

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

◆ MARK MEANS NOT AVAILABLE.

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

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

01 TYPE

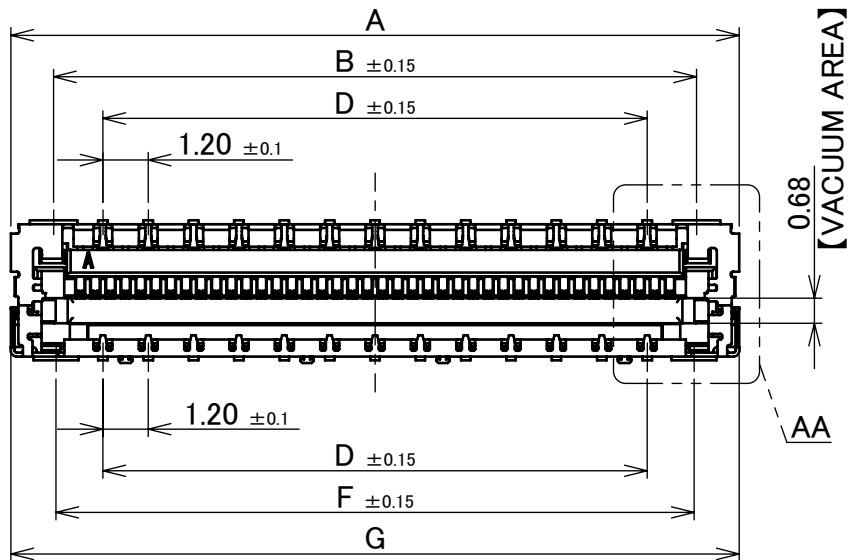


Halogen Free

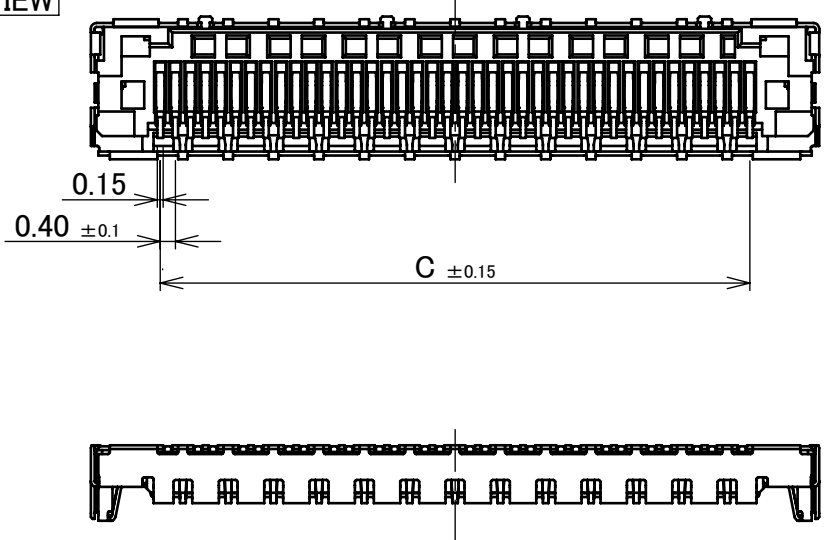


RoHS Compliant

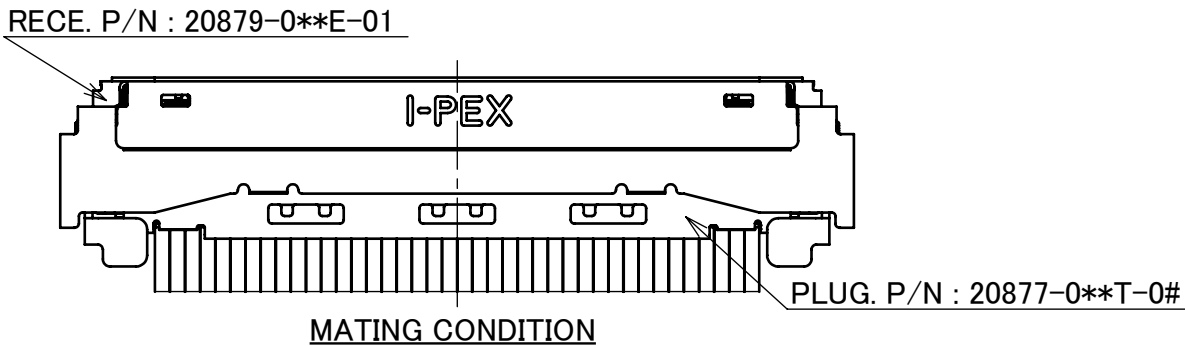
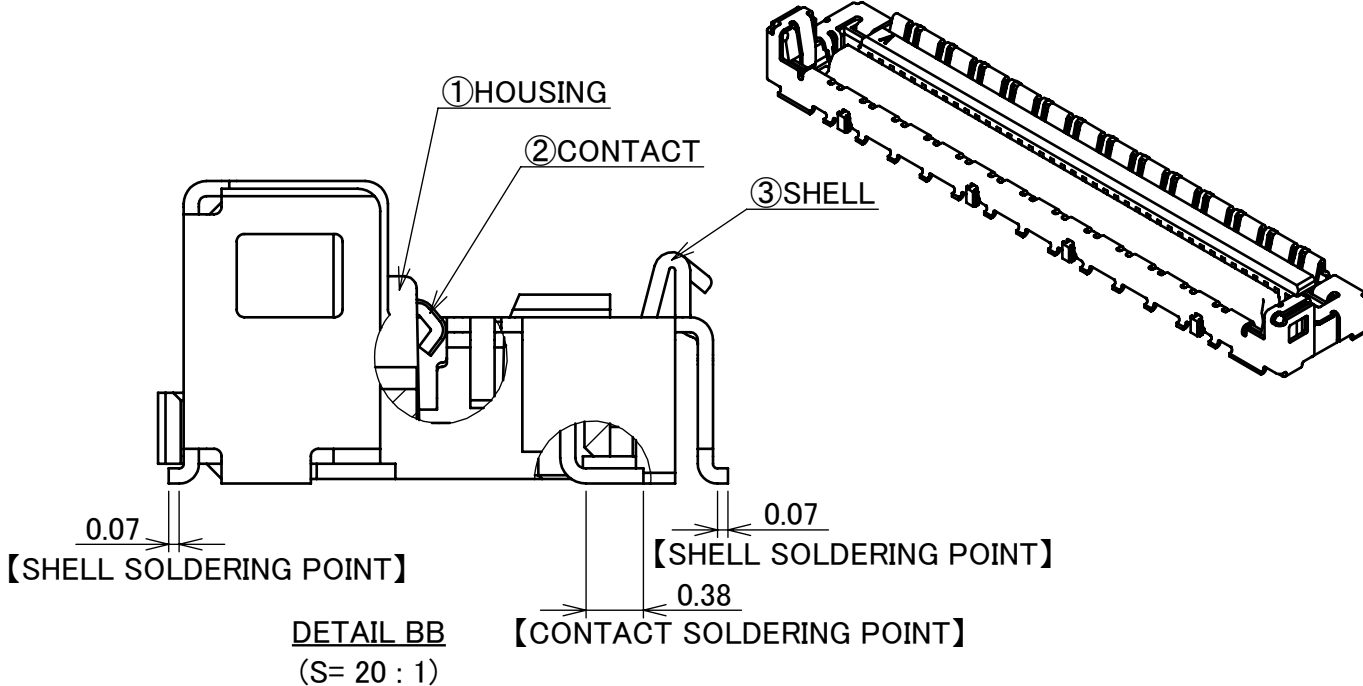
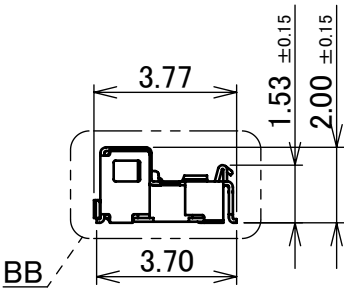
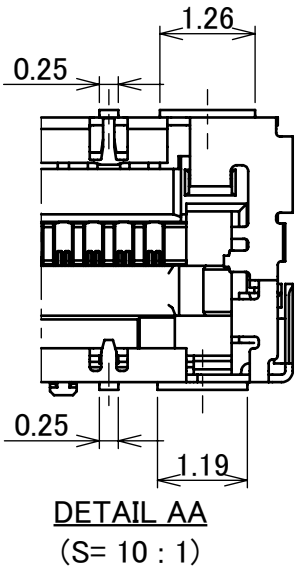
TOP VIEW



BOTTOM VIEW



PATENT PENDING

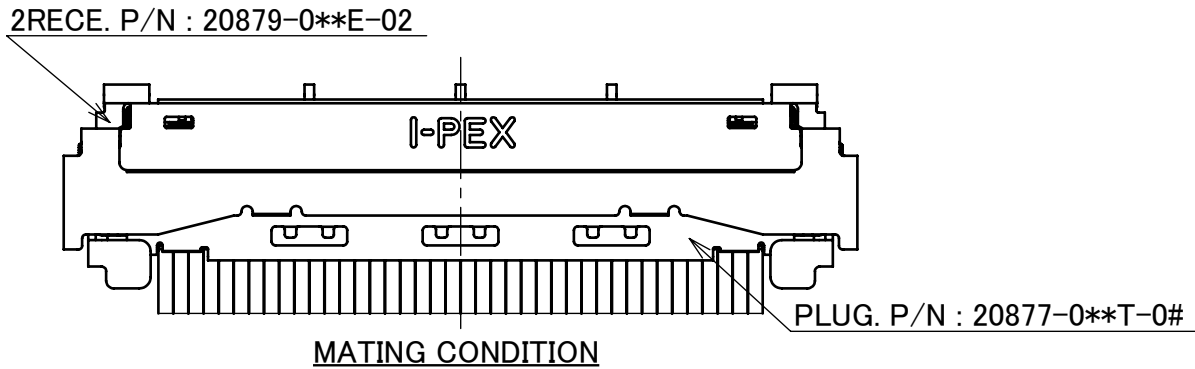
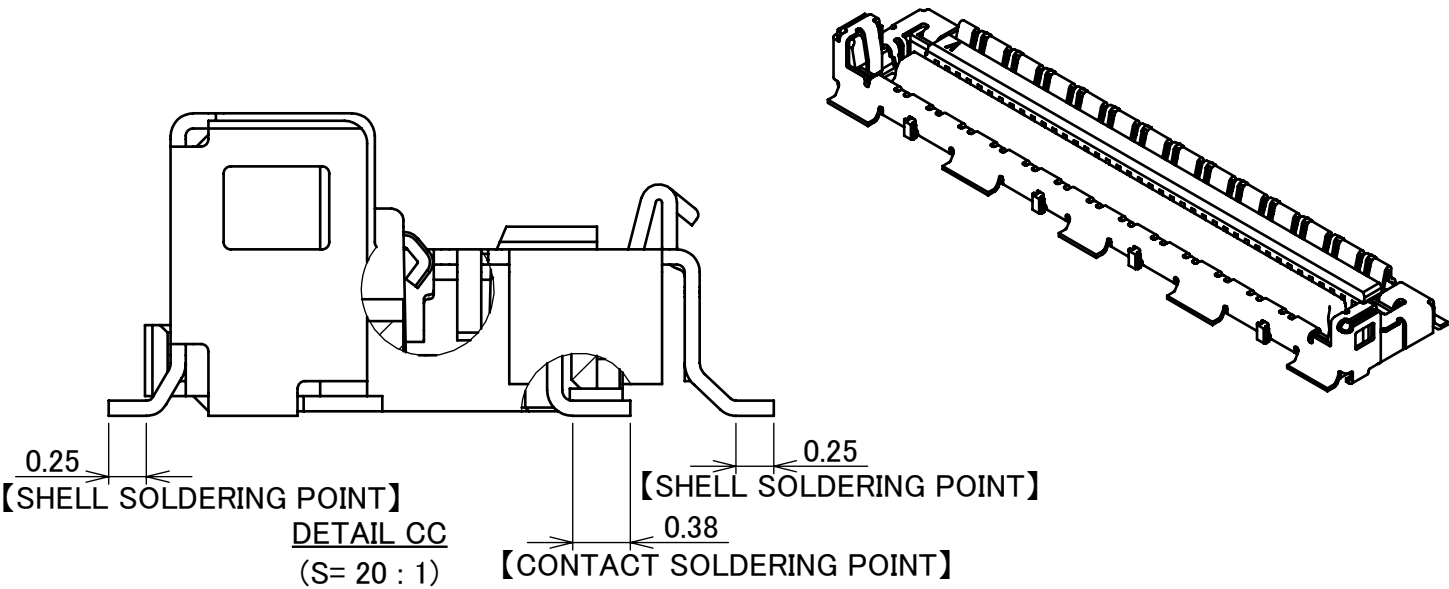
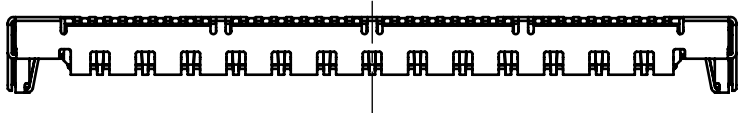
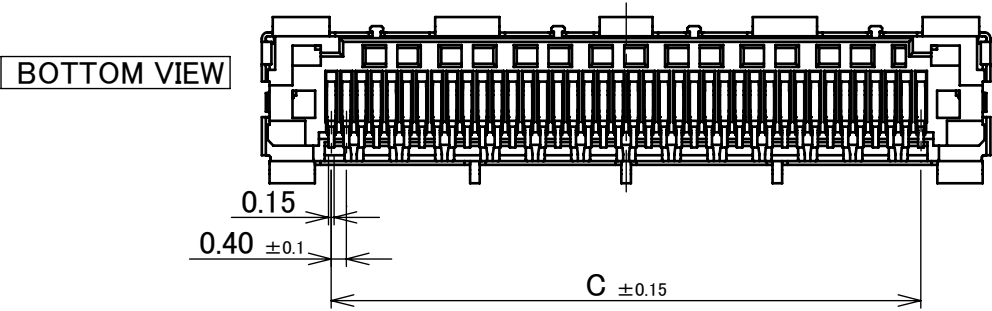
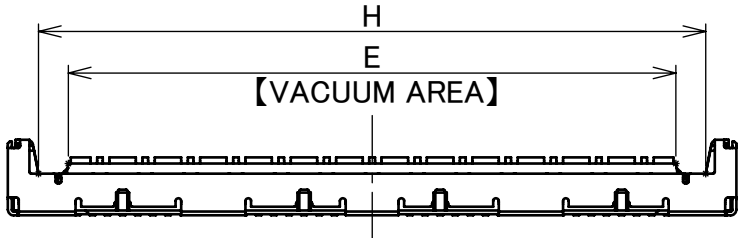
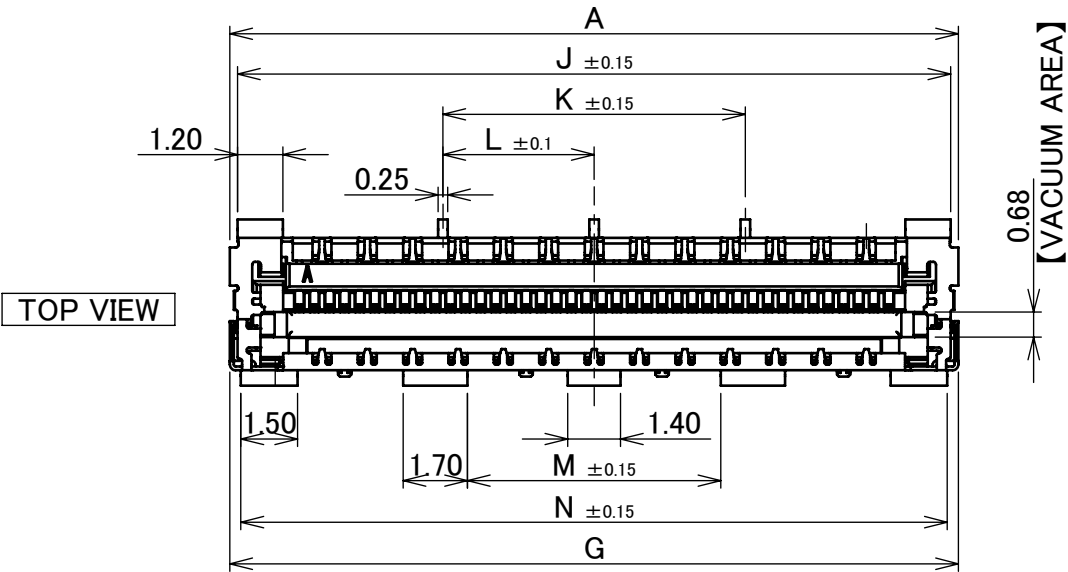
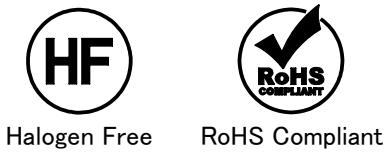


3	SHELL	PHOSPHOR BRONZE	ALL OVER : Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.02 μ m MIN.
2	CONACT	CORSON ALLOY	ALL OVER : Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA : Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

5	Z220874	T.M	Aug./02/'22	H.I	ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION	SERIES No.	CUSTOMER COPY
4	Z211301	T.M	Nov./01/'21	H.I	6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5		R4	
3	Z200195	Y.Sasa	Feb./17/'20	H.I	GENERAL TOLERANCE.				TITLE		
2	Z191151	T.M	Aug./30/'19	H.I	DWG.	T.Masunaga	DATE	2019/01/10	CABLINC® -UM		
1	Z191003	T.M	July/30/'19	H.I	CHK.				RECE. ASS'Y		
0	Z190029	T.M	Jan./10/'19		APP.				mm		
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.	20879	SIZE
REVISION RECORD					H.Ikari						A3
											SHEET
											1/14
										REV.	5

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	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5		R4	SCALE	I-PEX	
GENERAL TOLERANCE.				TITLE		5:1		
DWG.	DATE			CABLINE® -UM RECE. ASS'Y		UNIT		
CHK.						mm		
APP.				DWG. No.		SIZE	SHEET	REV.
				20879		A3	2/14	5

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

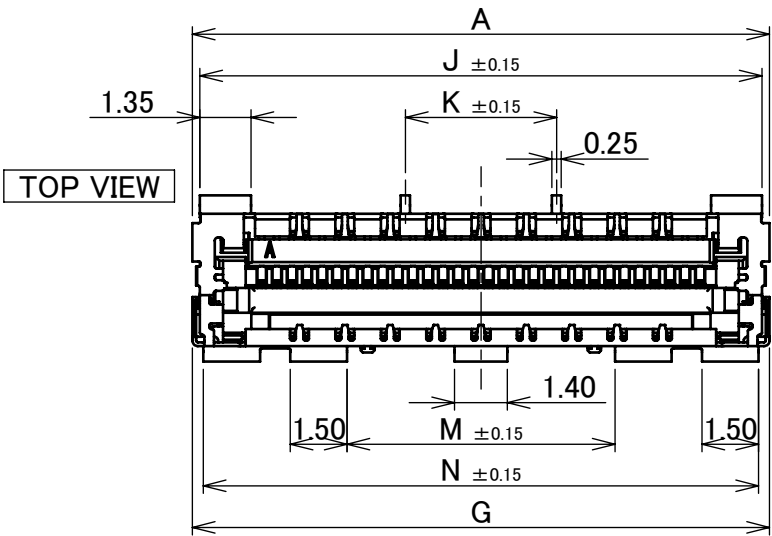
02 TYPE



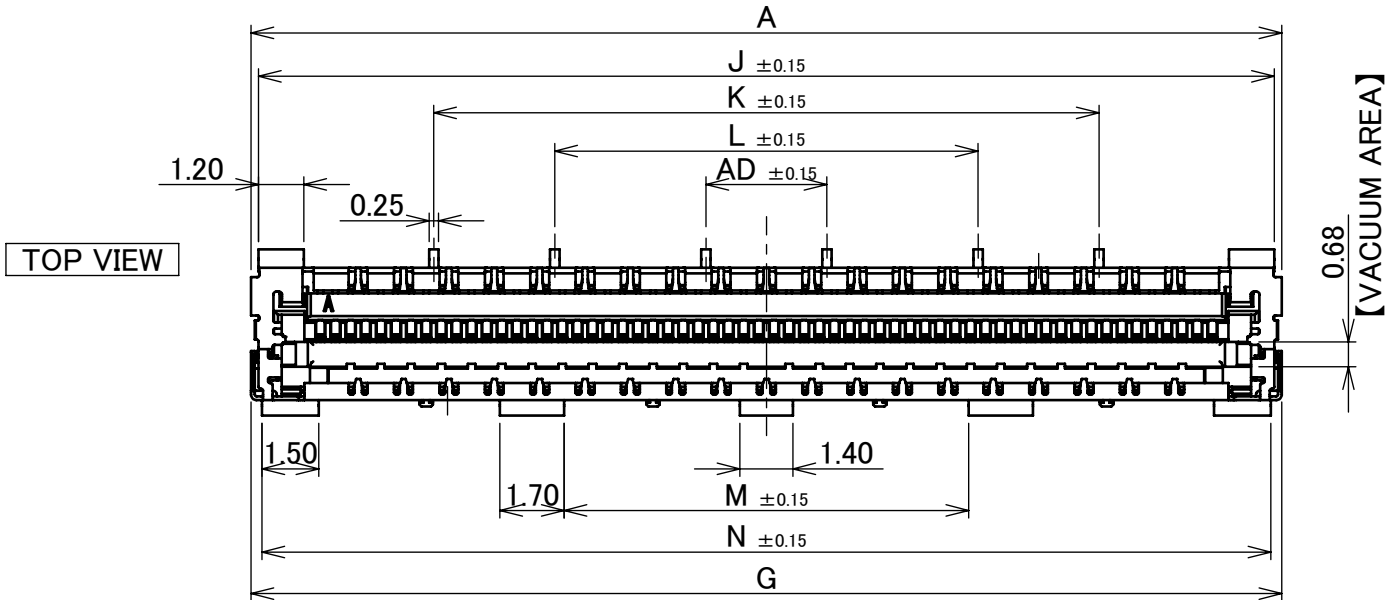
Halogen Free



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. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.		SIZE	SHEET	REV.
				20879		A3	3/14	5

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 PIN)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT PIN/UP TO 40 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 40 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 40 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 11 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 : ≦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 : ≦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. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	4/14	5

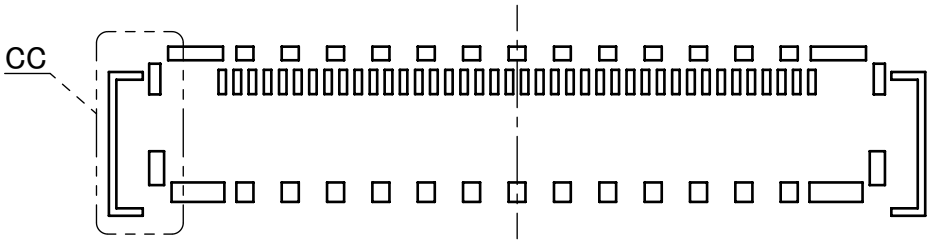
PART No.	Pos.
20879-030E-01	30
20879-040E-01	40
◆ 20879-060E-01	60

◆ MARK MEANS NOT AVAILABLE.

PATENT PENDING

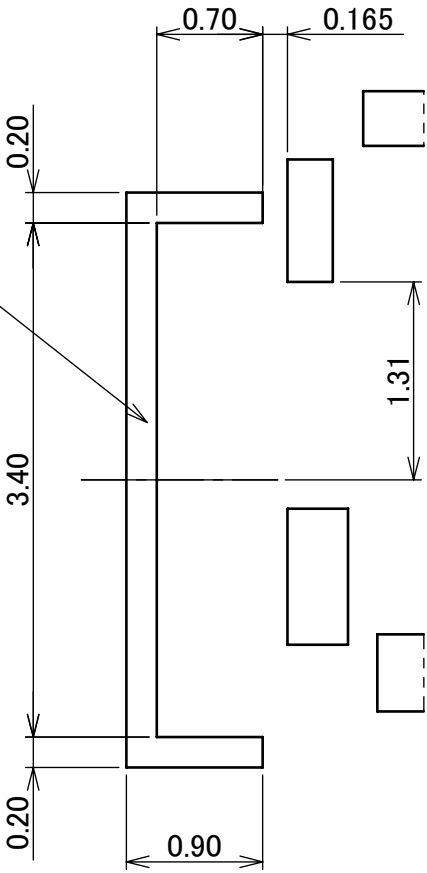
01 TYPE

With LOCK COVER



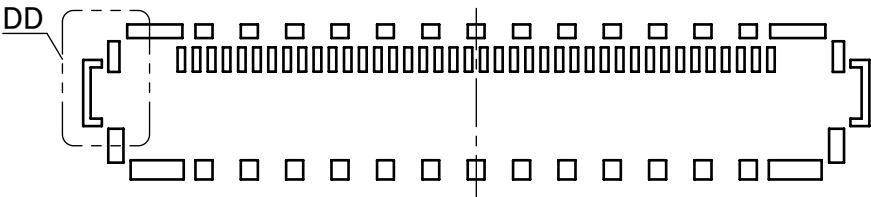
RECOMMENDED SILK PRINT For With LOCK COVER
(S=5/1)

SILK PRINT
For PLUG INSERTION CHECK

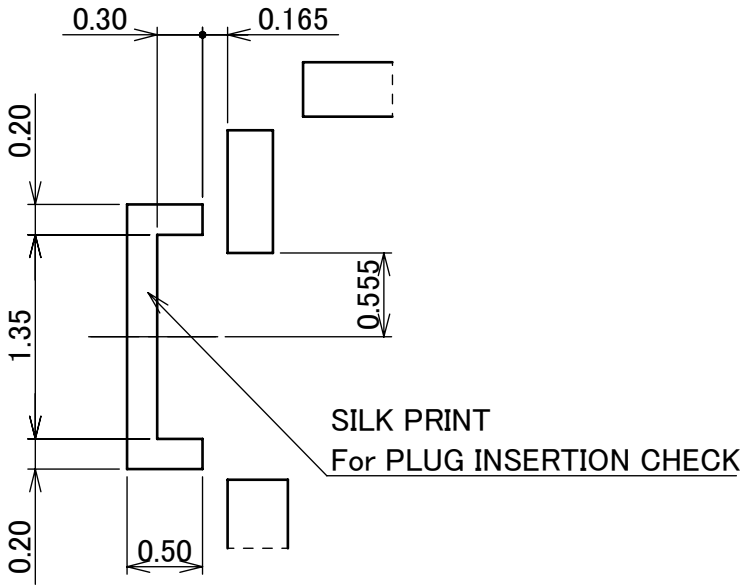


DETAIL CC
(S=20/1)

Without LOCK COVER & With PULL TAPE HOLDER



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



SILK PRINT
For PLUG INSERTION CHECK

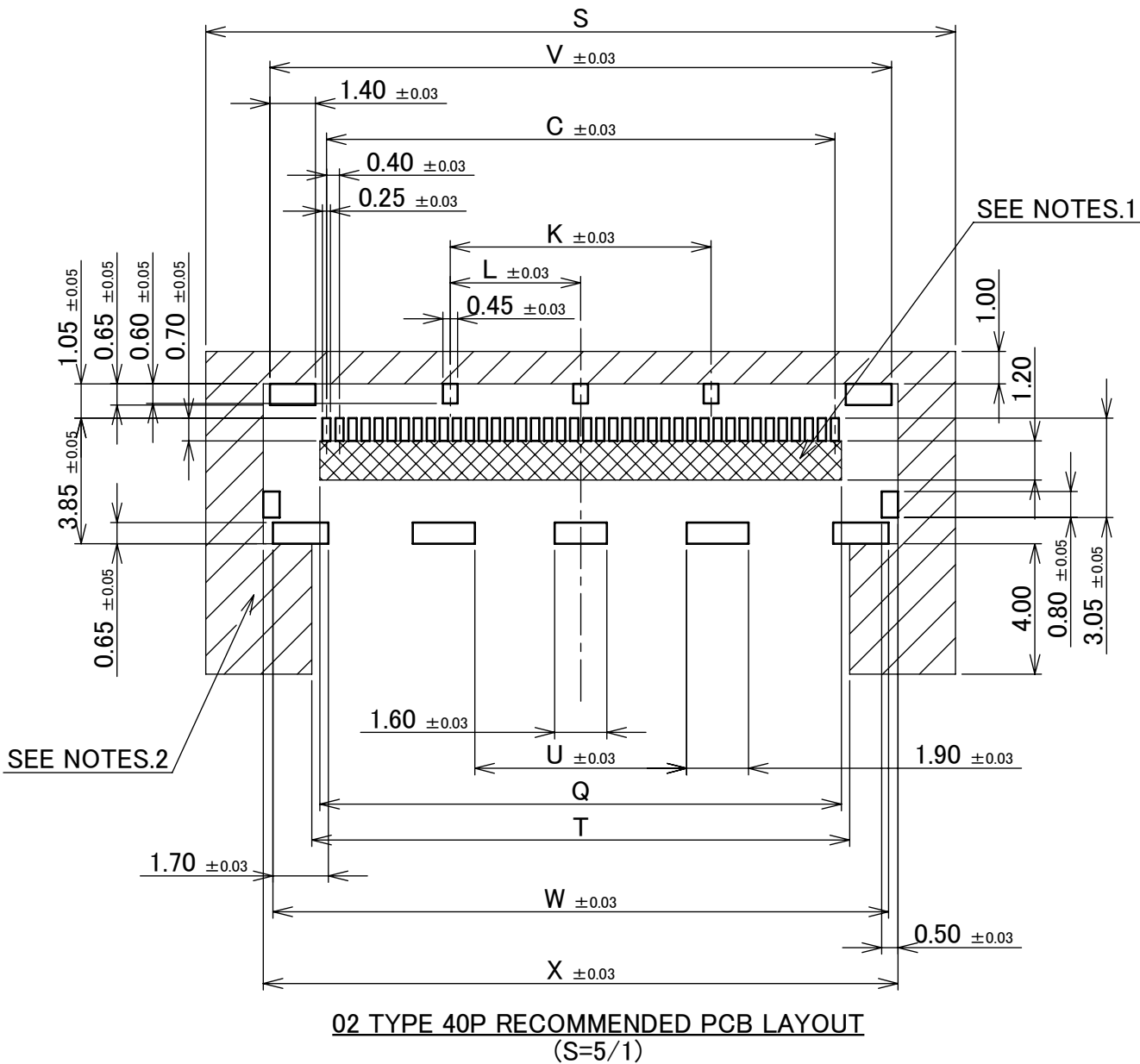
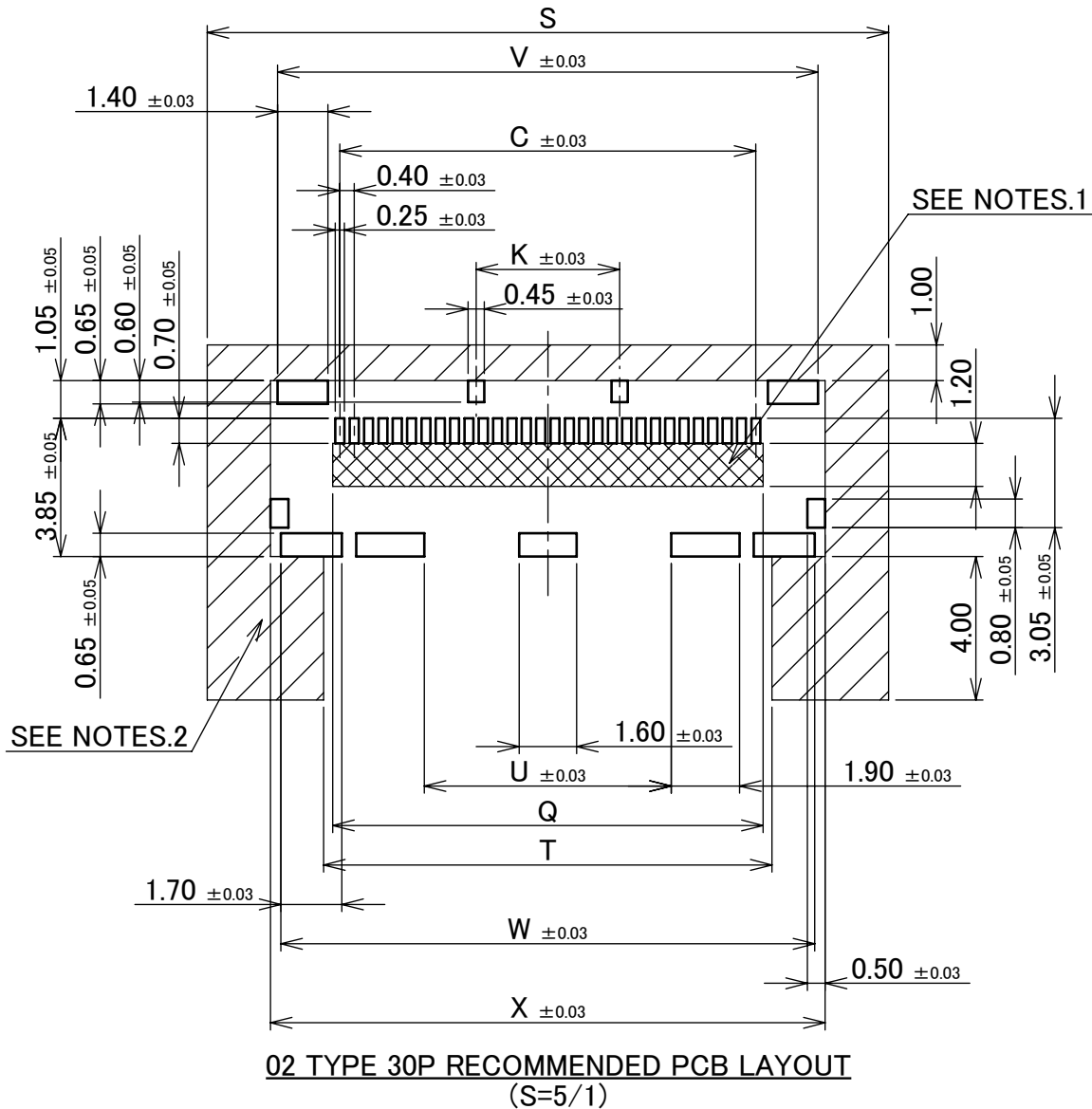
DETAIL DD
(S=20/1)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.		SIZE	SHEET	REV.
				20879		A3	6/14	5

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



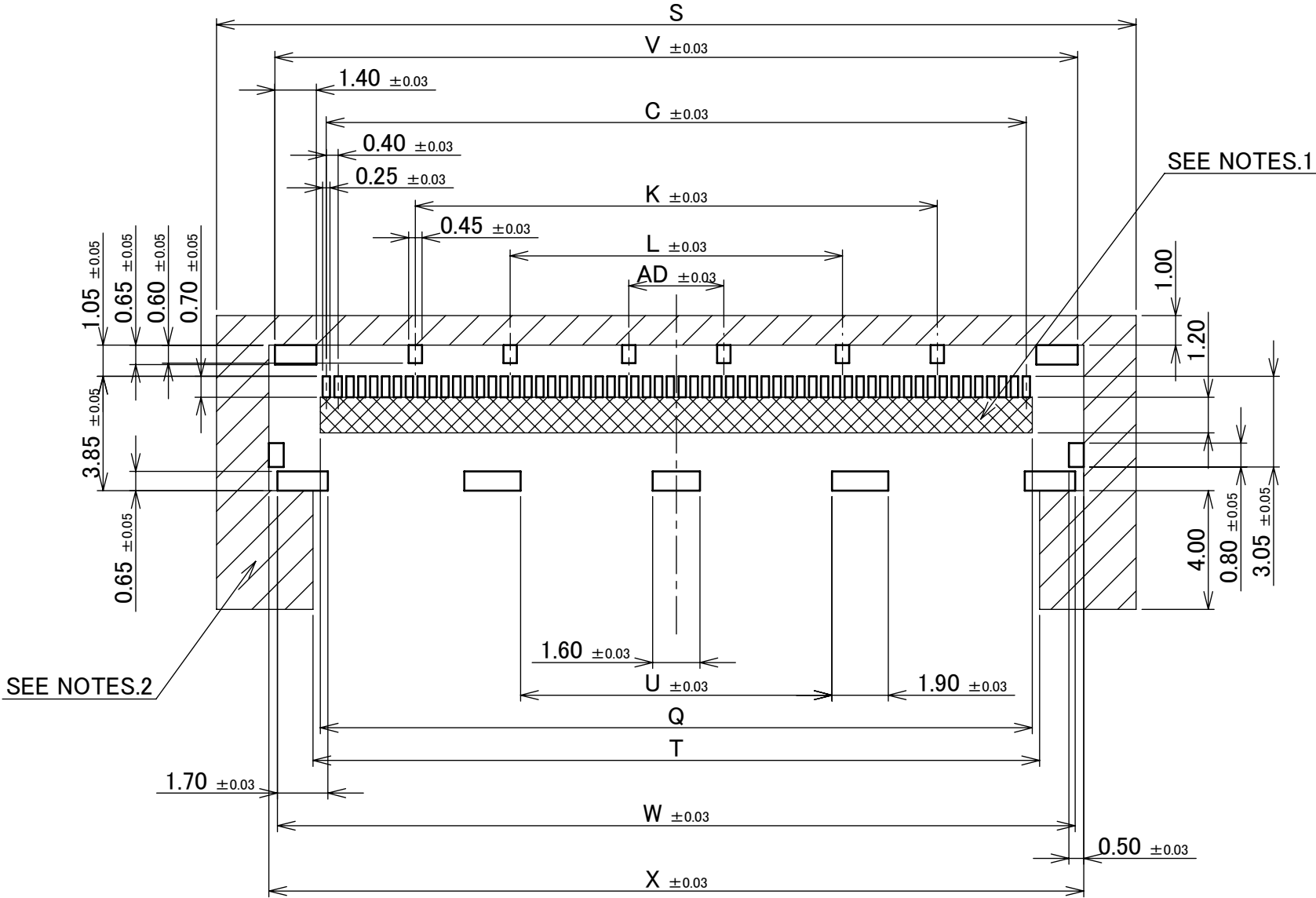
- NOTES.
- 1.SOLDER RESIST SHALL BE COATED IN CASE OF RUNNING TRACES ON THIS FOOT PRINT PATTERN PROHIBITION AREA.
 - 2.THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R4			
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	7/14	5

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)

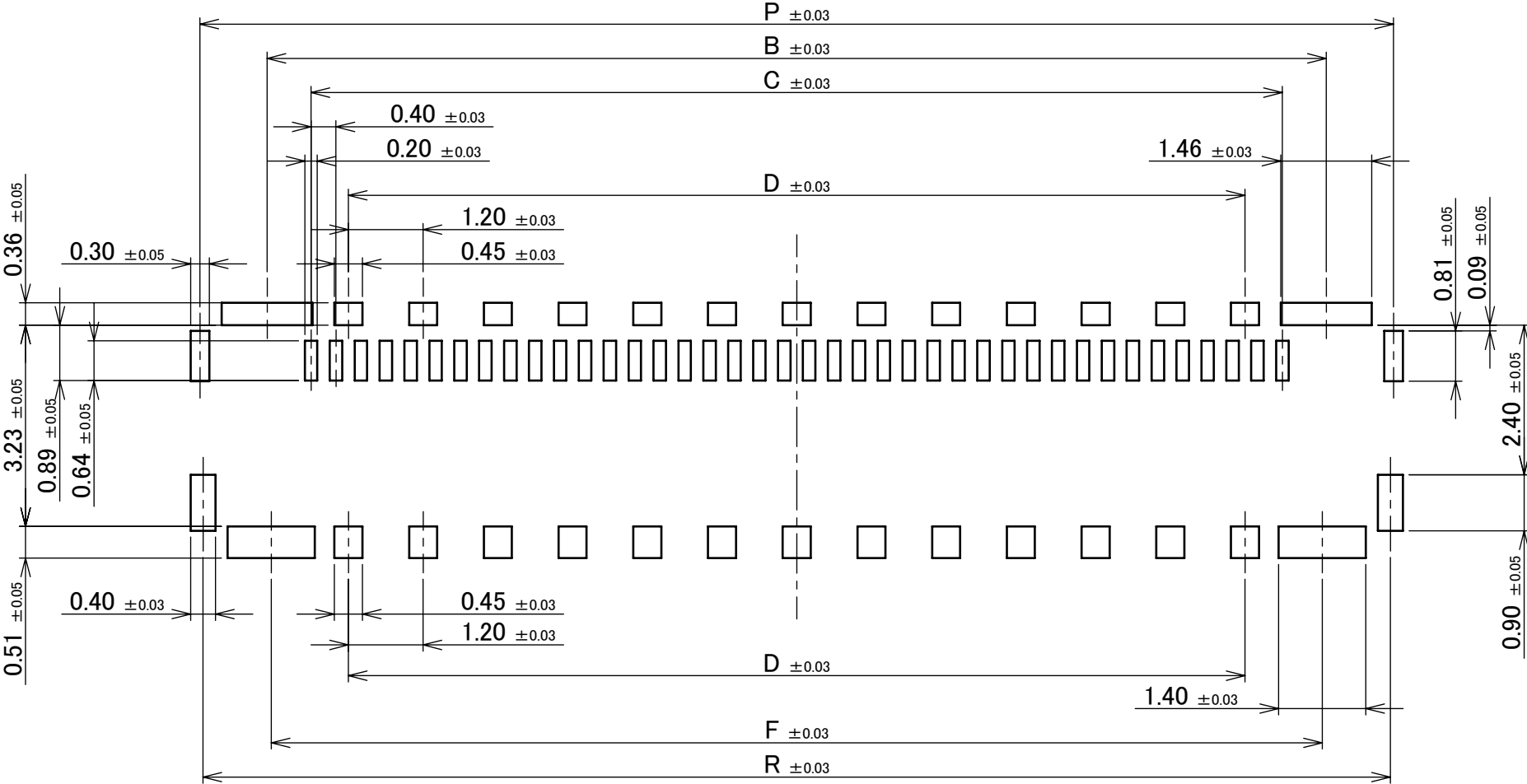
NOTES.
1.SOLDER RESIST SHALL BE COATED IN CASE OF RUNNING TRACES ON THIS
FOOT PRINT PATTERN PROHIBITION AREA.
2.THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R4			
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX	
DWG.	DATE			CABLINE® -UM RECE. ASS'Y		5:1		
CHK.						UNIT		
APP.				DWG. No.		SIZE	SHEET	REV.
				20879		A3	8/14	5

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

◆MARK MEANS NOT AVAILABLE.

01 TYPE



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

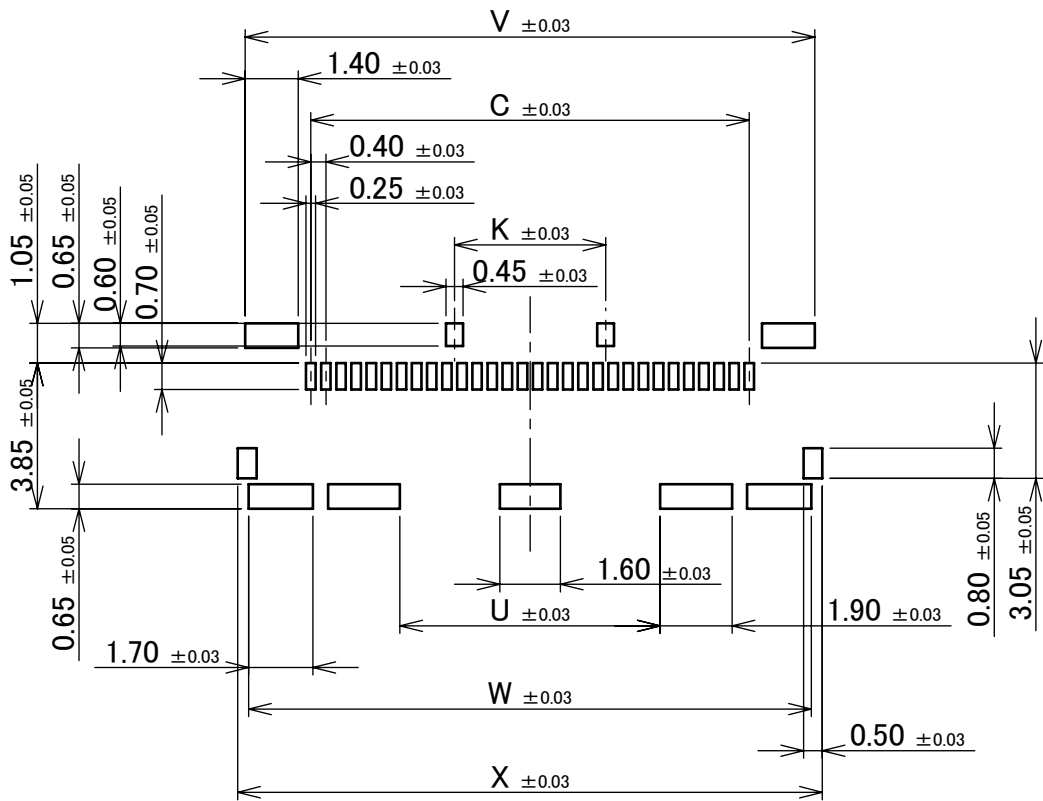
PATENT PENDING

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINÉ® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	9/14	5

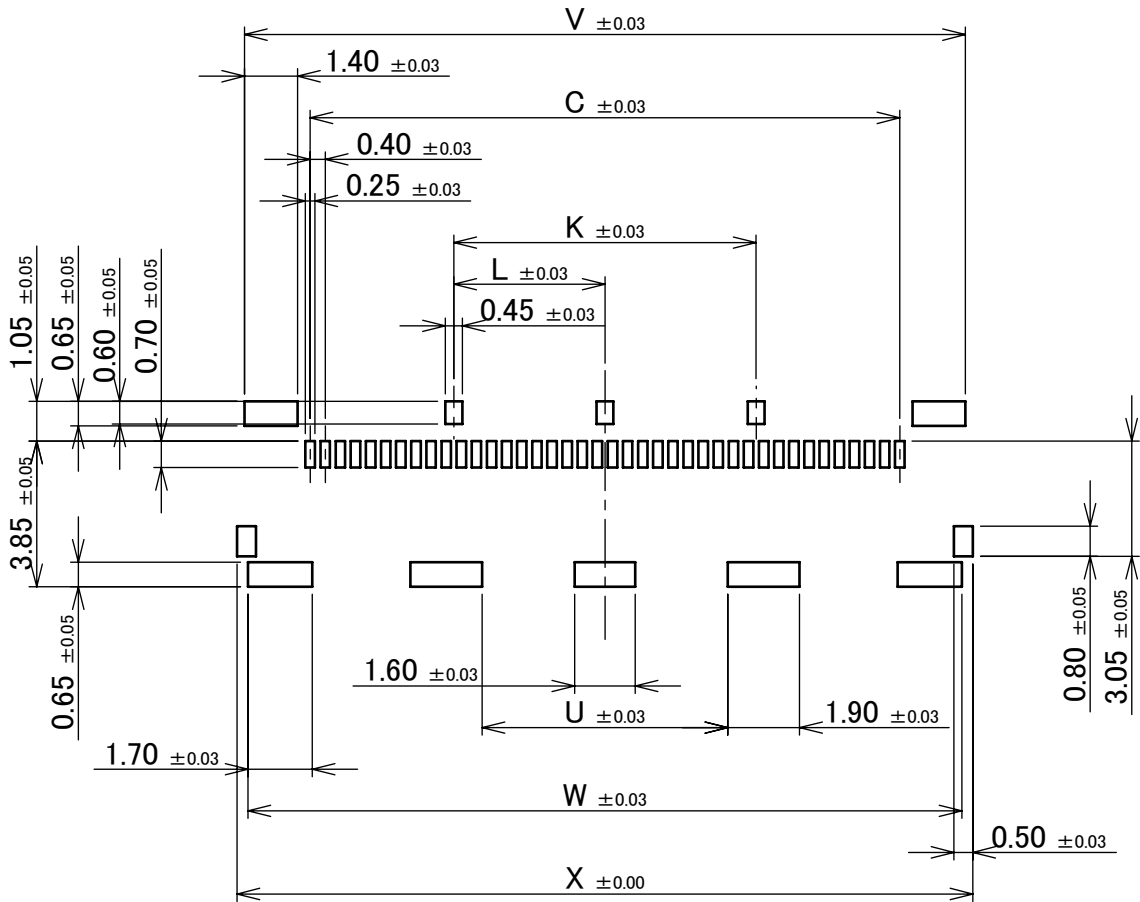
PART No.	Pos.	C	K	L	U	V	W	X
20879-030E-02	30	11.60	4.00	-	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47

PATENT PENDING

02 TYPE



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



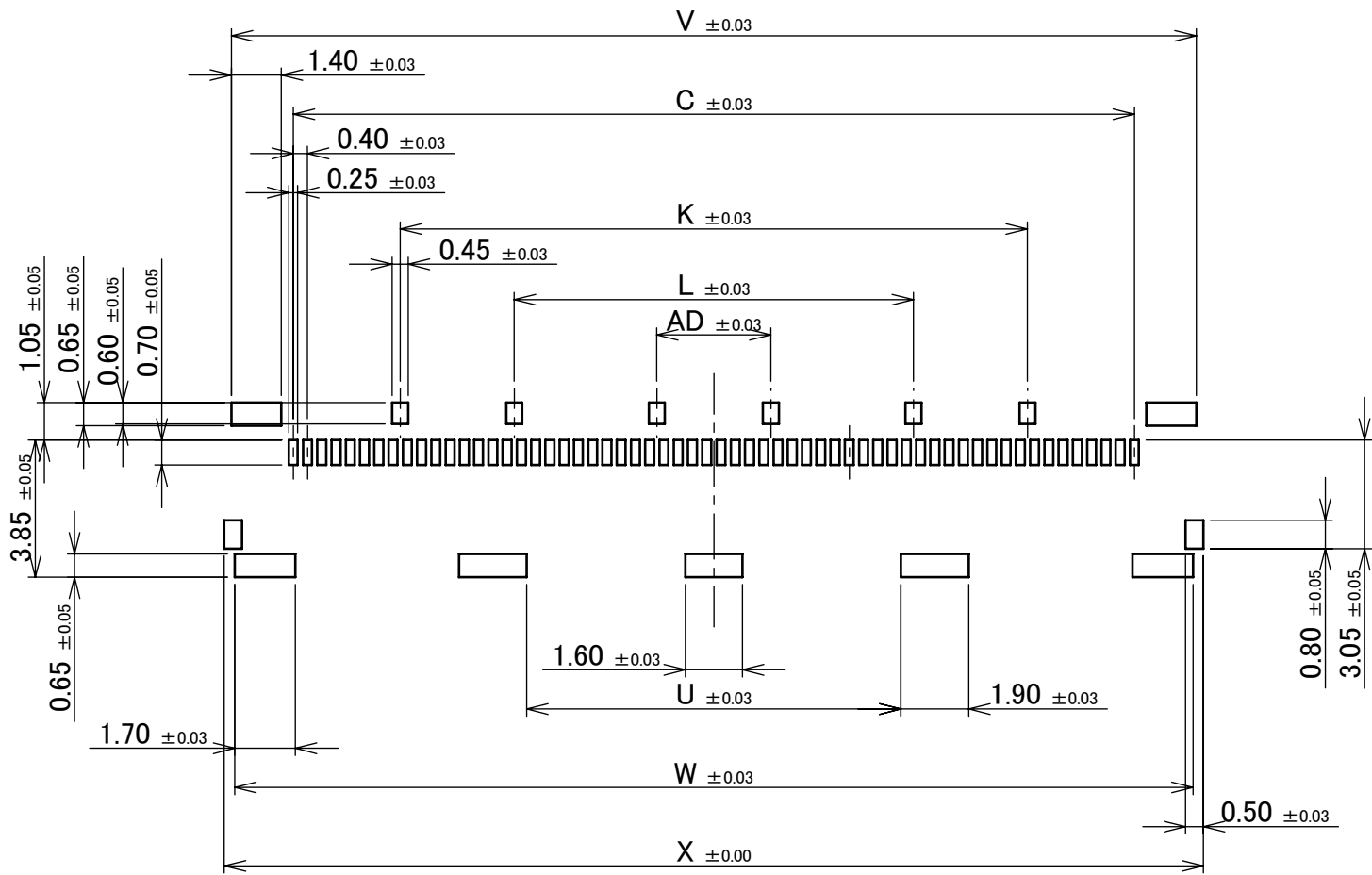
02 TYPE 40P RECOMMENDED METAL MASK LAYOUT (S=5/1)
※ METAL MASK THICKNESS : t = 0.12

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	10/14	5

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

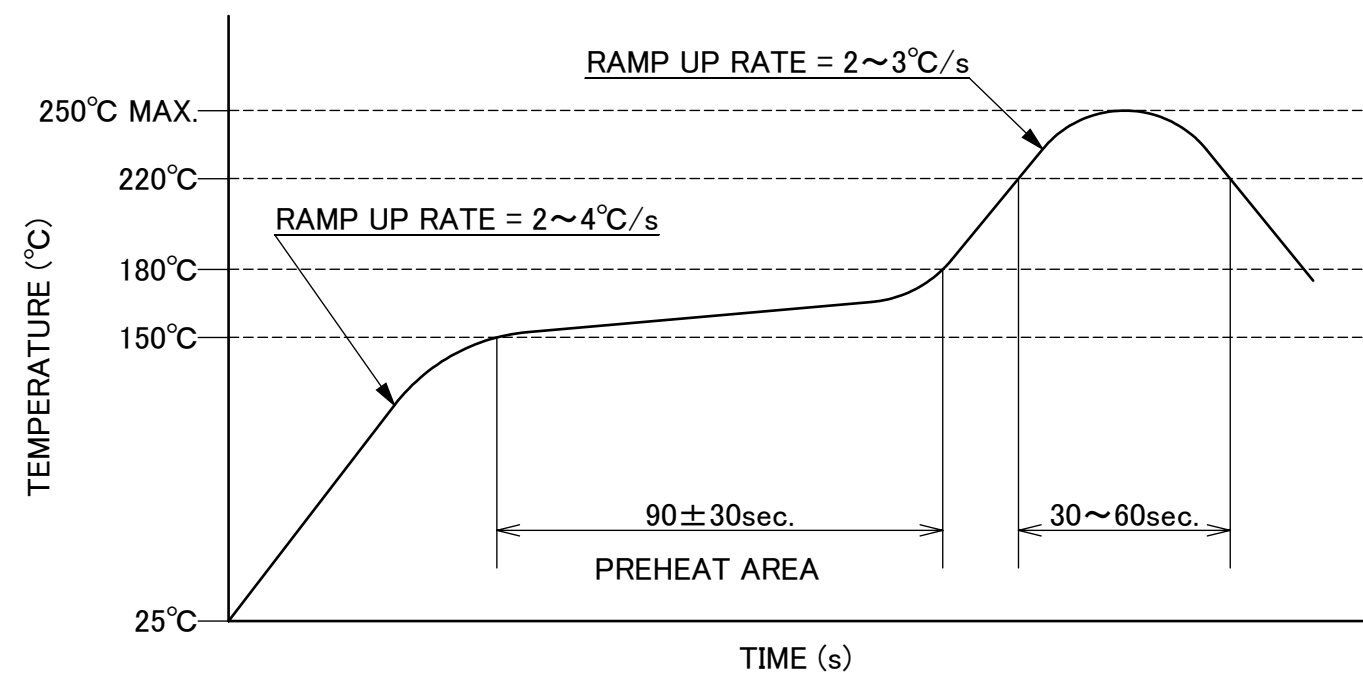
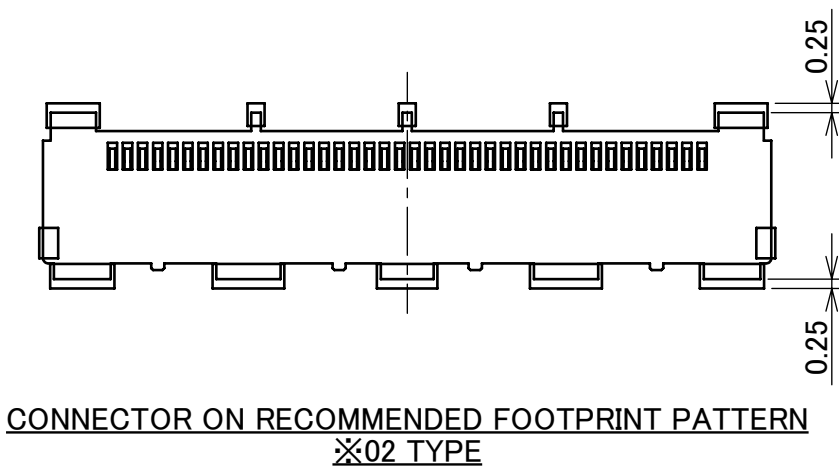
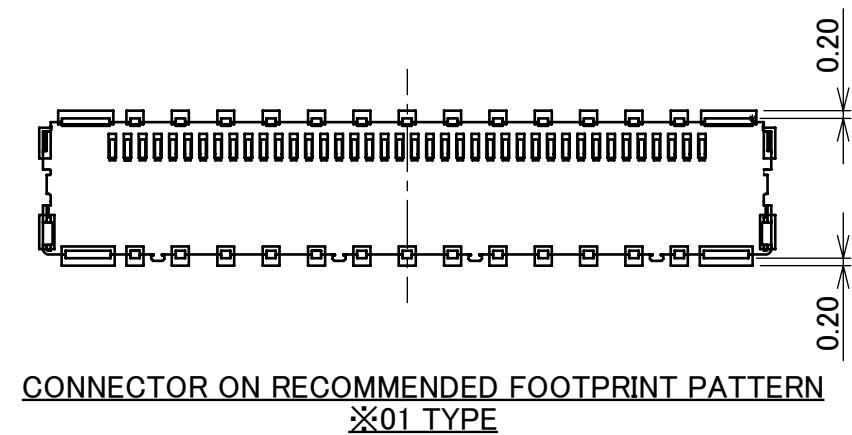
02 TYPE



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. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20879		SIZE A3	SHEET 11/14	REV. 5

PATENT PENDING

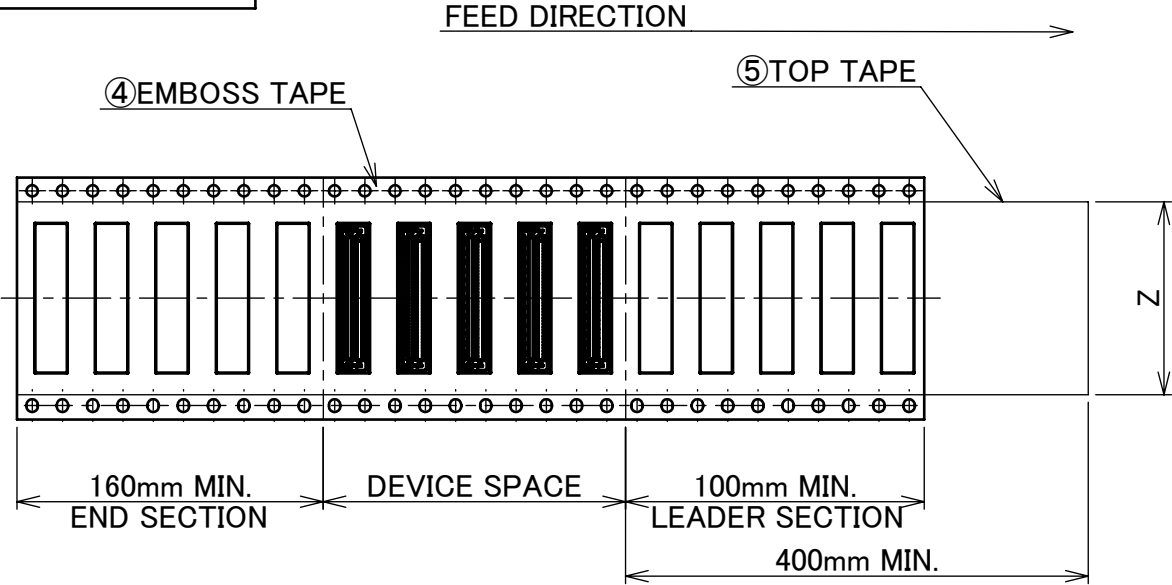
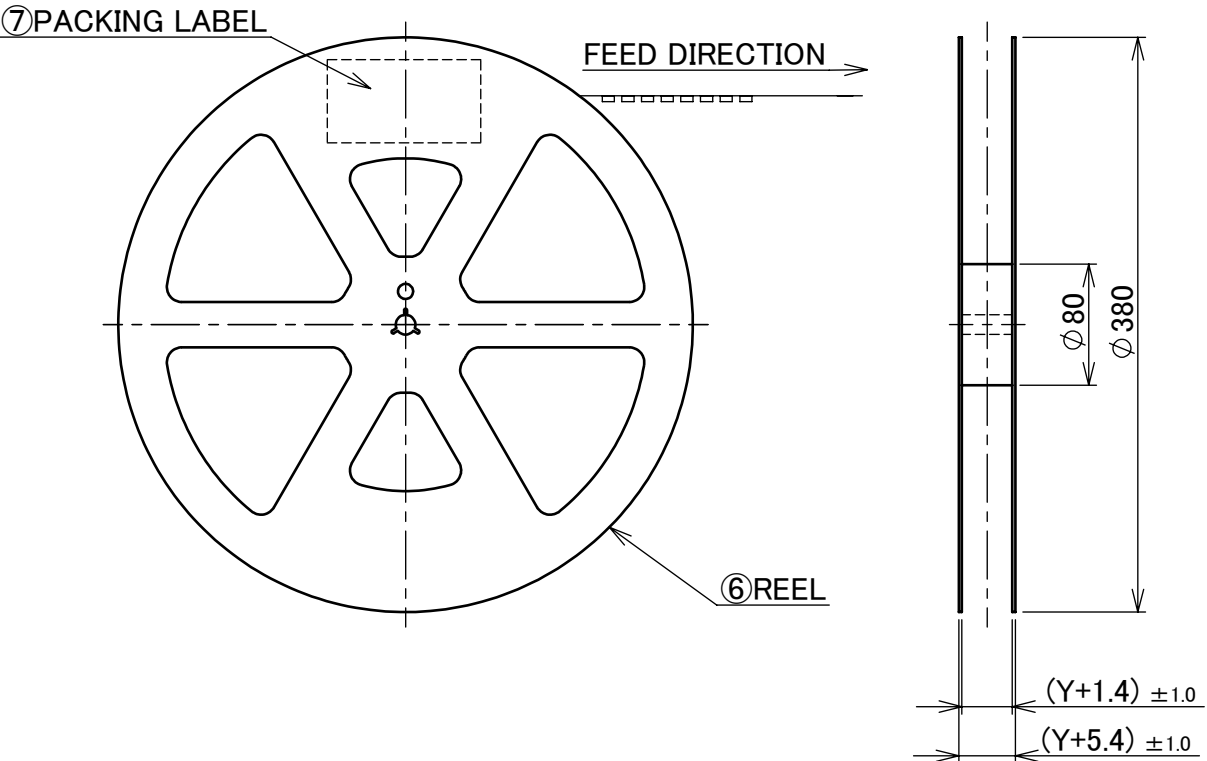


ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20879		SIZE A3	SHEET 12/14	REV. 5

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

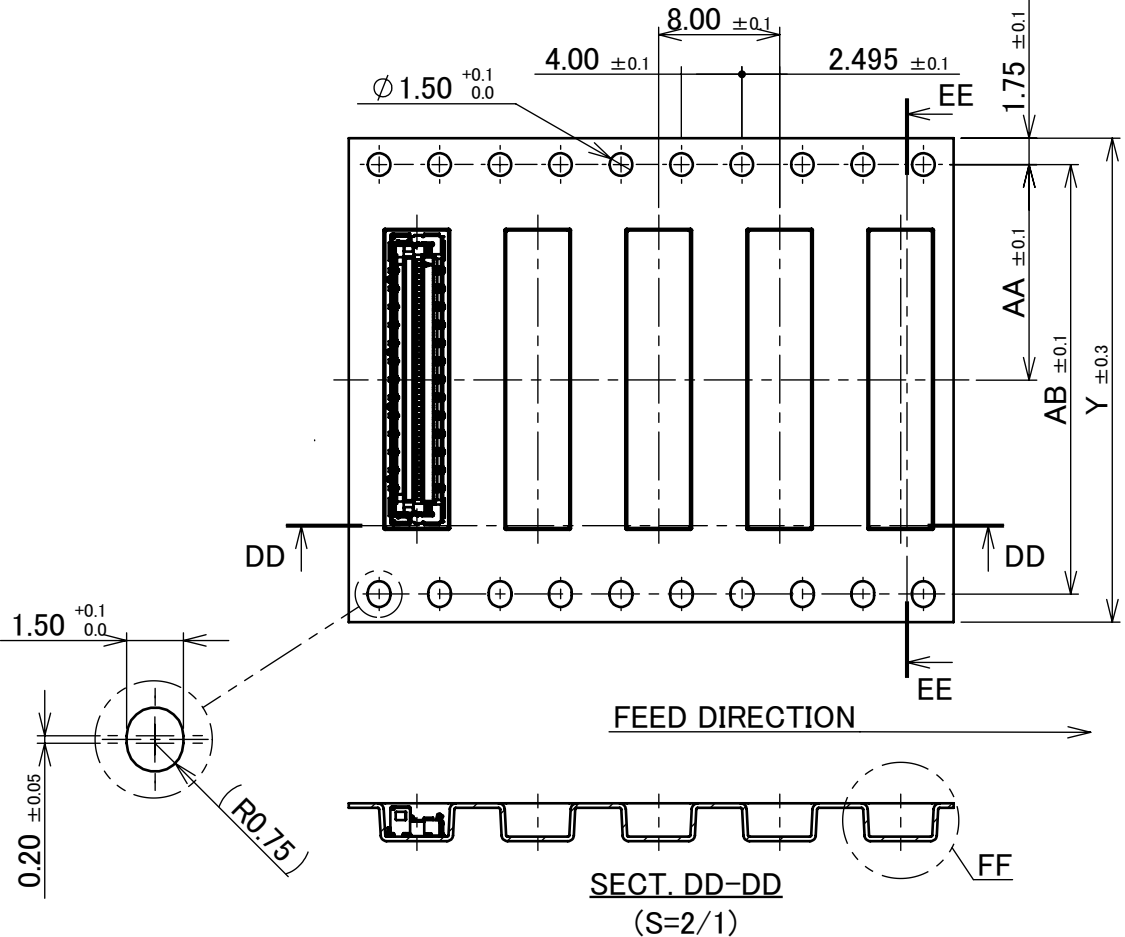
◆MARK MEANS NOT AVAILABLE.

01 TYPE



PATENT PENDING

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



SECT. EE-EE
(S=2/1)

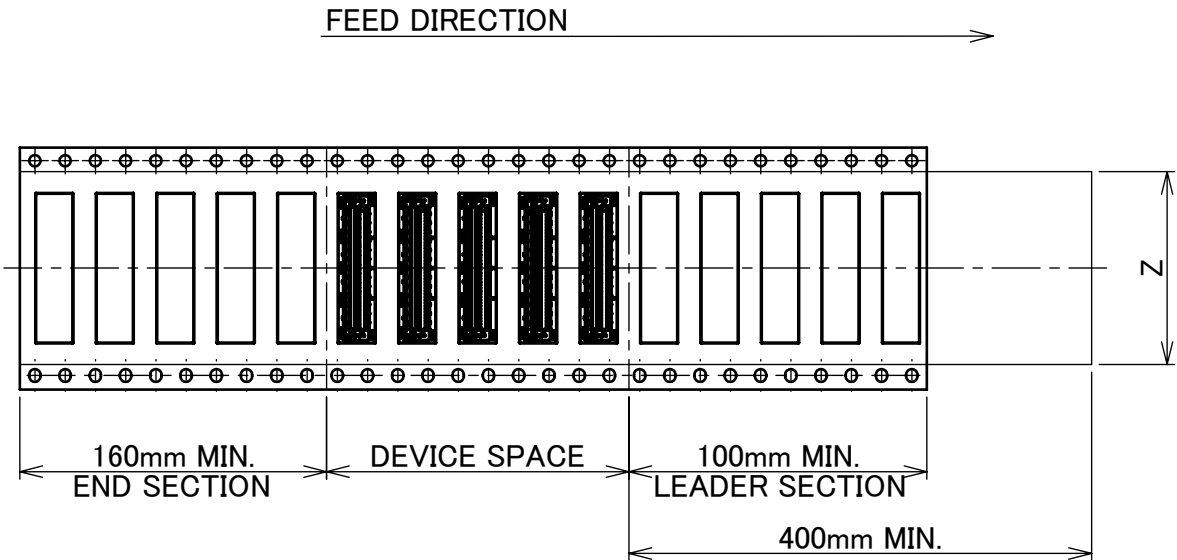
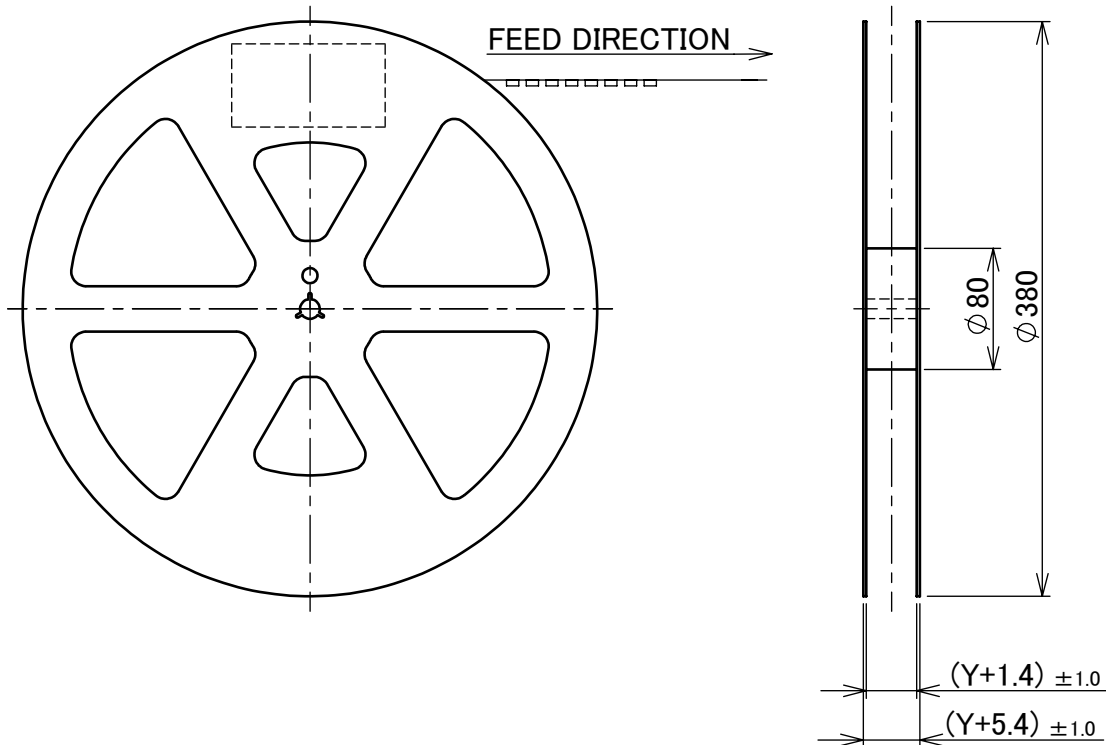
DETAIL FF
(S=5/1)

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.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R4	SCALE	I-PEX	
GENERAL TOLERANCE.					TITLE	5:1		
DWG. DATE					CABLIN® -UM RECE. ASS'Y	UNIT		
CHK.					DWG. No.	mm		
APP.					20879	SIZE	SHEET	REV.
						A3	13/14	5

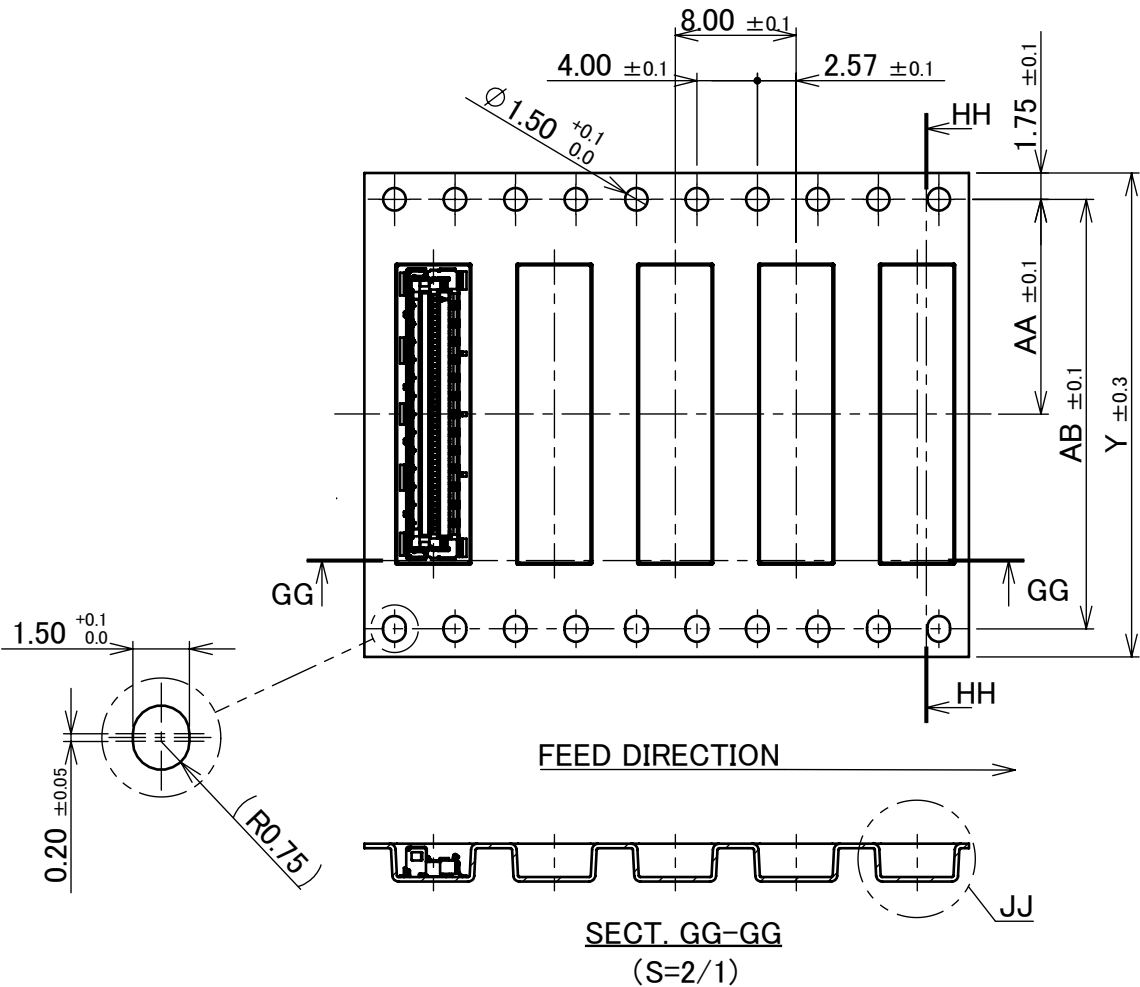
PART NO.	Y	Z	AA	AB	AC	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20879-030E-02	32.00	25.50	14.20	28.40	15.67	4500 / REEL	4 / CARTON = 18000
20879-040E-02	32.00	25.50	14.20	28.40	19.67	4500 / REEL	4 / CARTON = 18000
20.879-060E-02	44.00	37.50	20.20	40.40	27.67	4500 /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

02 TYPE

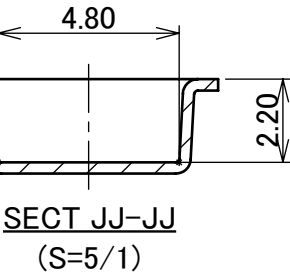


PATENT PENDING

- NOTES.
- 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.



SECT. HH-HH
(S=2/1)



ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R4	I-PEX		
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	14/14	5