

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

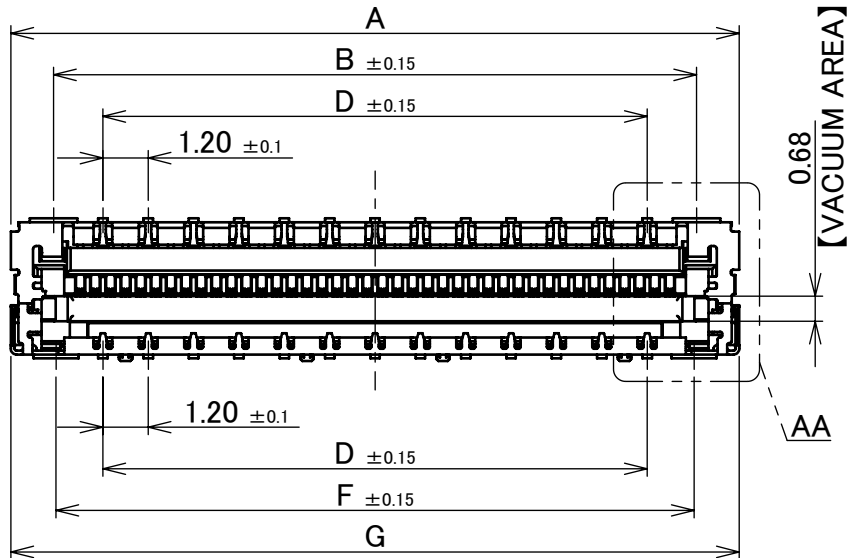


Halogen Free

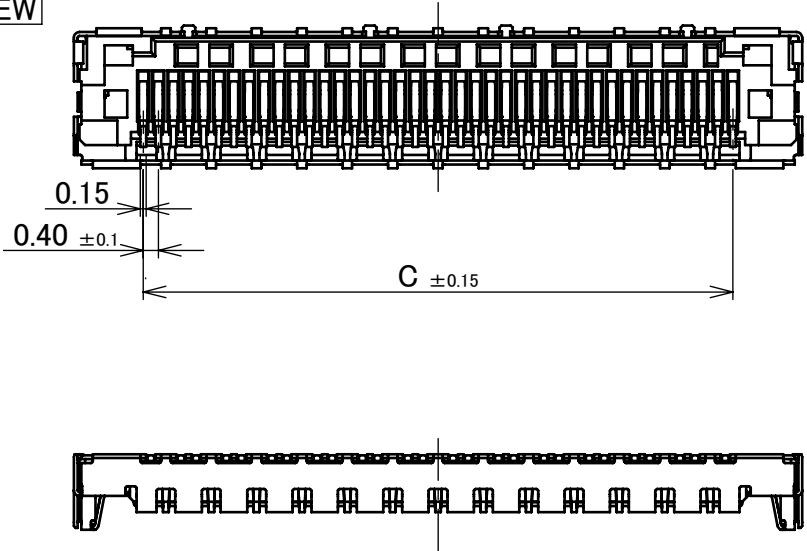


RoHS Compliant

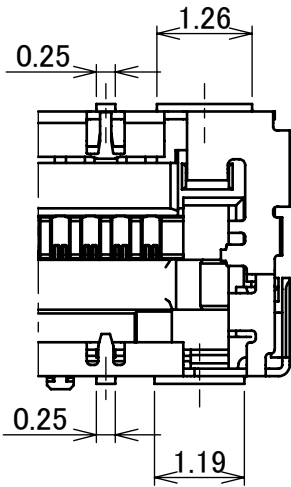
TOP VIEW



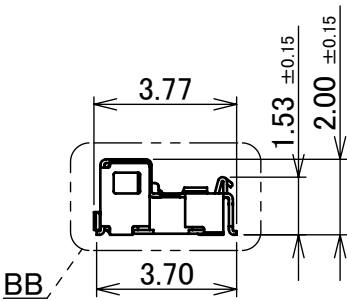
BOTTOM VIEW



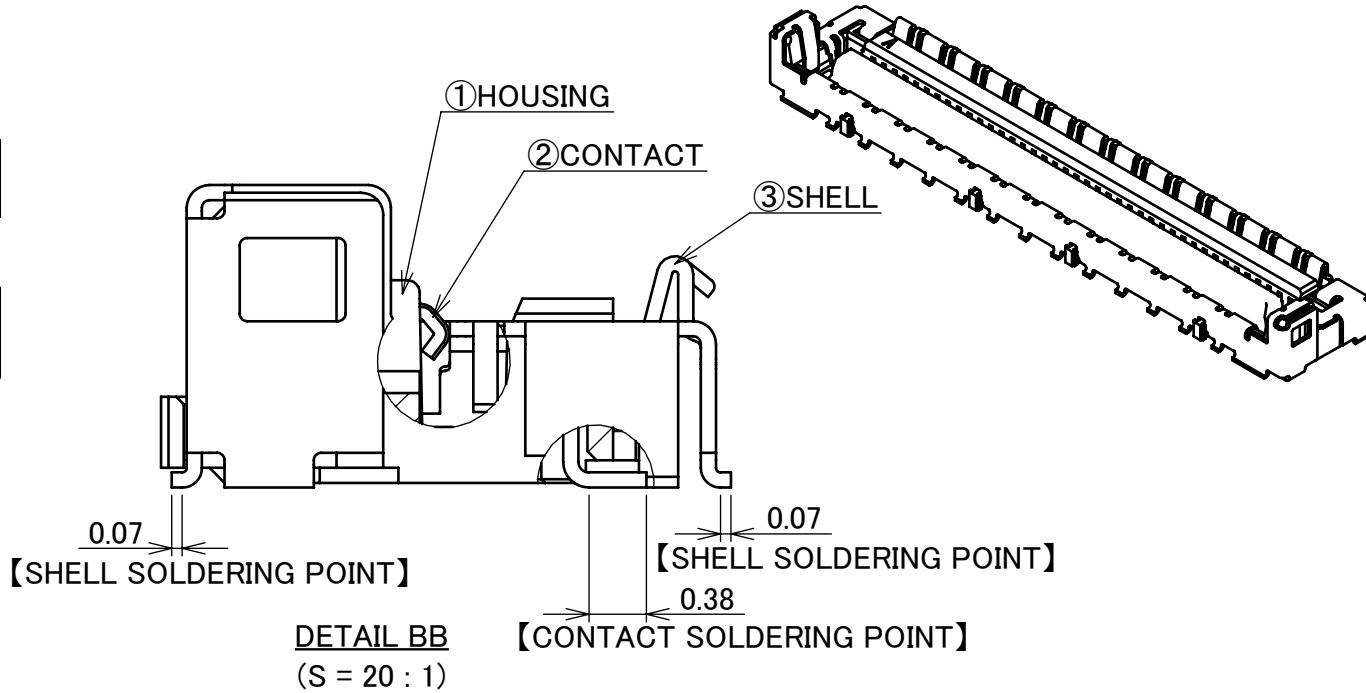
PATENT PENDING



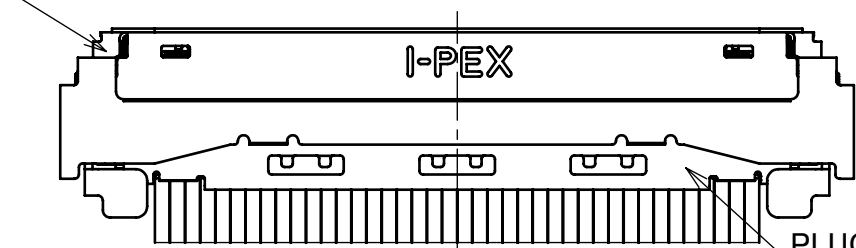
DETAIL AA
(S = 10 : 1)



DETAIL BB
(S = 20 : 1)



RECE. P/N : 20879-0**E-01



PLUG. P/N : 20877-0**T-0#

MATING CONDITION

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

9	Z230295	Y.I	Mar./15/'23	M.T	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	R5	CUSTOMER COPY		
8	Z230039	K.B	Jan./13/'23	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
7	Z221402	T.M	Dec./12/'22	H.I	GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y	SCALE	I-PEX			
6	Z221346	T.M	Dec./01/'22	H.I	DWG.	DATE		T.Masunaga 2019/01/10		5:1				
5	Z220874	T.M	Aug./02/'22	H.I	CHK.		—			UNIT				
4	Z211301	T.M	Nov./01/'21	H.I	APP.			mm						
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.	20879	SIZE	SHEET	REV.	
REVISION RECORD					H.Ikari				A31/149					

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

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

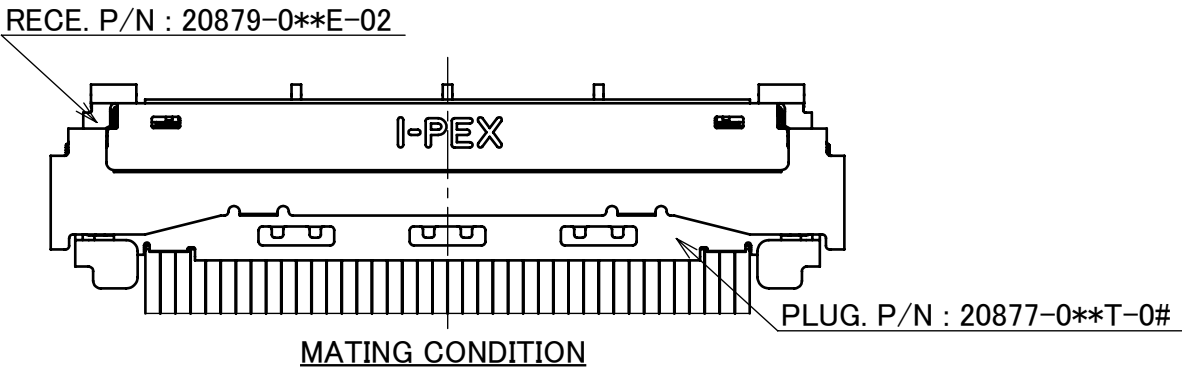
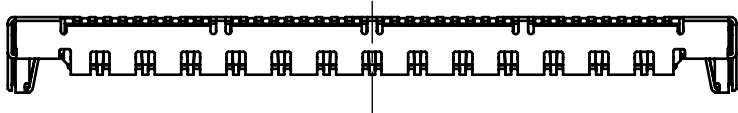
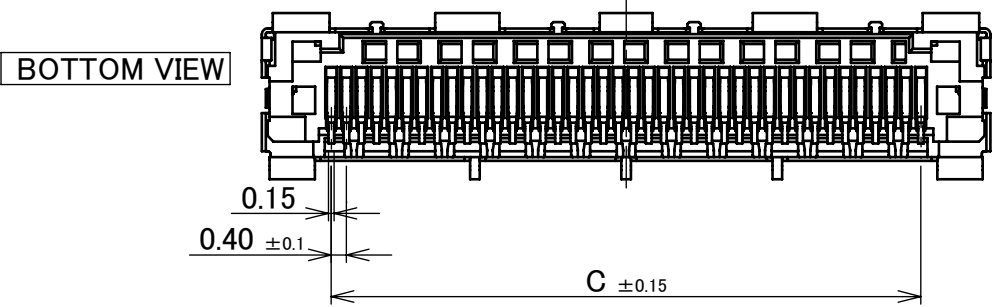
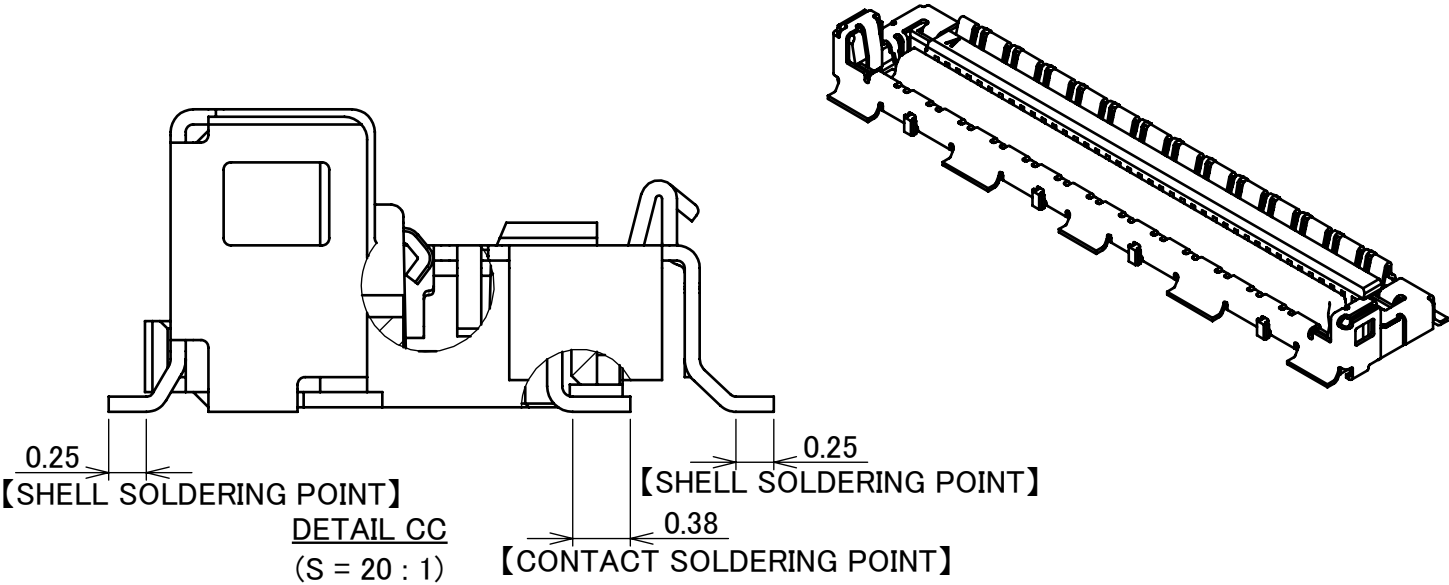
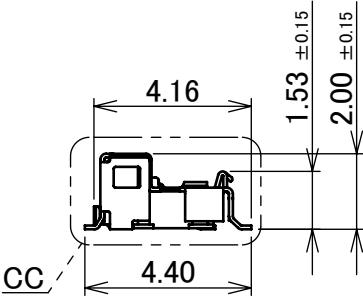
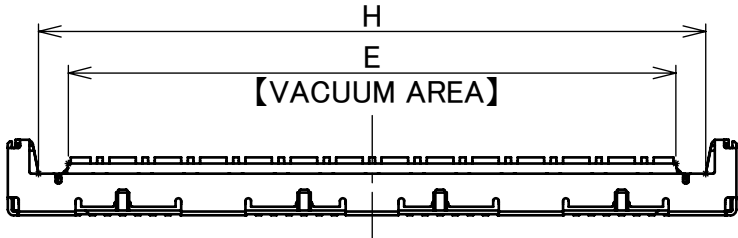
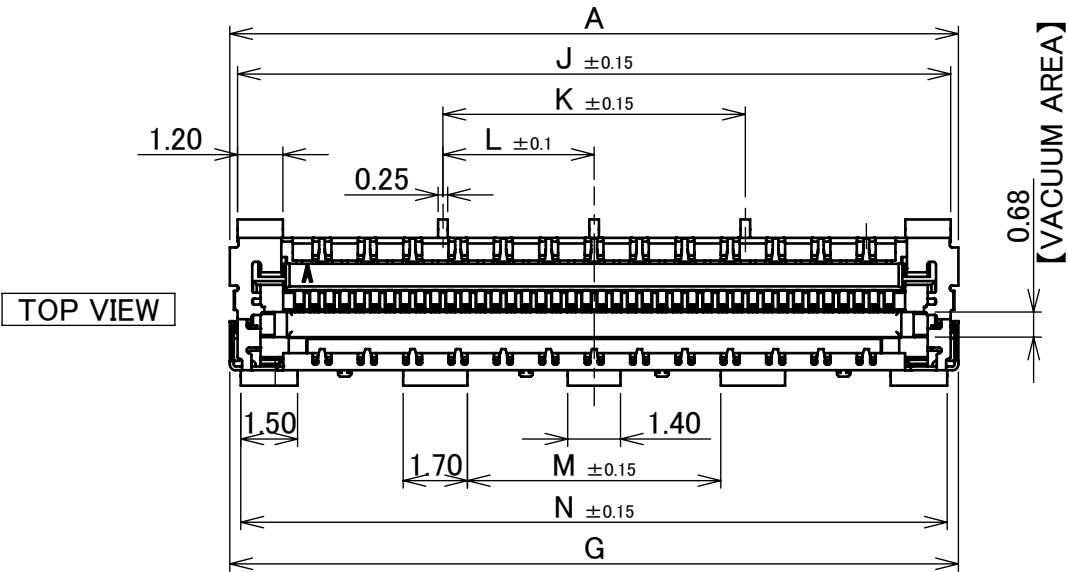
02 TYPE



Halogen Free



RoHS Compliant



PATENT PENDING

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 CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE		5:1					
						UNIT		
						mm		
CHK.			DWG. No.		SIZE	SHEET	REV.	
APP.					20879	A3	2/14	9

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

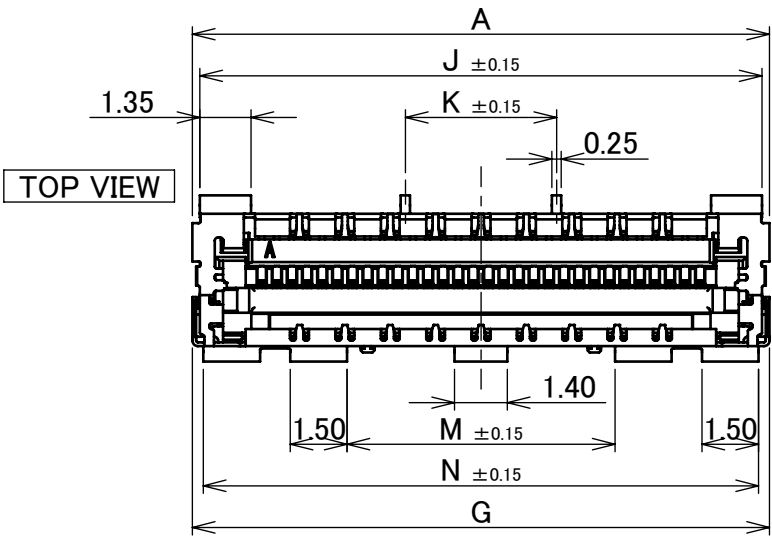
02 TYPE



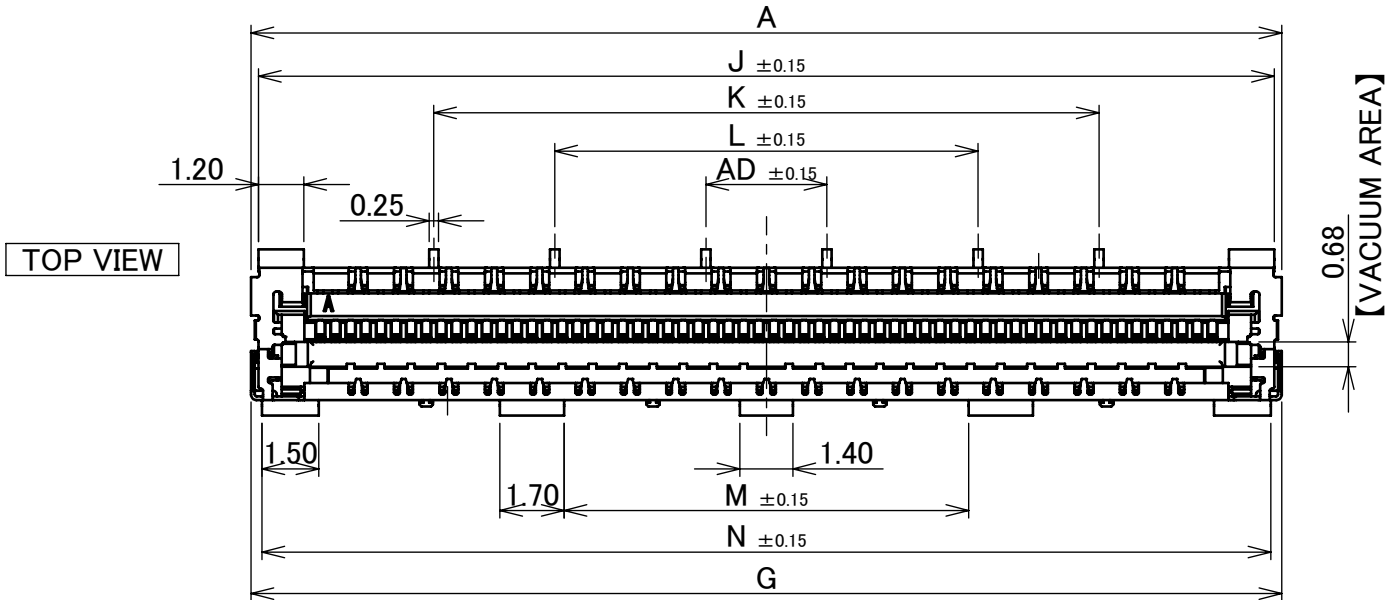
Halogen Free



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 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	9

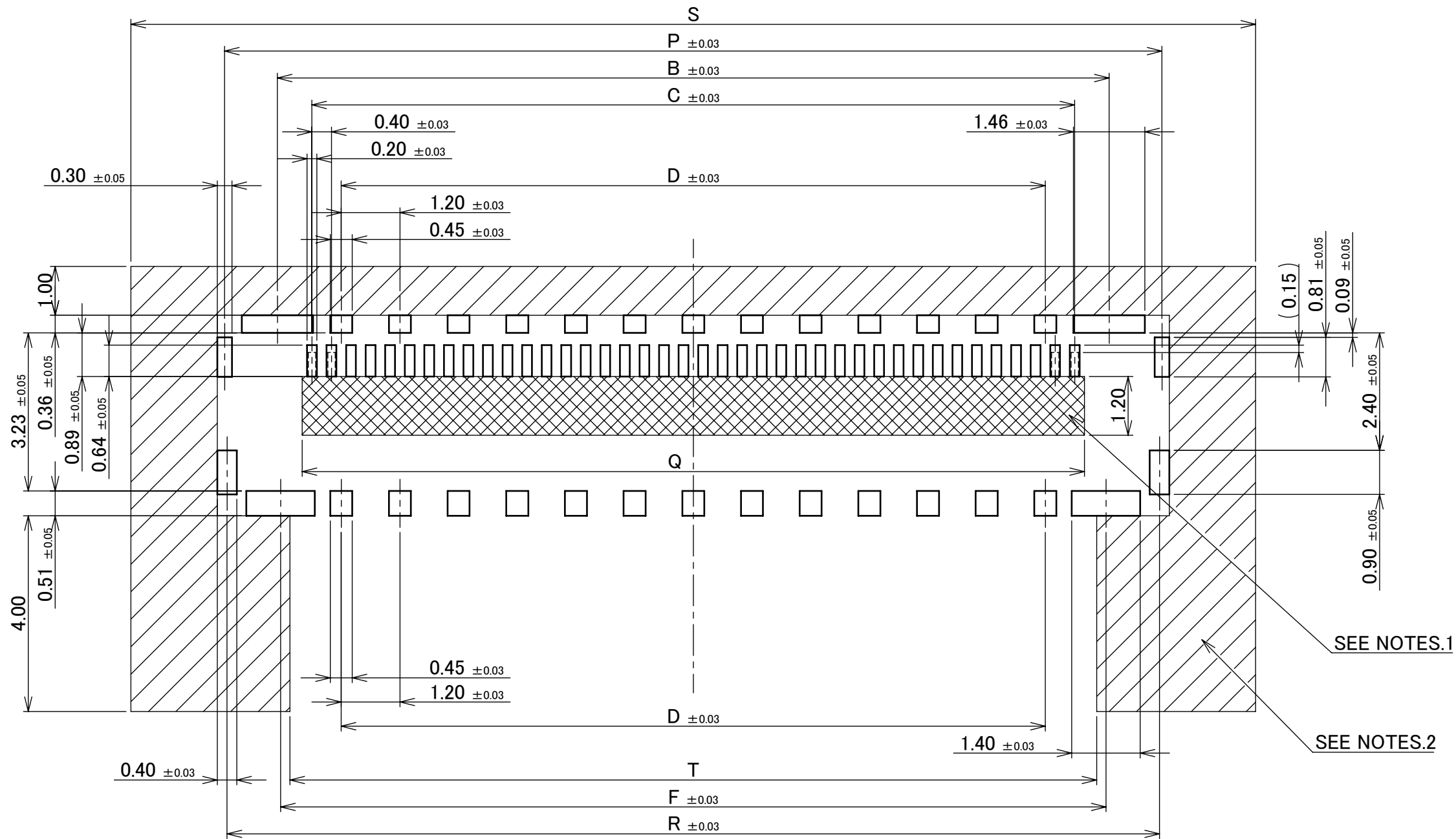
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE : AWG# 36 , 34 TWINCOAX : AWG# 40 , 42
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 49 CONTACTS 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 : ≦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. R5	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					-		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20879	SIZE	SHEET	REV.
						A3	4/14	9

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

◆MARK MEANS NOT AVAILABLE.

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.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R5	SCALE	I-PEX	
GENERAL TOLERANCE.				TITLE		10:1		
DWG.	DATE			CABLIN® -UM		UNIT		
CHK.				RECE. ASS'Y		mm		
APP.				DWG. No.	20879	SIZE	SHEET	REV.
						A3	5/14	9

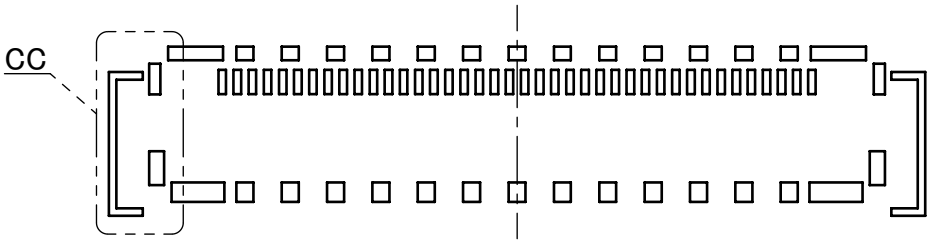
PART No.	Pos.
20879-030E-01	30
20879-040E-01	40
◆ 20879-060E-01	60

◆ MARK MEANS NOT AVAILABLE.

PATENT PENDING

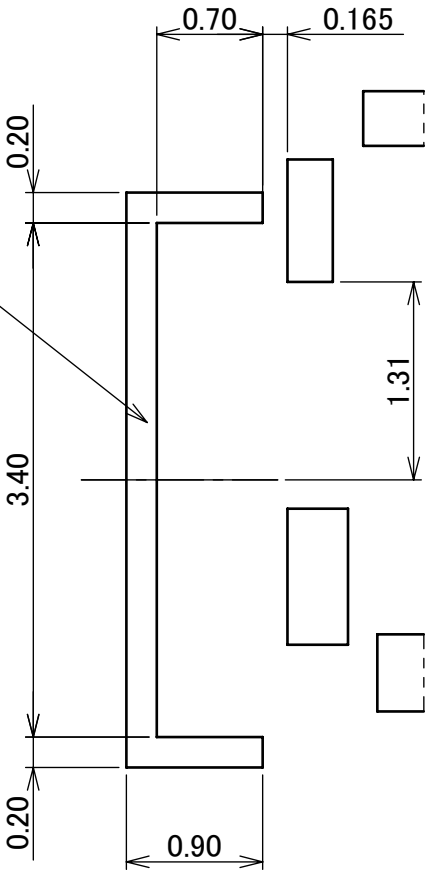
01 TYPE

With LOCK COVER



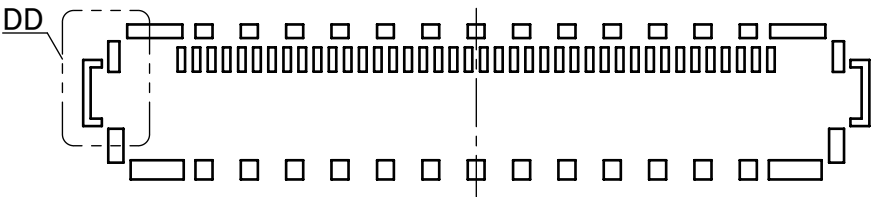
RECOMMENDED SILK PRINT For With LOCK COVER
(S = 5 : 1)

SILK PRINT
For PLUG INSERTION CHECK

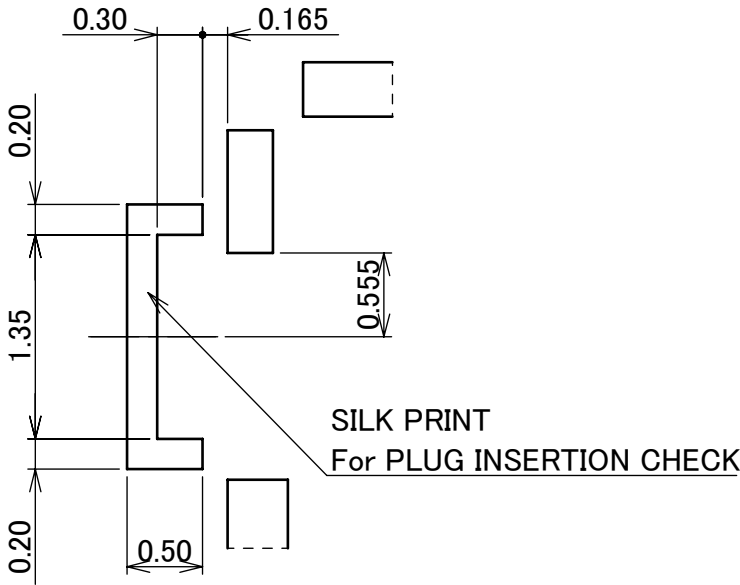


DETAIL CC
(S = 20 : 1)

Without LOCK COVER &
With PULL TAPE HOLDER



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



SILK PRINT
For PLUG INSERTION CHECK

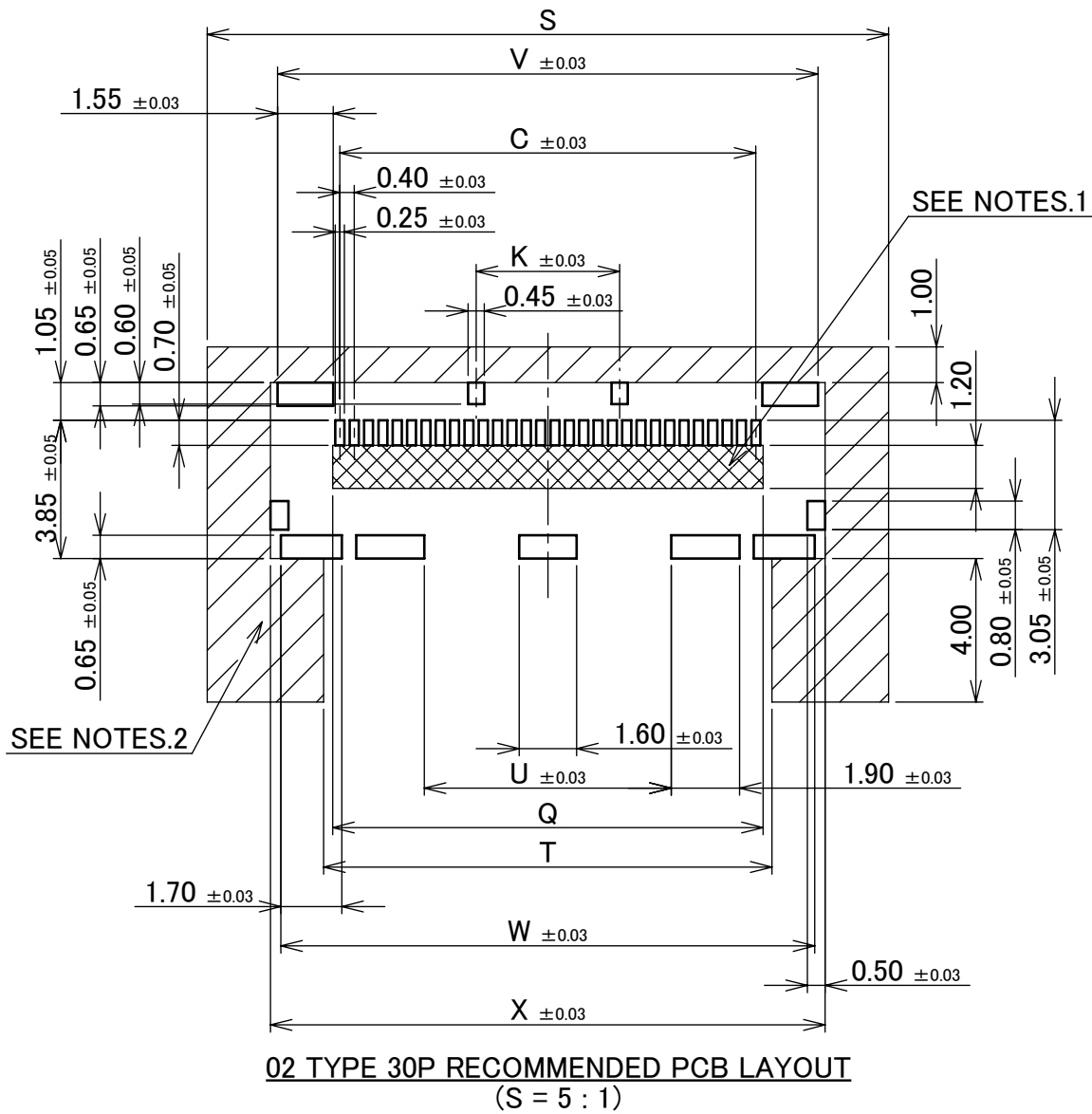
DETAIL DD
(S = 20 : 1)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R5	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	9

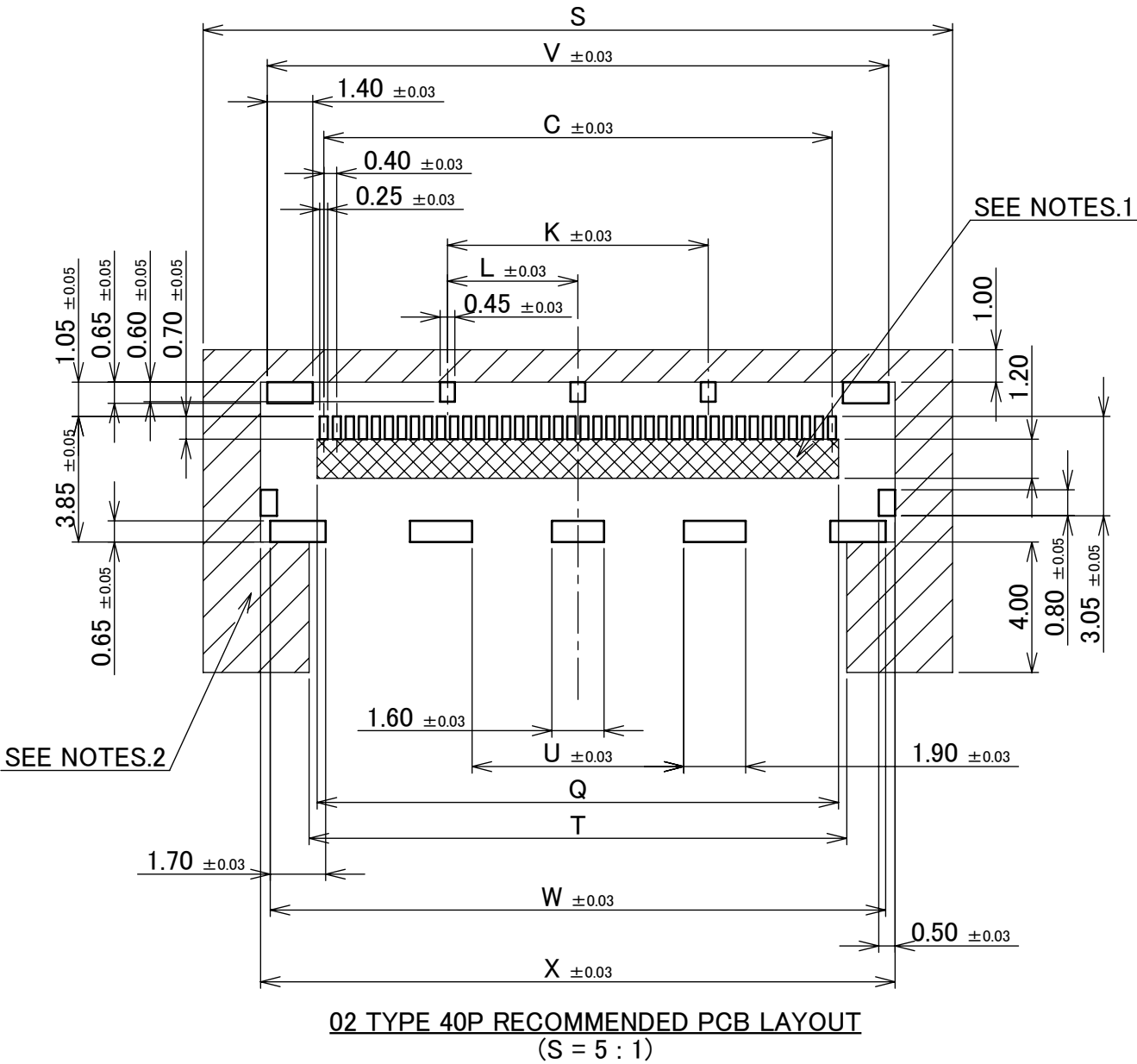
PART No.	Pos.	C	K	L	Q	S	T	U	V	W	X
20879-030E-02	30	11.60	4.00	-	12.00	19.00	12.50	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	16.00	23.00	16.50	6.50	19.07	18.89	19.47
20879-060E-02	60	23.60	17.60	11.20	24.00	31.00	24.50	10.50	27.07	26.89	27.47

PATENT PENDING

02 TYPE



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

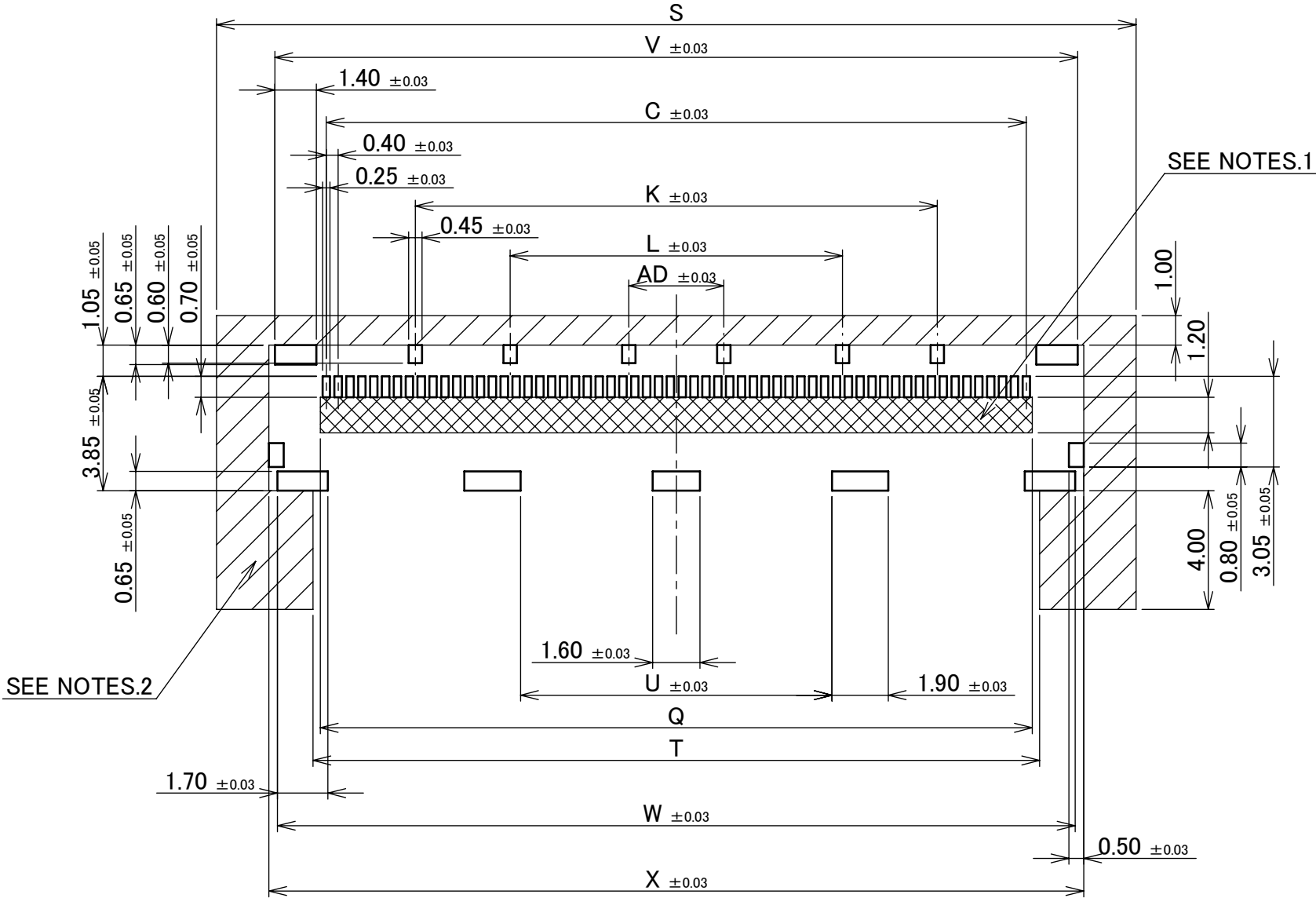


ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R5			
GENERAL TOLERANCE.				TITLE		SCALE		
DWG.	DATE			CABLINE® -UM		5:1		
CHK.				RECE. ASS'Y		UNIT	I-PEX	
APP.				DWG. No.		SIZE	SHEET	REV.
				20879		A3	7/14	9

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)

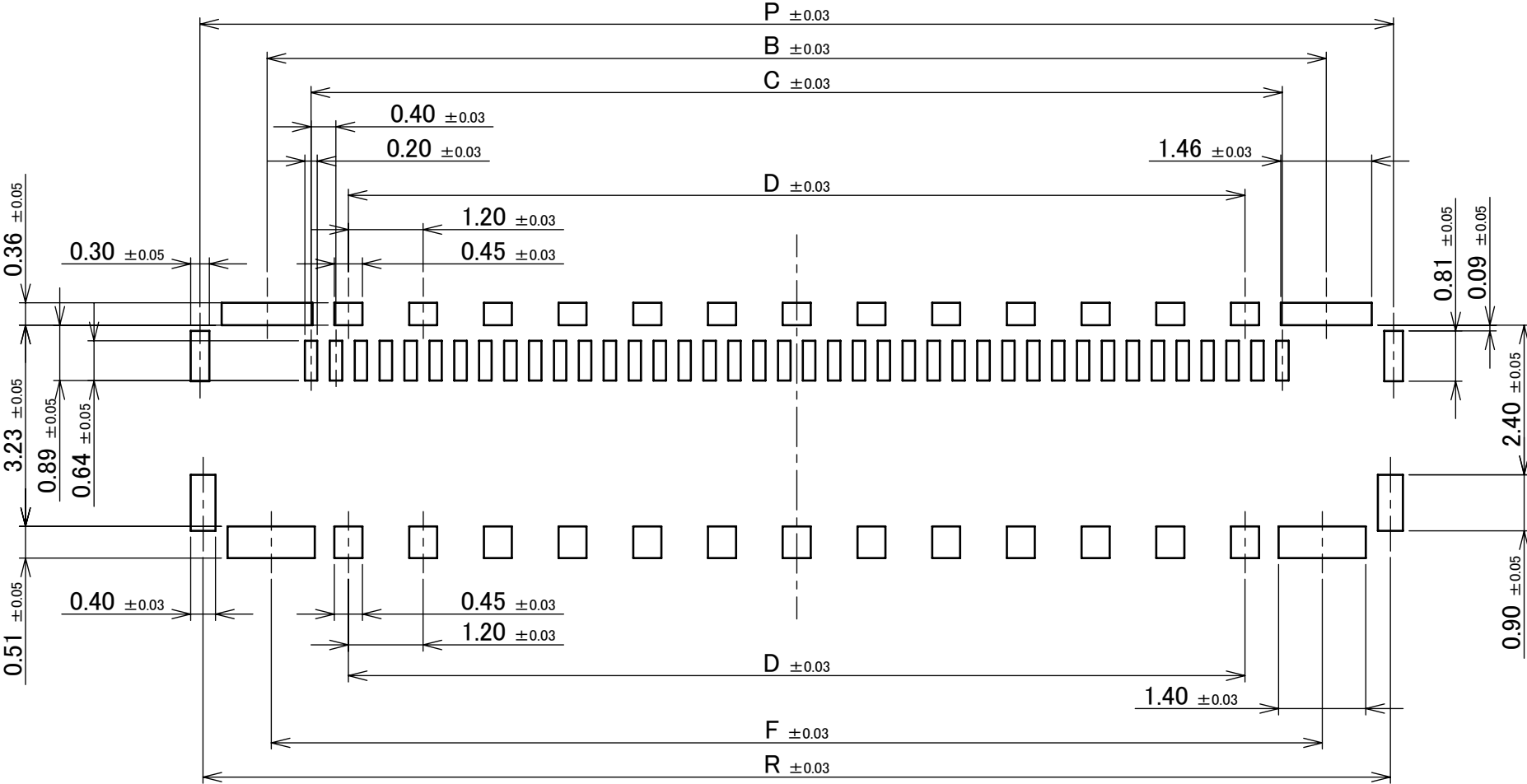
- NOTES.
- 1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
 - 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R5			
GENERAL TOLERANCE.				TITLE		SCALE		
DWG.	DATE			CABLINE® -UM		5:1		
CHK.				RECE. ASS'Y		UNIT		
APP.				DWG. No.		mm		
				20879		SIZE	SHEET	REV.
						A3	8/14	9

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

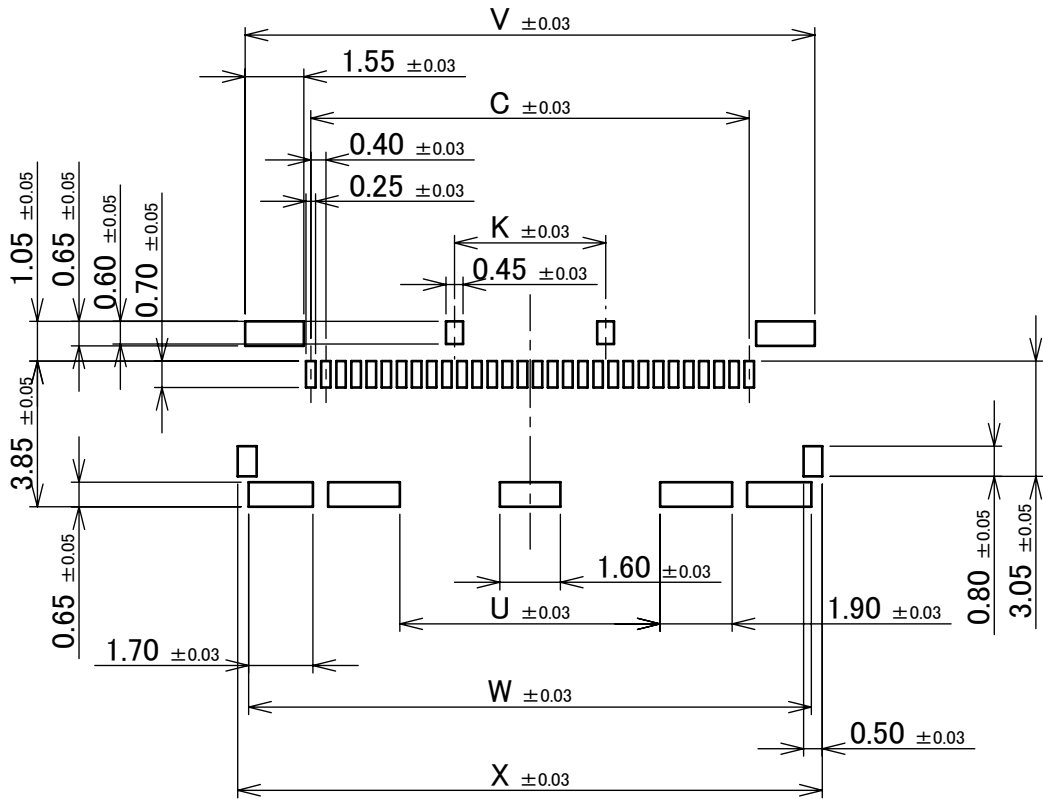
PATENT PENDING

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R5	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					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.		SIZE	SHEET	REV.
				20879		A3	9/14	9

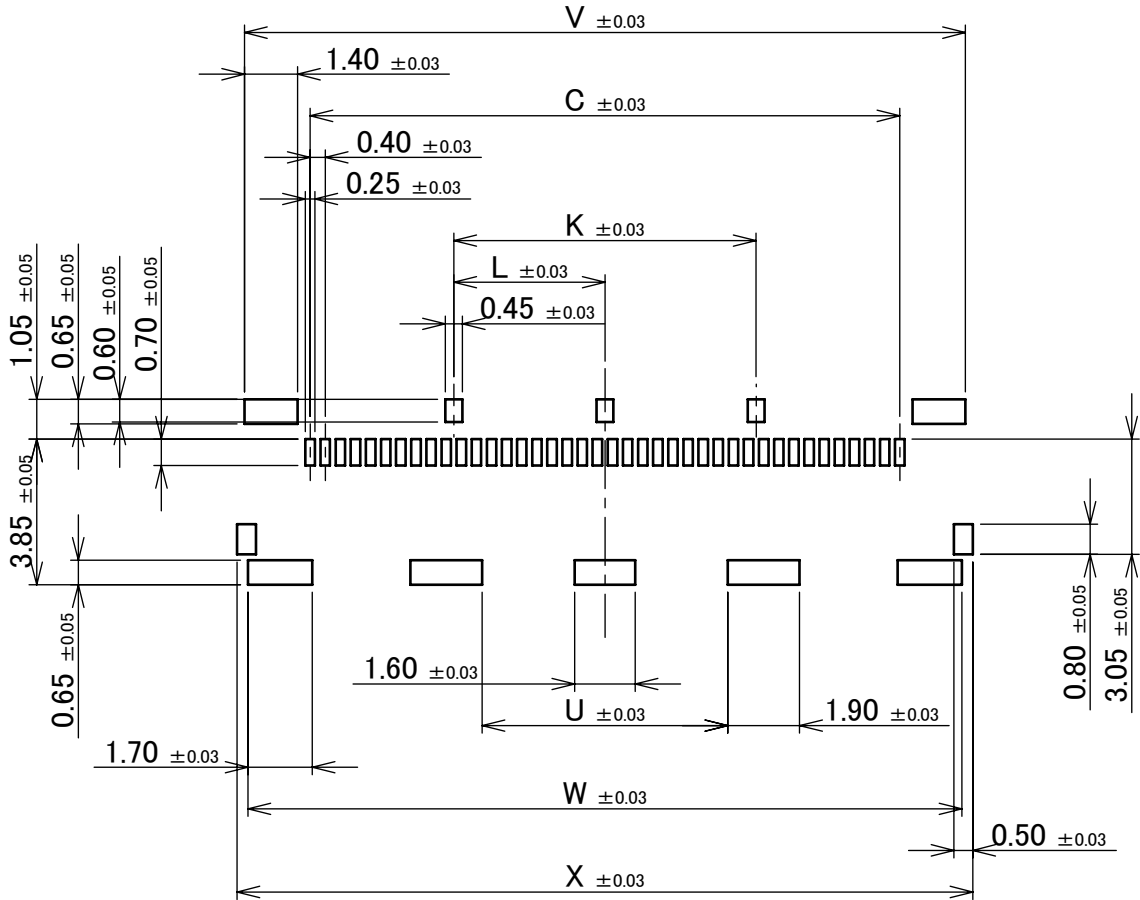
PART No.	Pos.	C	K	L	U	V	W	X
20879-030E-02	30	11.60	4.00	-	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47

PATENT PENDING

02 TYPE



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



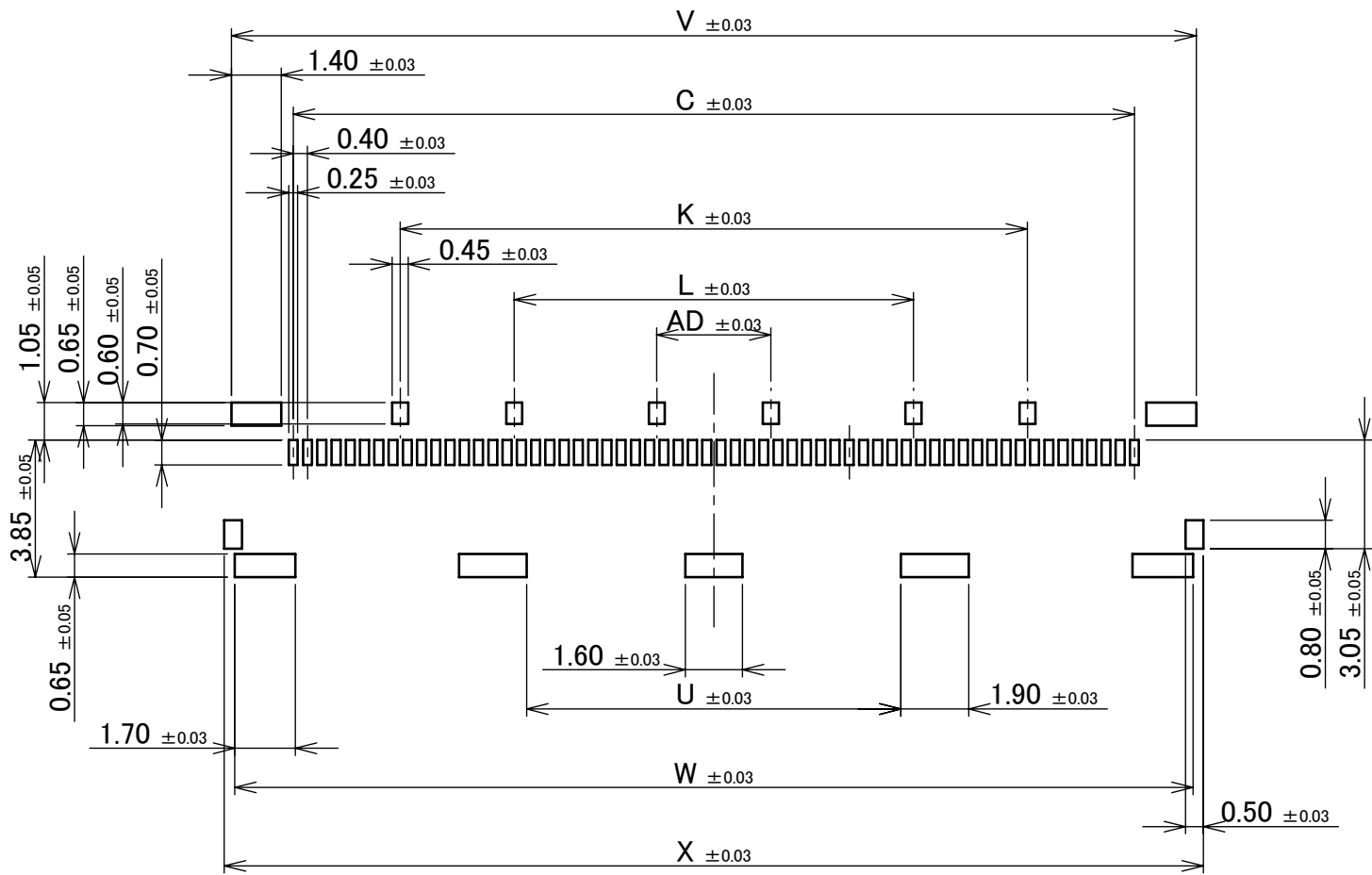
02 TYPE 40P RECOMMENDED METAL MASK LAYOUT (S = 5 : 1)
※ METAL MASK THICKNESS : t = 0.12

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 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	9

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

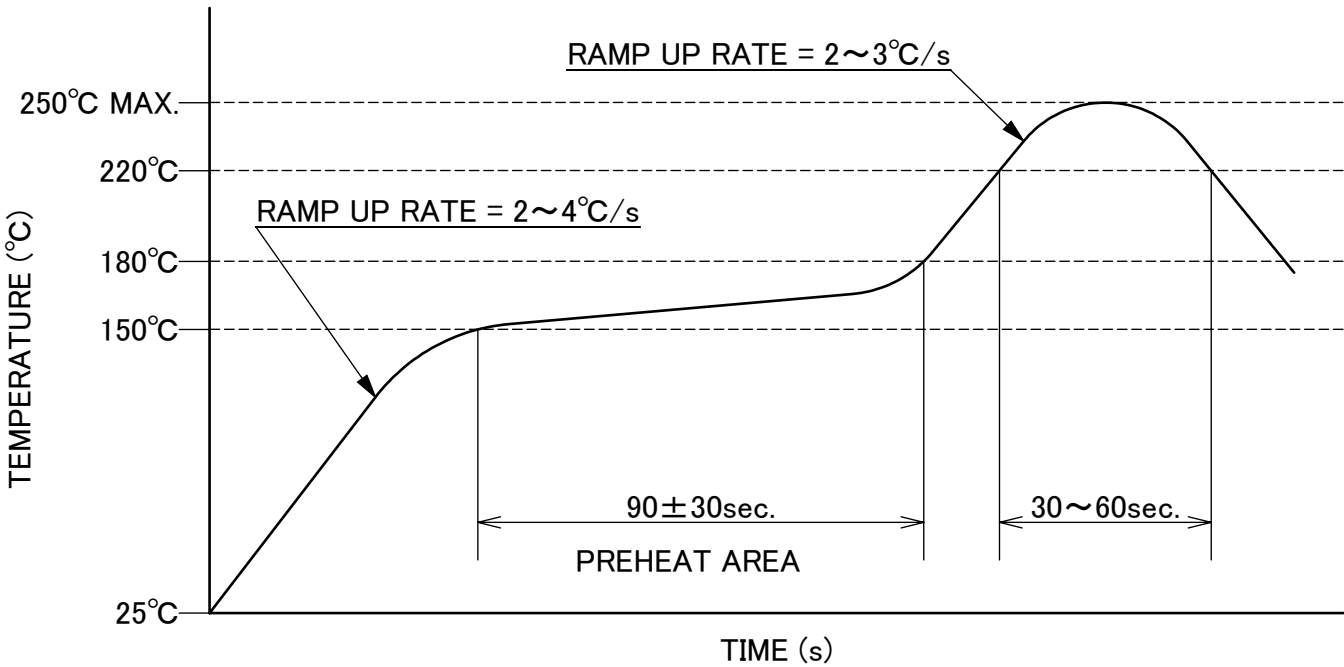
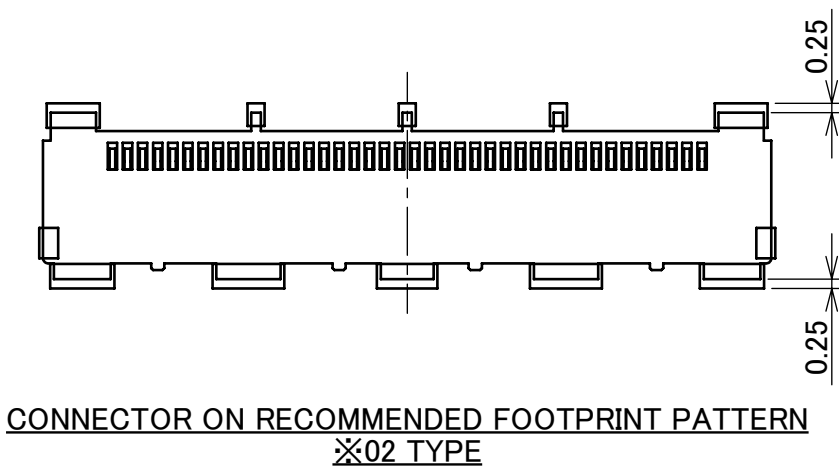
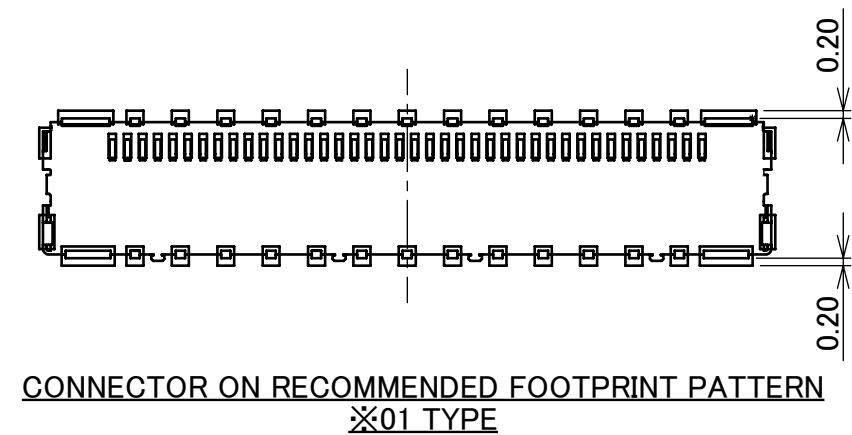
02 TYPE



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 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. 9

PATENT PENDING

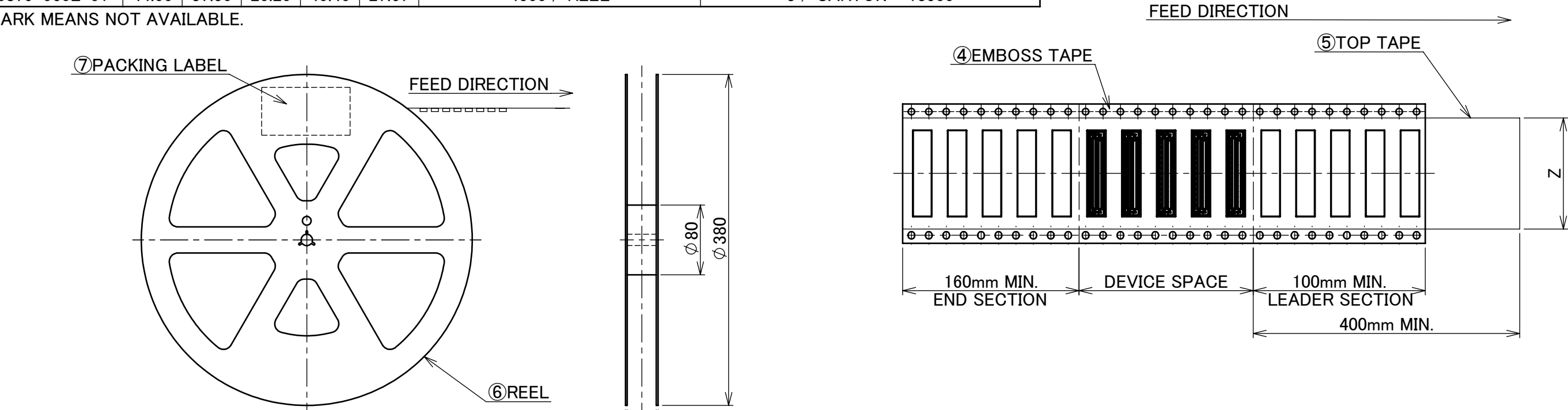


ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R5	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -UM RECE. ASS'Y		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20879		SIZE A3	SHEET 12/14	REV. 9

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

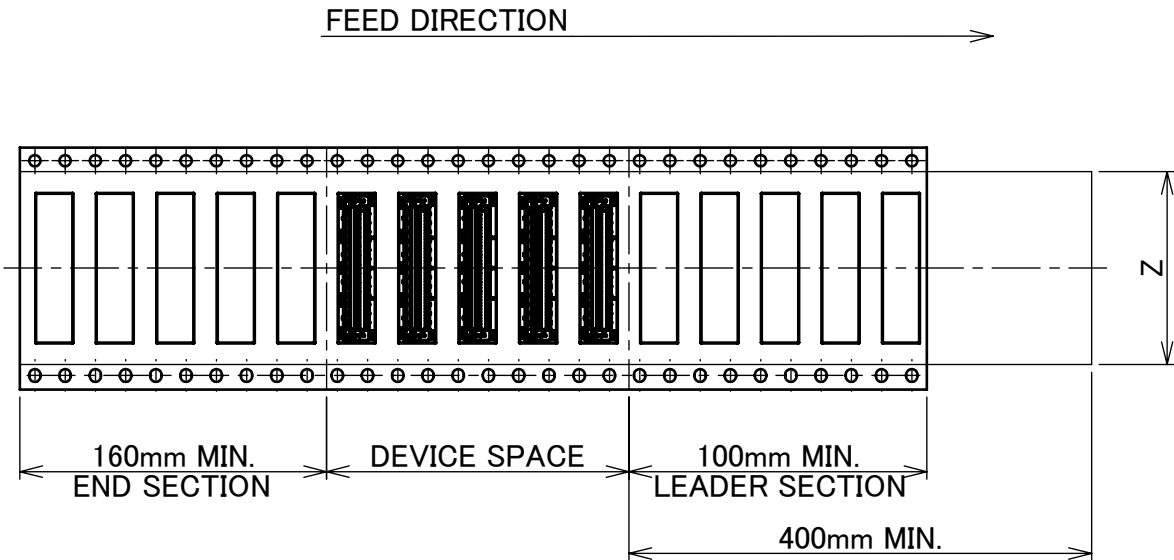
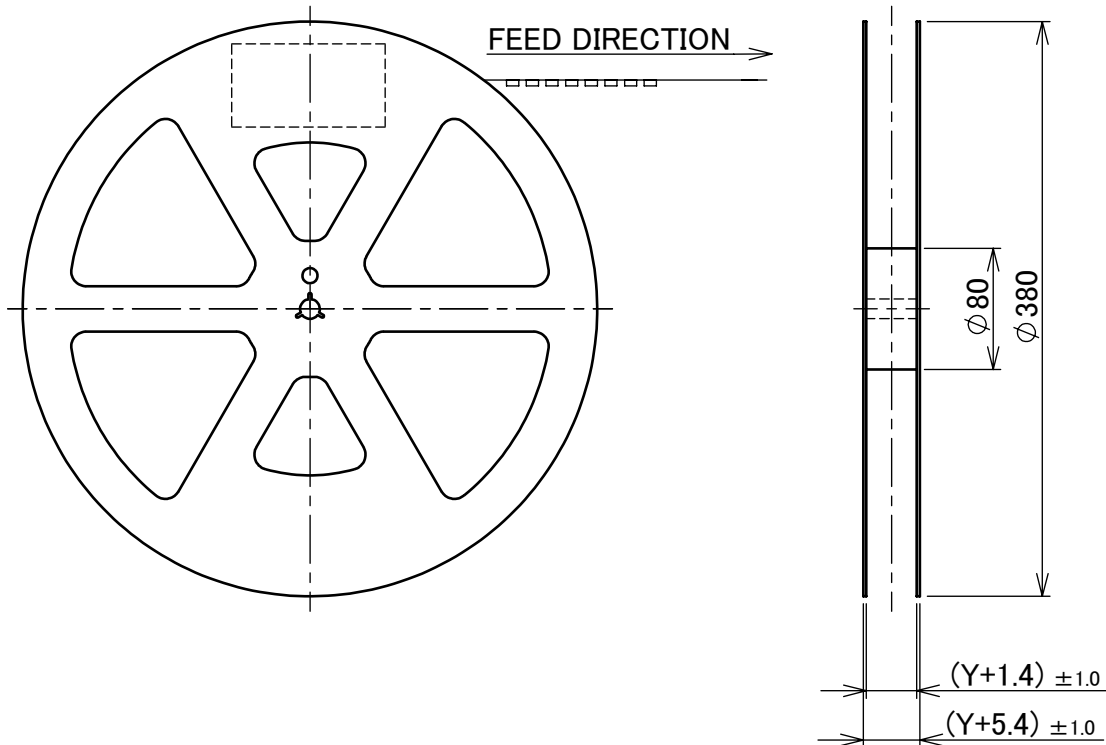
- NOTES.
- 3. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
 - 4. MAKE EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE.
 - 5. TOP TAPE SHALL NOT STICK OUT FROM EMBOSS TAPE.
 - 6. TOP TAPE SHALL NOT COVER FEED HOLE.

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.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R5	SCALE	1:X	
GENERAL TOLERANCE.					TITLE CABLIN® -UM RECE. ASS'Y	UNIT	mm	
DWG. DATE						SIZE A3	SHEET 13/14	REV. 9
CHK.								
APP.					DWG. No.	20879		

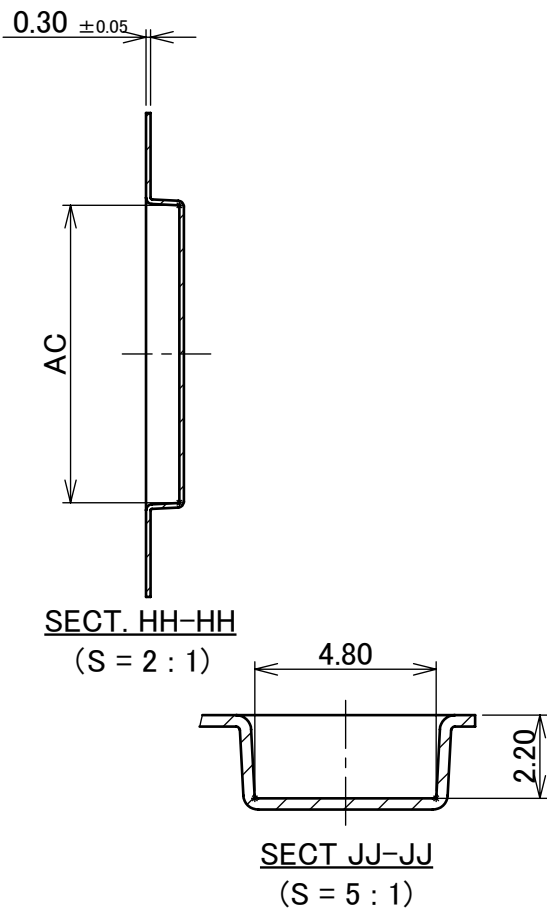
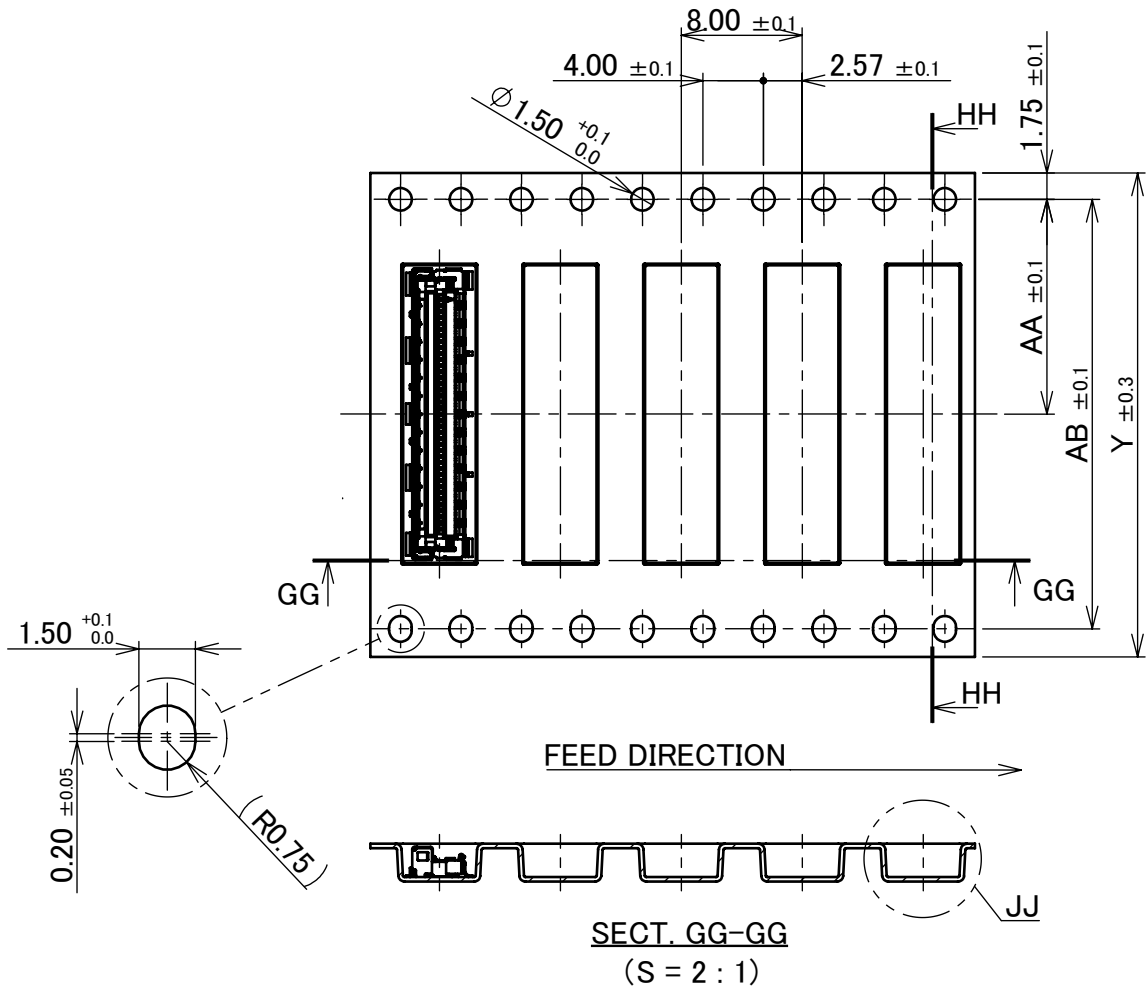
PART NO.	Y	Z	AA	AB	AC	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20879-030E-02	32.00	25.50	14.20	28.40	15.67	4500 / REEL	4 / CARTON = 18000
20879-040E-02	32.00	25.50	14.20	28.40	19.67	4500 / REEL	4 / CARTON = 18000
20.879-060E-02	44.00	37.50	20.20	40.40	27.67	4500 /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

02 TYPE



PATENT PENDING

- NOTES.
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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 CABLINÉ® -UM RECE. ASS'Y		SCALE	I-PEX		
DWG.	DATE					1:X			
CHK.						UNIT			
APP.				DWG. No.	20879	mm	SIZE	SHEET	REV.
						A3	14/14	9	