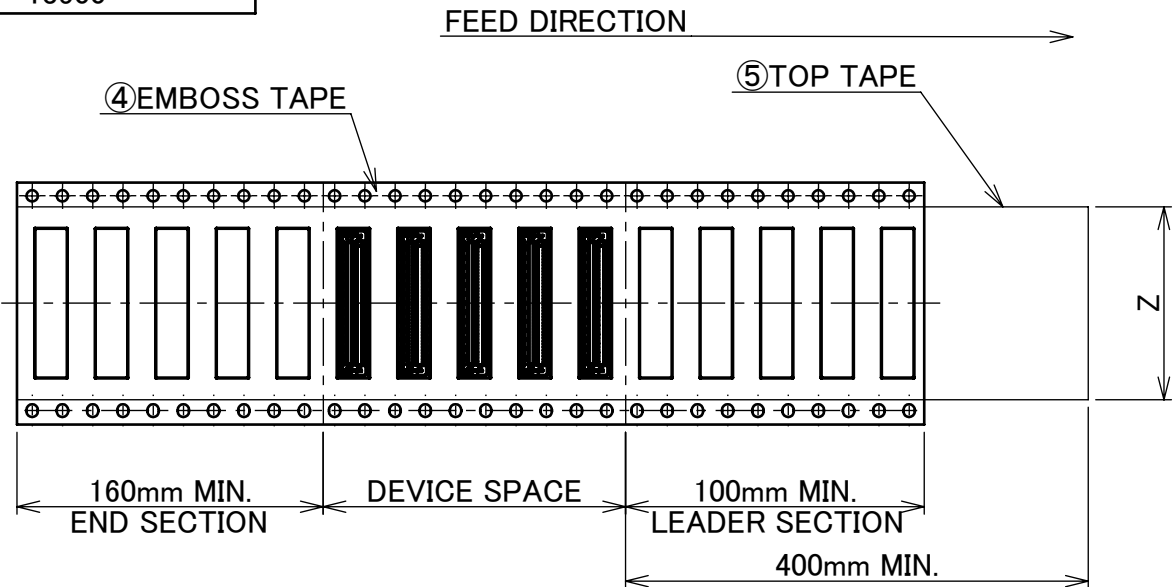
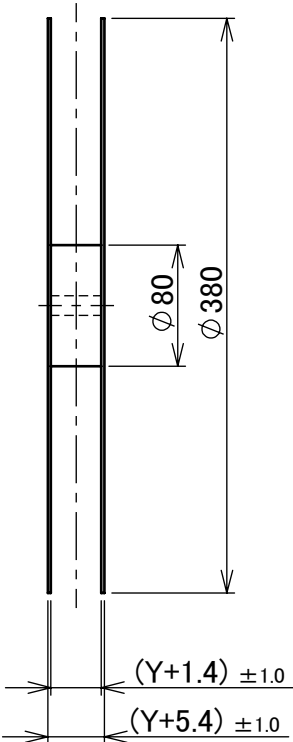
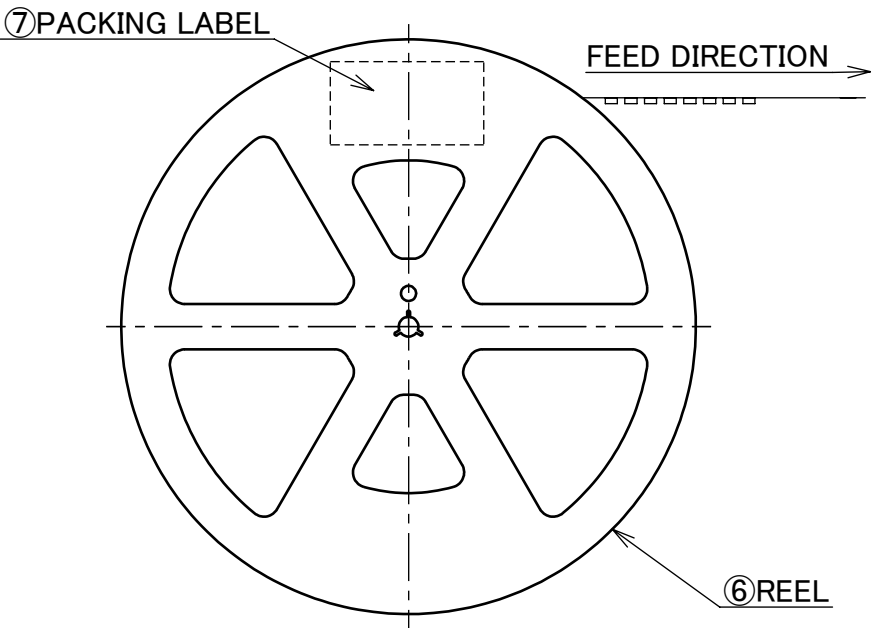
PATENT PENDING



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 CABLIN [®] -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	12/14	11

PART NO.	Y	Z	AA	AB	AC	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20879-030E-01	32.00	25.50	14.20	28.40	15.67	4500 / REEL	4 / CARTON = 18000
20879-040E-01	32.00	25.50	14.20	28.40	19.67	4500 / REEL	4 / CARTON = 18000
20879-060E-01	44.00	37.50	20.20	40.40	27.67	4500 / REEL	3 / CARTON = 13500

01 TYPE



PATENT PENDING

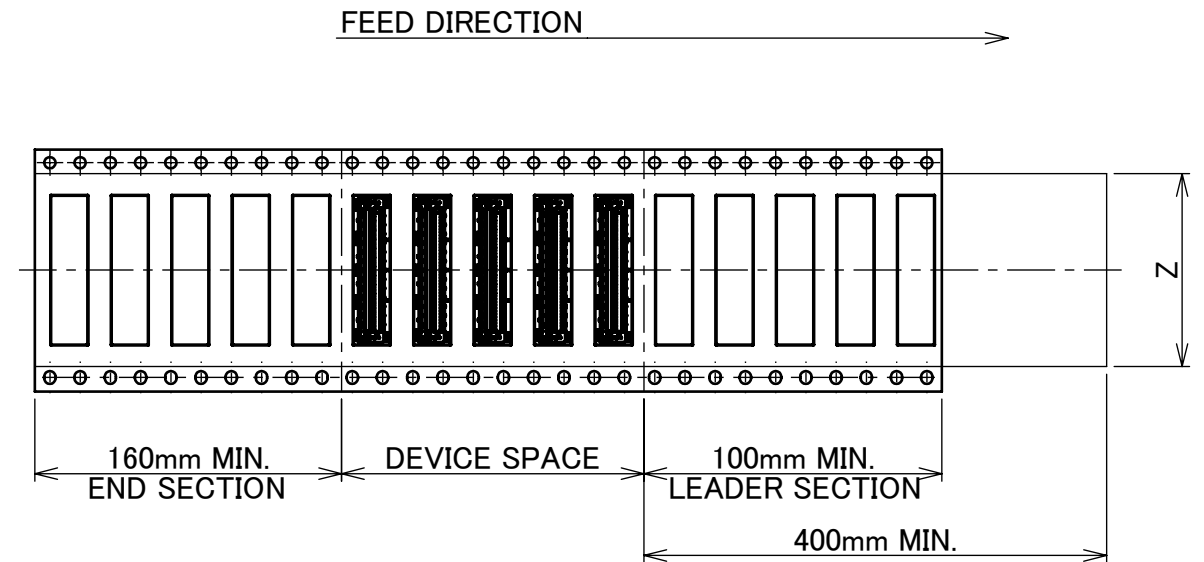
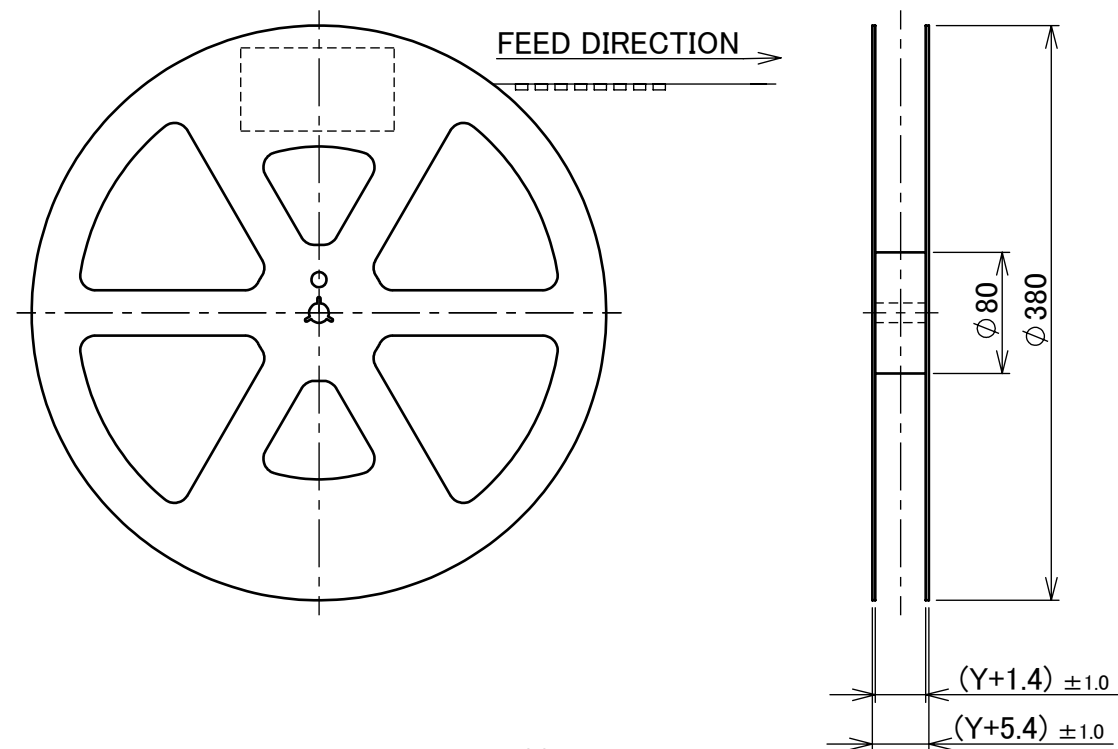
- NOTES.
3. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
4. MAKE EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE.
5. TOP TAPE SHALL NOT STICK OUT FROM EMBOSS TAPE.
6. TOP TAPE SHALL NOT COVER FEED HOLE.

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
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

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 CABLIN® -UM RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					1:X		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	13/14	11

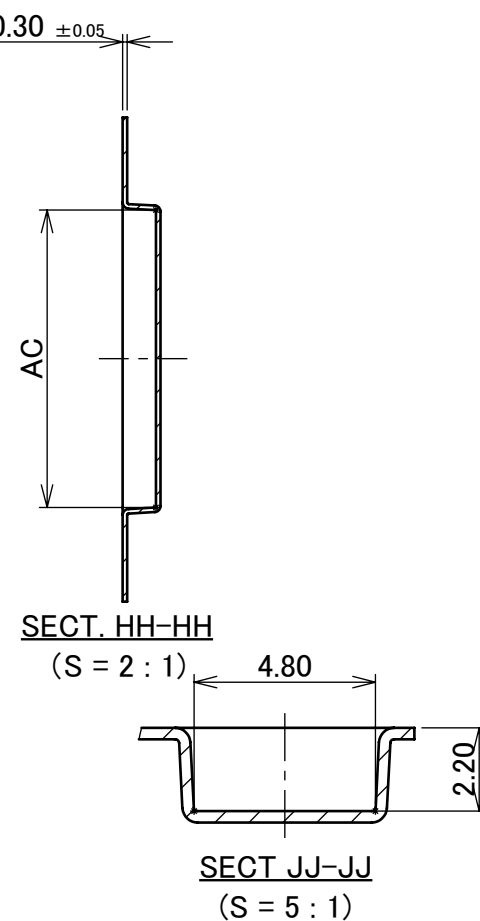
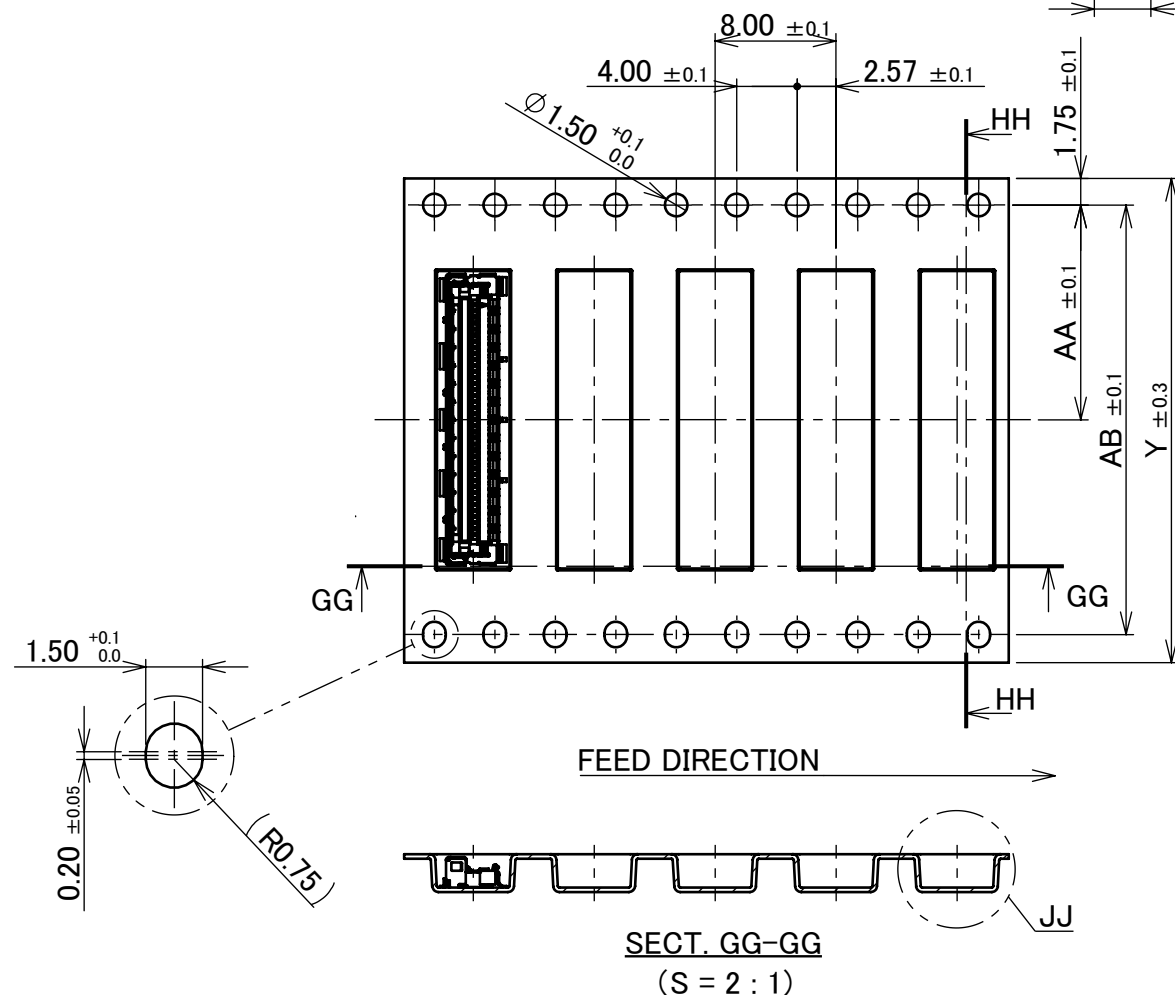
PART NO.	Y	Z	AA	AB	AC	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20879-030E-02	32.00	25.50	14.20	28.40	15.67	4500 / REEL	4 / CARTON = 18000
20879-040E-02	32.00	25.50	14.20	28.40	19.67	4500 / REEL	4 / CARTON = 18000
20.879-060E-02	44.00	37.50	20.20	40.40	27.67	4500 / REEL	3 / CARTON = 13500

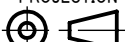
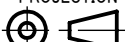
02 TYPE



PATENT PENDING

- 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.



ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R5				
GENERAL TOLERANCE.					TITLE CABLIN [®] -UM RECEPTACLE ASSEMBLY		SCALE		
DWG.		DATE					1:X		
CHK.							UNIT		
							mm		
APP.				DWG. No.	20879		SIZE	SHEET	REV.
						A3		14/14	11