

Recommended P/N 20849-0\*\*E-01

PART NO.	Pos.	A	B	C	D
20849-020E-0#	20	11.30	9.50	14.33	15.10
20849-030E-0#	30	16.30	14.50	19.33	20.10
20849-040E-0#	40	21.30	19.50	24.33	25.10

P/N : 20849- 0 \*\* E- 0 #  
SEE TABLE 1  
POS.

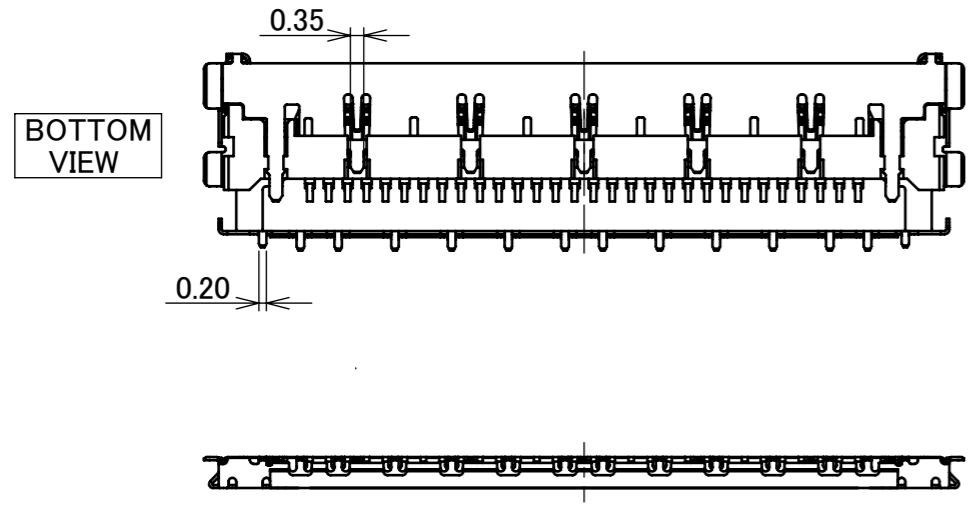
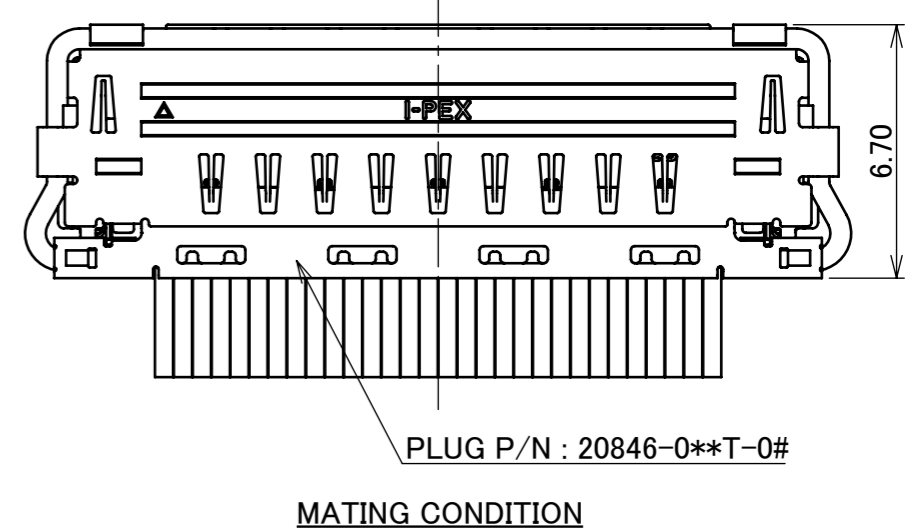
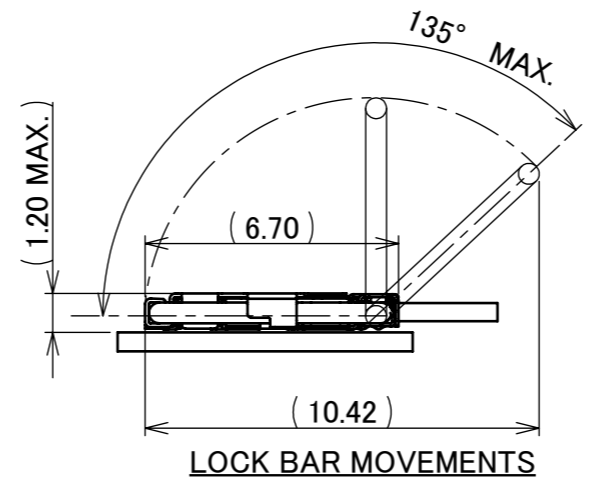
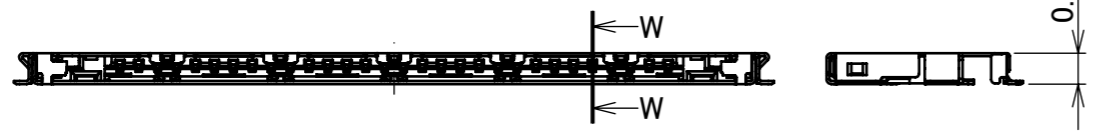
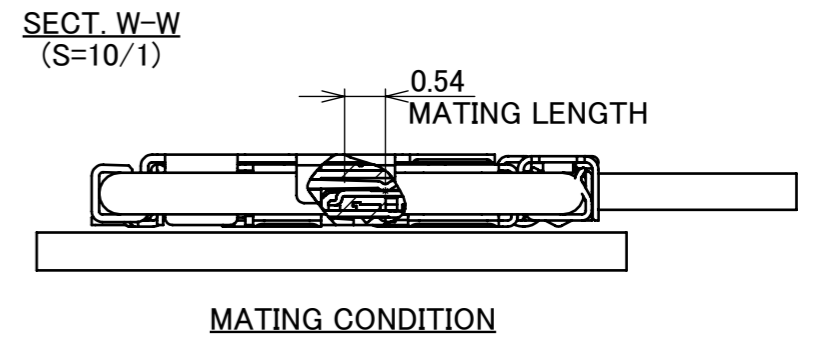
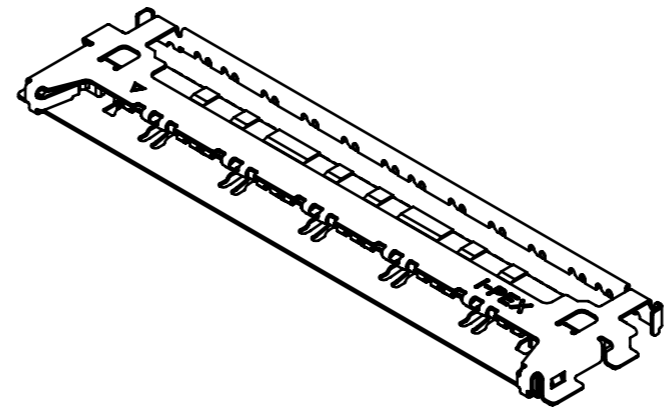
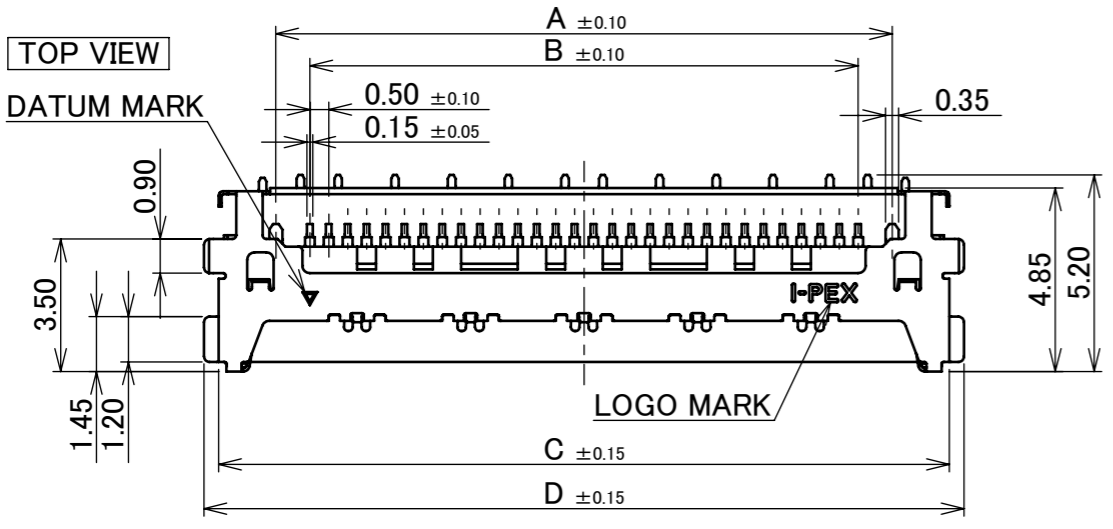
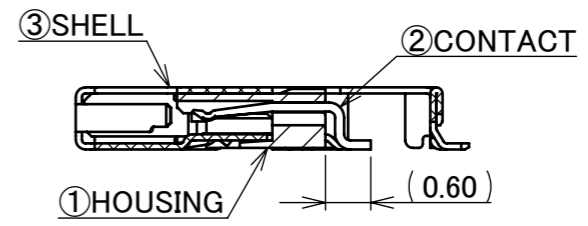


TABLE.1

PART NO.	CONTACT FINISH	SHELL FINISH
20849-0**E-01	CONTACT & 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.
20849-0**E-02	CONTACT AREA : Au 0.38 μm MIN. OVER Ni 1.27 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 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.	DWG. No.	SHEET	REV.
6	Z201143	M.N	Nov./04/'20	H.I	ANGLE ±2°	6 OVER 30 MAX.	±0.3	PROJECTION SERIES No. R2 TITLE CABLINE® -VS II RECE. ASS'Y DWG. No. 20849 SCALE 5:1 UNIT mm SIZE A3 SHEET 1/8 REV. 6
5	Z200862	M.N	Aug./21/'20	H.I	6 MAX. ±0.2	30 OVER 120 MAX.	±0.5	
4	Z191437	R.M	Nov./04/'19	H.I	GENERAL TOLERANCE.			
3	Z180939	K.B	July/19/'18	Y.S	DWG. K.Baba	DATE 2017/07/25		
2	Z171344	K.B	Nov/17/'17	Y.S	CHK. T.Kurachi			
1	Z171217	K.B	Oct./23/'17	Y.S	APP. Y.Shimada			

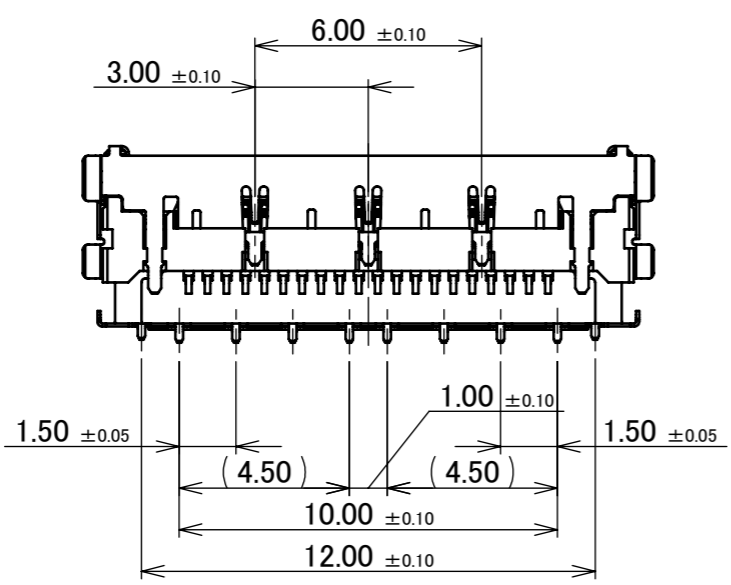
**PATENT REGISTERED**

PART NO.	Pos.
20849-020E-0#	20
20849-030E-0#	30
20849-040E-0#	40

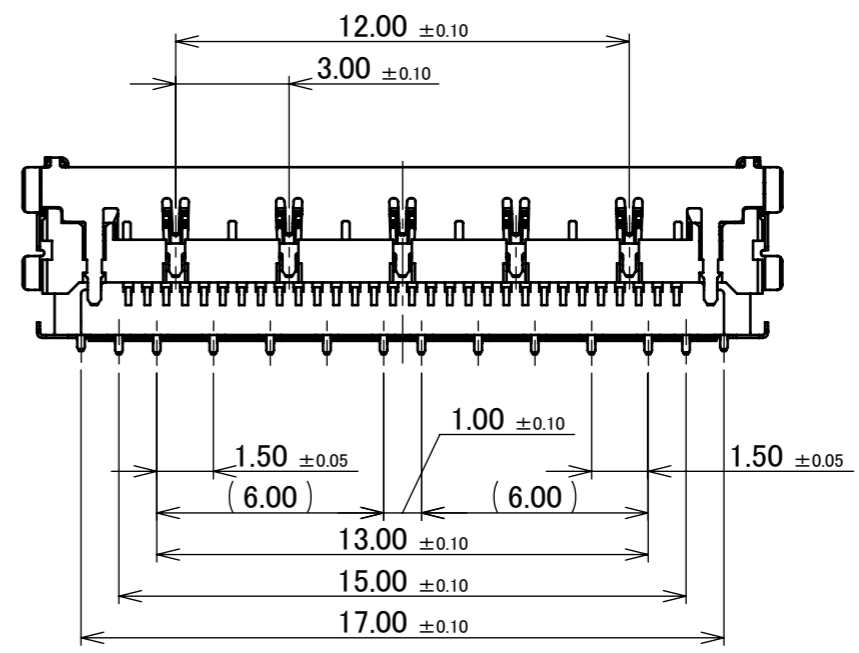
**BOTTOM VIEW**

**PATENT REGISTERED**

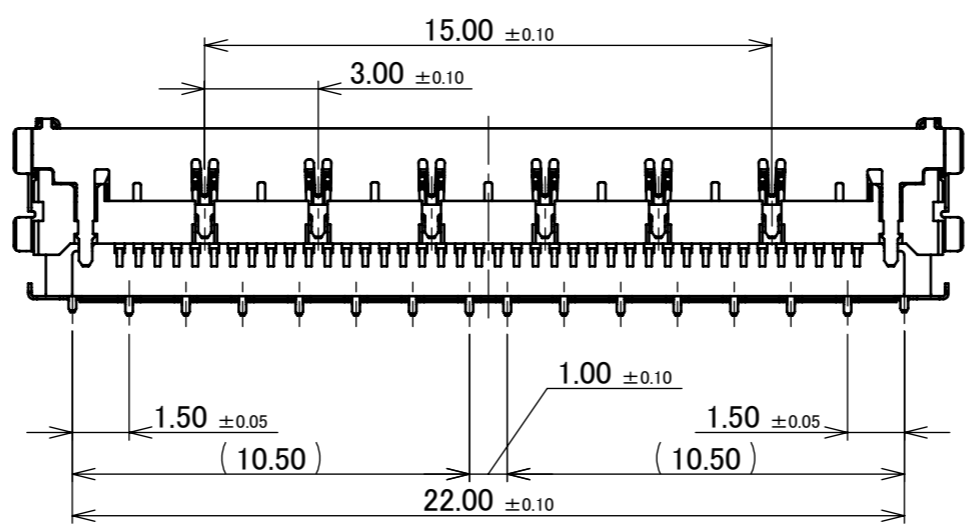
**20P**



**30P**



**40P**

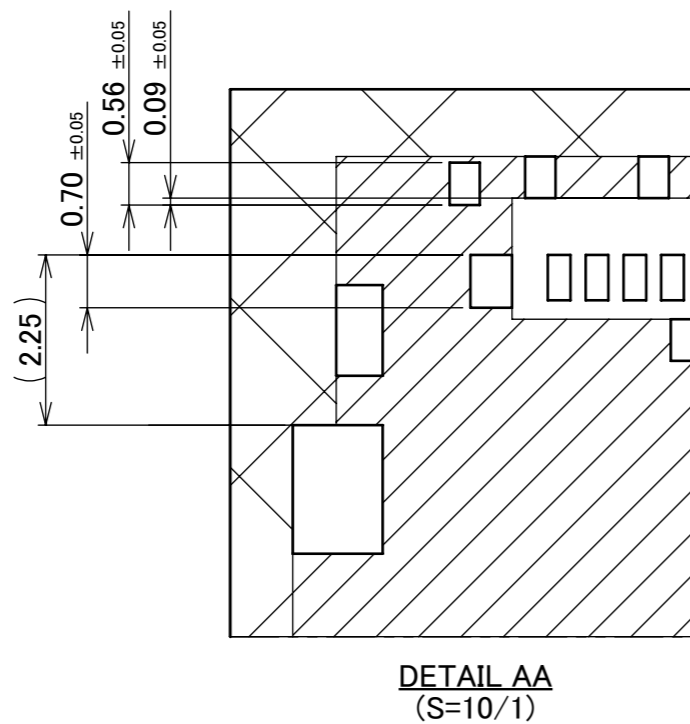
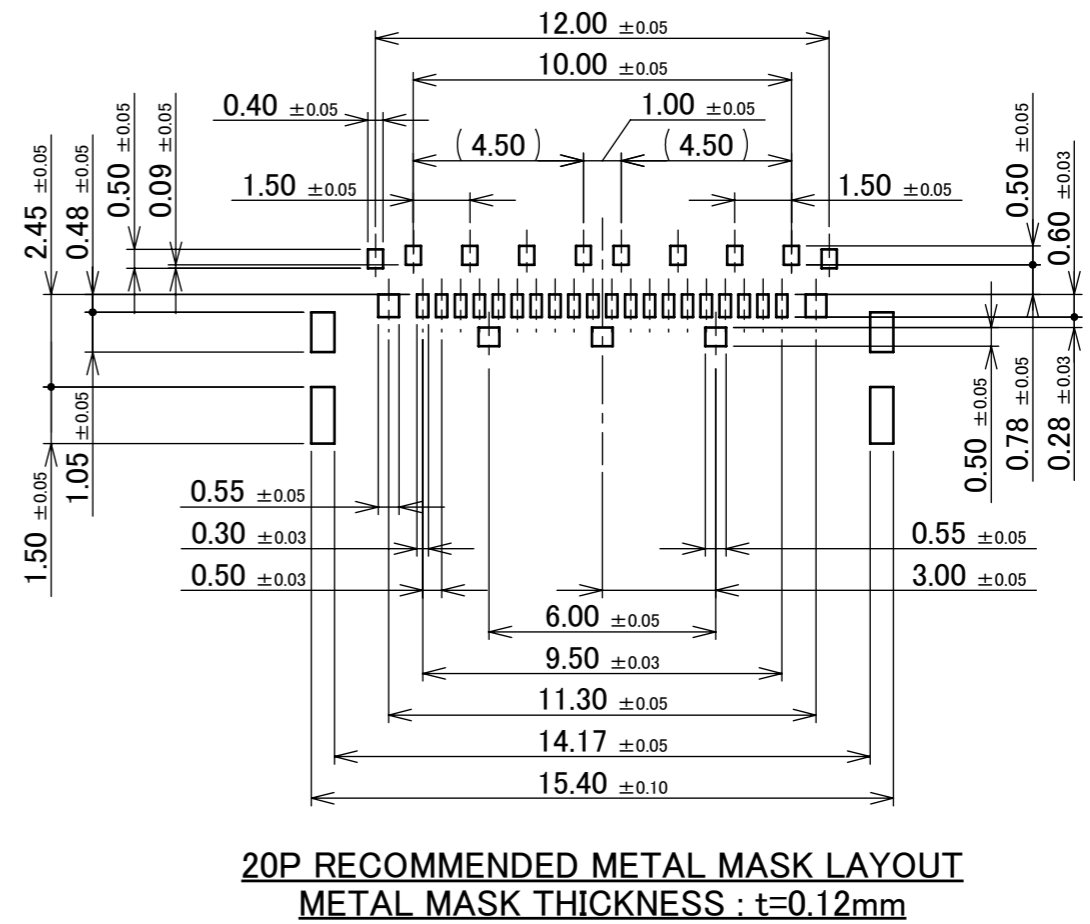
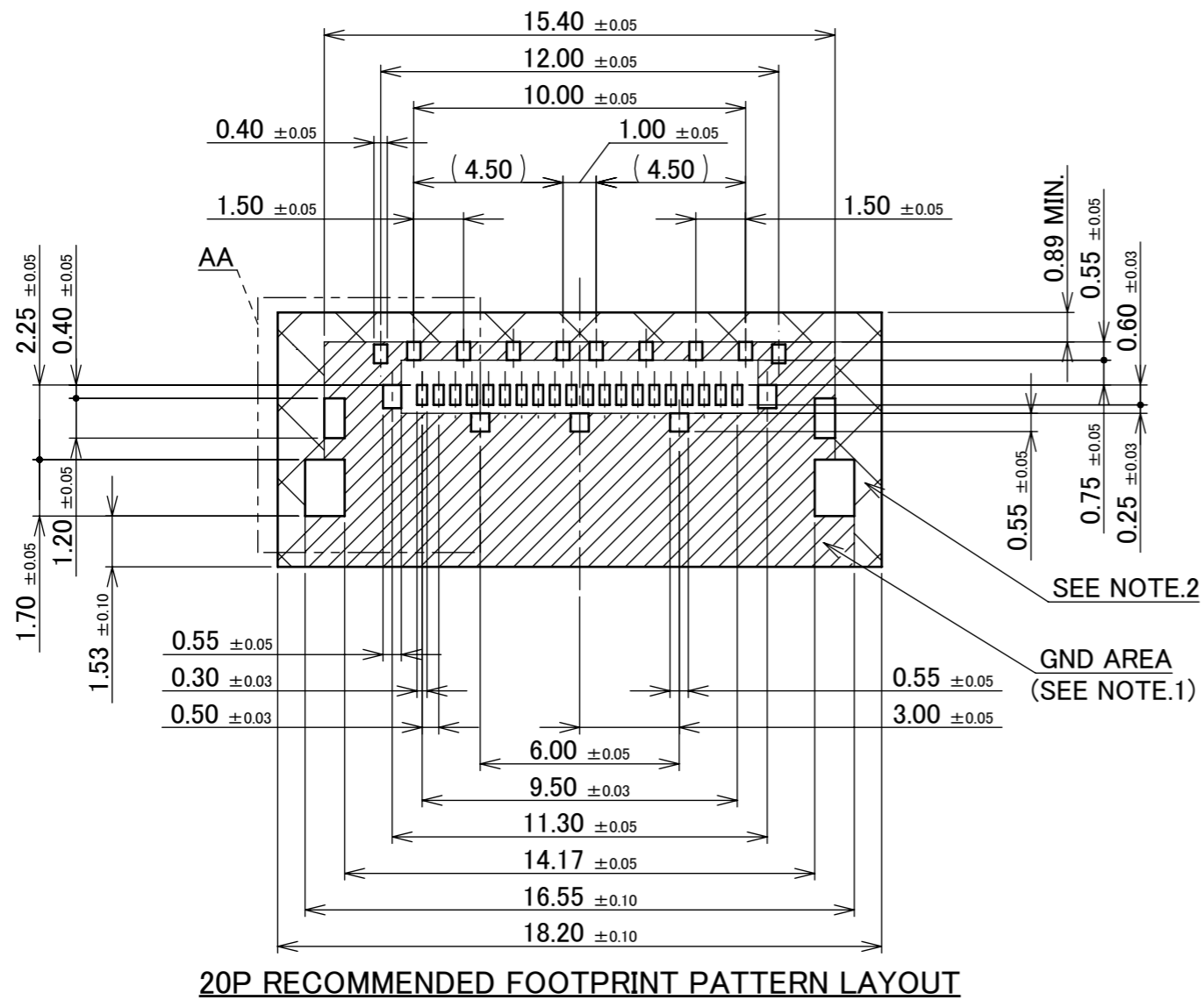


ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE		SCALE	<b>I-PEX</b>	
DWG.	DATE			CABLIN <sup>®</sup> -VS II RECE. ASS'Y		5:1		
CHK.						UNIT mm		
APP.				DWG. No.	20849	SIZE A3	SHEET 2/8	REV. 6

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE : AWG# 36 , 34 , 32 TWIN COAX : AWG# 40
RATING VOLTAGE	100V AC (PER A CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT/UP TO 40 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT/UP TO 40 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT/UP TO 40 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT/UP TO 23 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT/UP TO 10 CONTACTS 1.0A AC/DC [AWG#34] FOR POWER PER CONTACT/UP TO 9 CONTACTS 1.0A AC/DC [AWG#32] FOR POWER PER CONTACT/UP TO 9 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-CONDENSING)
CONTACT RESISTANCE	INITIAL : 140mohm MAX.(AWG#32) / AFTER TEST : $\triangle$ 40mohm MAX. 180mohm MAX.(AWG#34) 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)	20P : 9.70N MAX. 30P : 14.55N MAX. 40P : 19.40N MAX.
UNMATING FORCE (INITIAL / AFTER 30 CYCLES)	20P : 2.00N MIN. 30P : 3.00N MIN. 40P : 4.00N MIN.
CABLE RETENTION FORCE	20P : 9.80N MIN. 30P : 14.70N MIN. 40P : 19.60N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2398
TEST REPORT	TR-17060 (20849-0**E-01) / TR-18048 (20849-0**E-02)
PACKING STANDARD	PST-17079
INSTRUCTION MANUAL	HIM-17015
ASSEMBLY MANUAL	ASM-17005
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	$\pm 0.3$	PROJECTION 	SERIES No. R2	CUSTOMER COPY				
6 MAX.	$\pm 0.2$	30 OVER 120 MAX.	$\pm 0.5$							
GENERAL TOLERANCE.				TITLE CABLINER <sup>®</sup> -VS II RECE. ASS'Y	SCALE 5:1	<b>I-PEX</b>				
DWG.	DATE							UNIT mm		
CHK.								SIZE A3	SHEET 3/8	REV. 6
APP.								DWG. No. 20849		

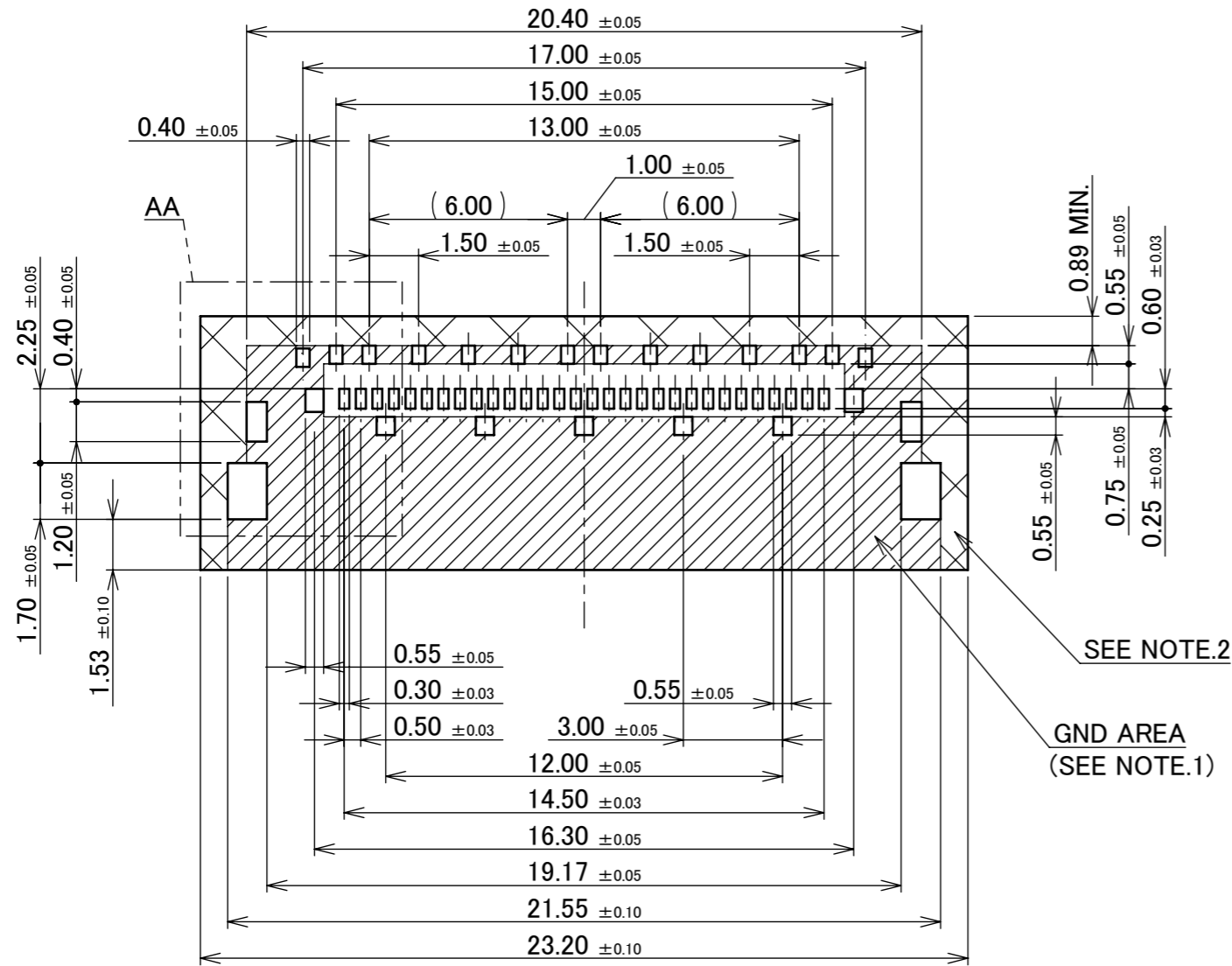
# PATENT REGISTERED



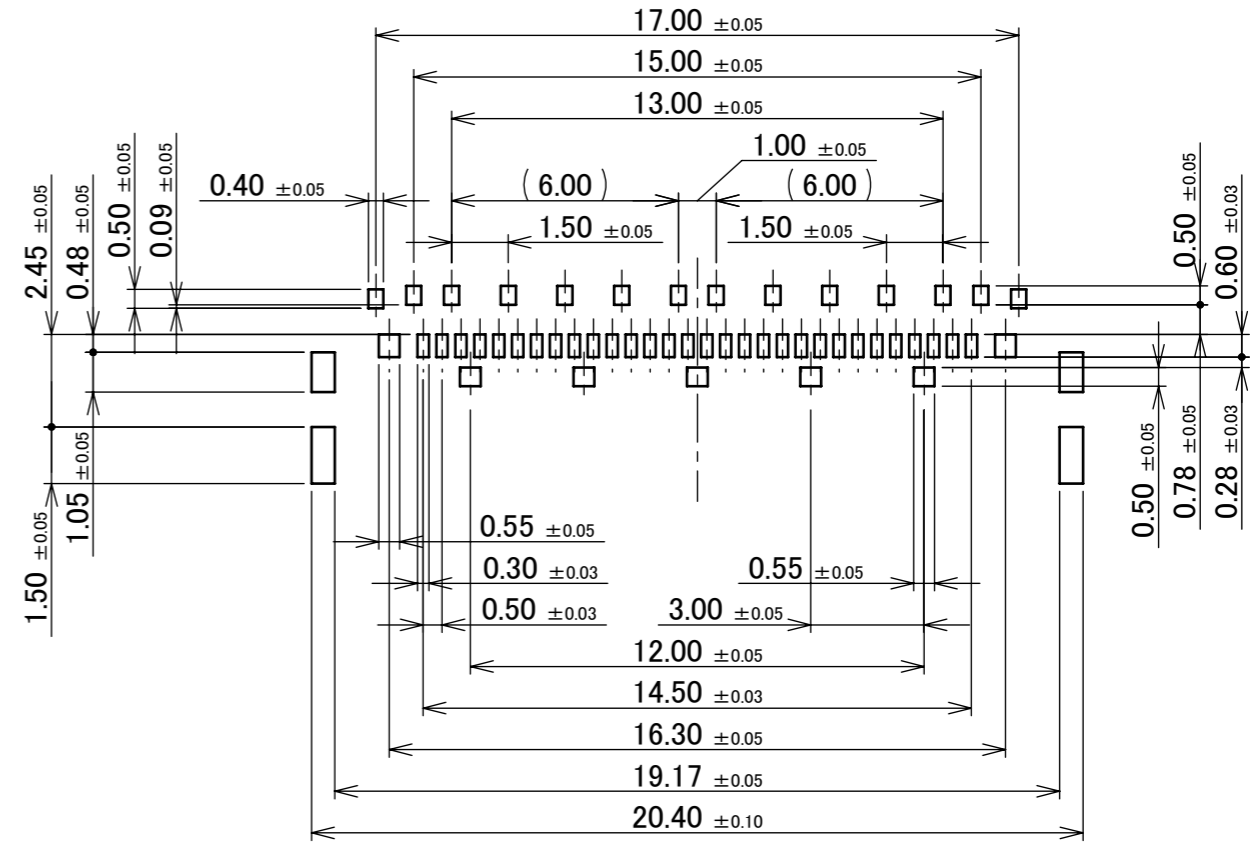
- NOTES.
- SOLDER RESIST SHALL BE COATED IN CASE OF RUNNING TRACES ON THIS FOOT PRINT PATTERN PROHIBITION AREA.
  - THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R2	CUSTOMER COPY		
	6 MAX.	±0.2	30 OVER 120 MAX.					±0.5
GENERAL TOLERANCE.				TITLE		SCALE	<b>I-PEX</b>	
DWG.	DATE			CABLIN <sup>®</sup> -VS II		5:1		
CHK.				RECE. ASS'Y		mm		
APP.				DWG. No.	20849	SIZE	SHEET	REV.
						A3	4/8	6

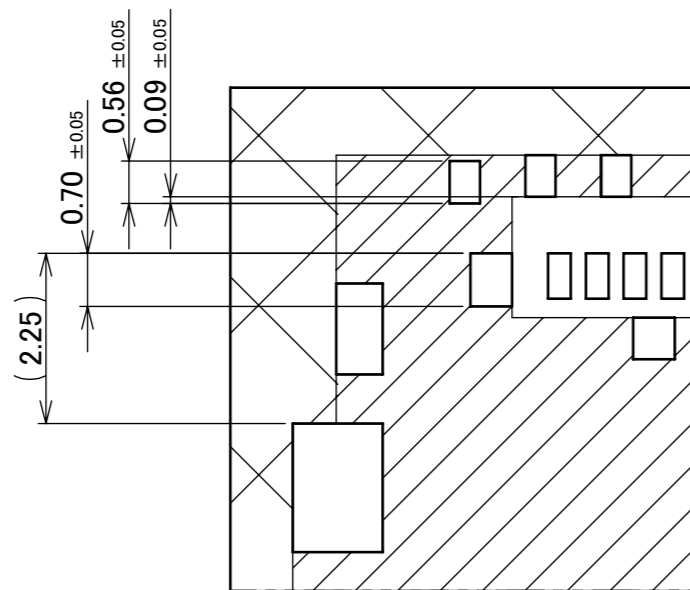
# PATENT REGISTERED



30P RECOMMENDED FOOTPRINT PATTERN LAYOUT



30P RECOMMENDED METAL MASK LAYOUT  
METAL MASK THICKNESS : t=0.12mm



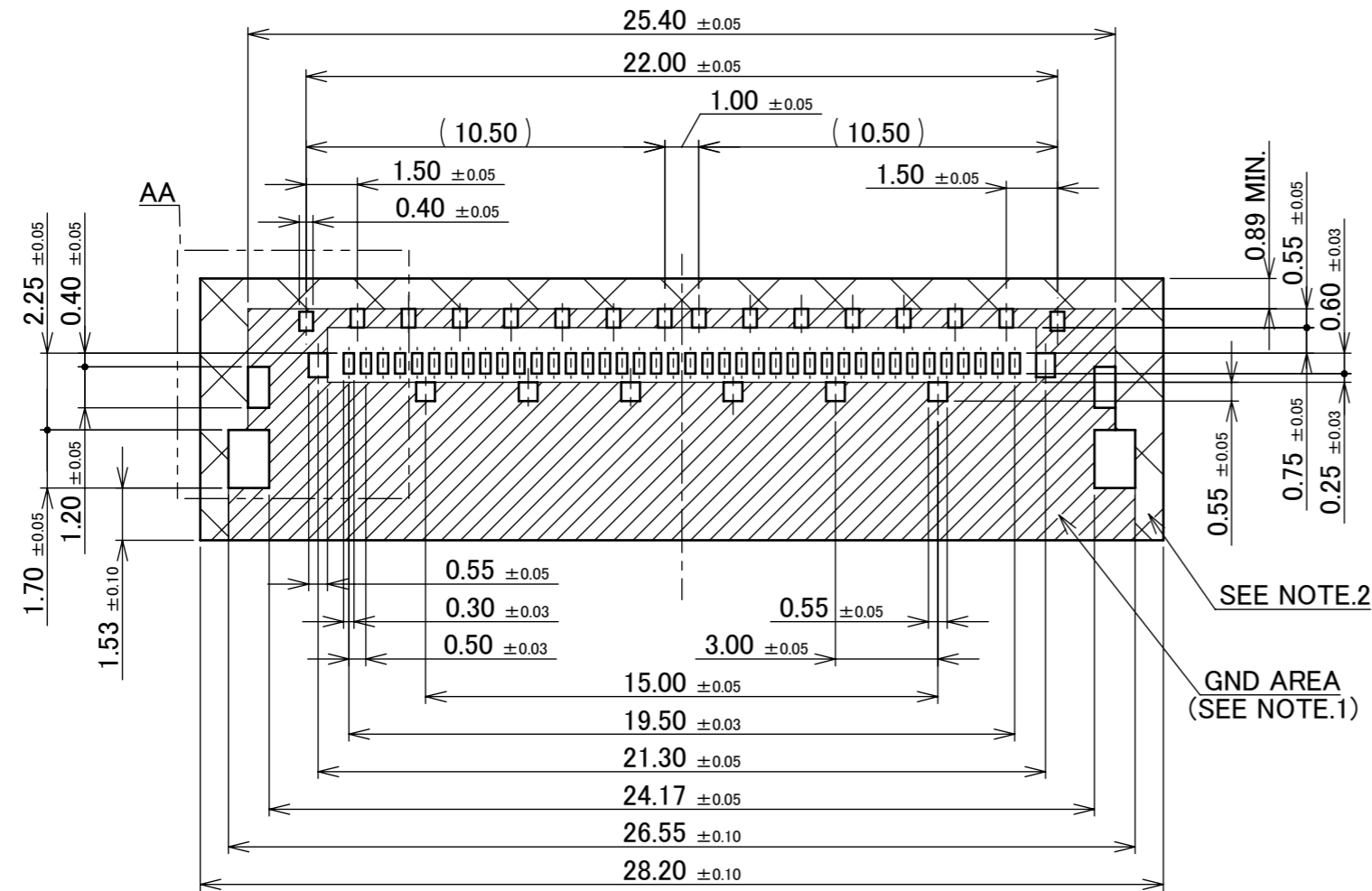
DETAIL AA  
(S=10/1)

NOTES.

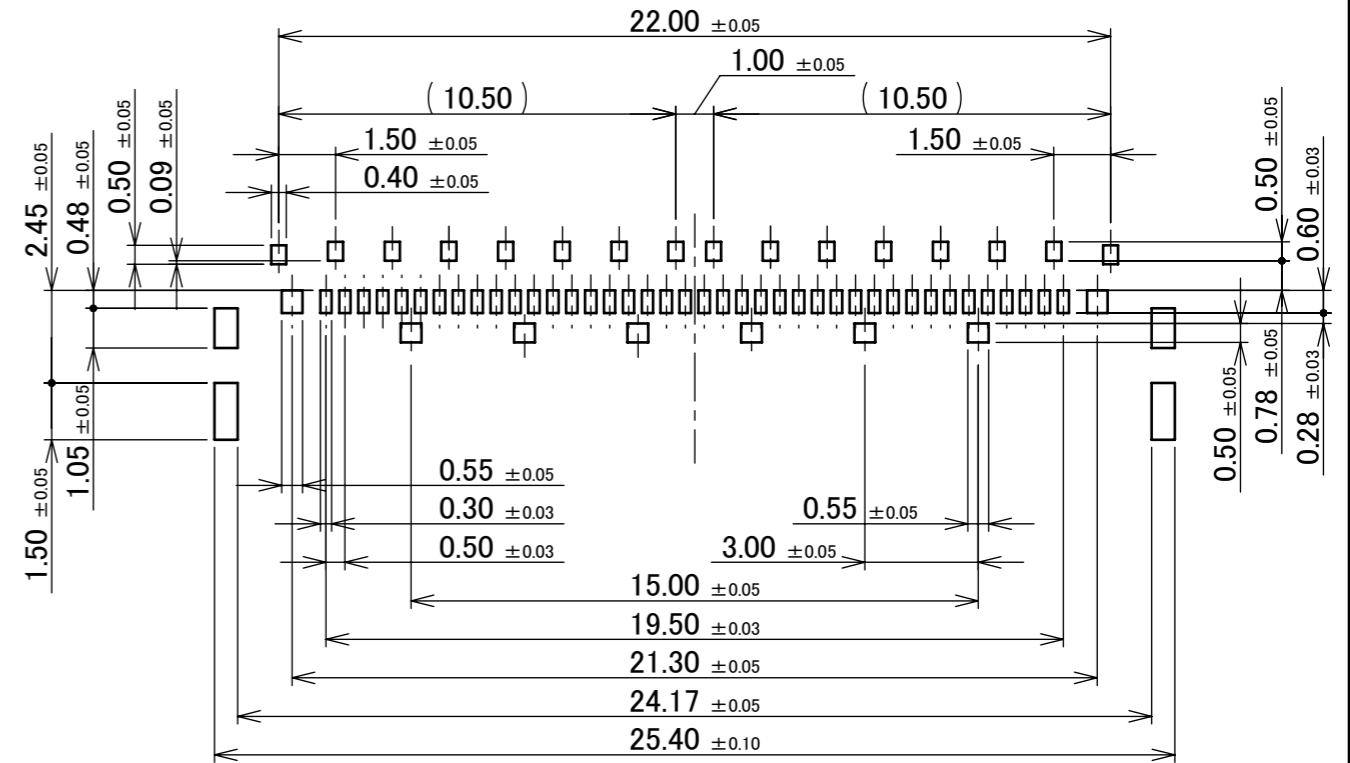
1. SOLDER RESIST SHALL BE COATED IN CASE OF RUNNING TRACES ON THIS FOOT PRINT PATTERN PROHIBITION AREA.
2. THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	R2		
GENERAL TOLERANCE.				TITLE	SCALE	I-PEX	
DWG.	DATE			CABLIN <sup>®</sup> -VS II RECE. ASS'Y	5:1		
CHK.				DWG. No.	UNIT		
APP.				20849	mm	SIZE	SHEET
					A3	5/8	REV.
							6

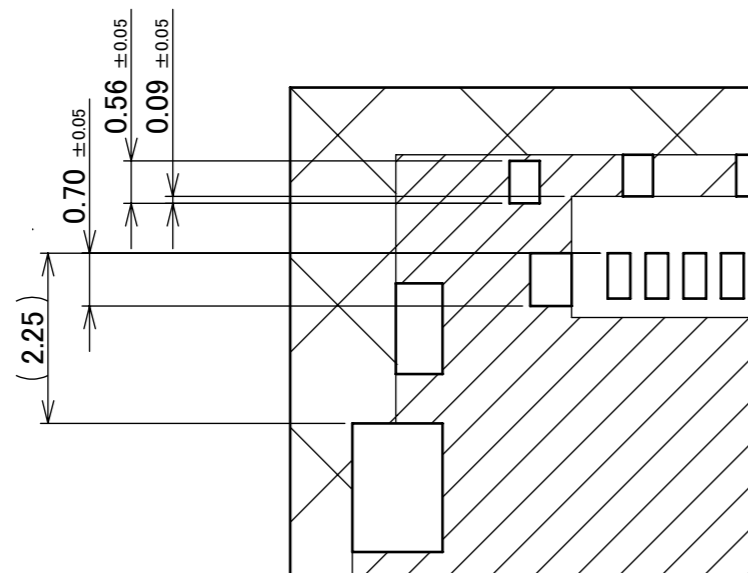
# PATENT REGISTERED



**40P RECOMMENDED FOOTPRINT PATTERN LAYOUT**



**40P RECOMMENDED METAL MASK LAYOUT  
METAL MASK THICKNESS : t=0.12mm**

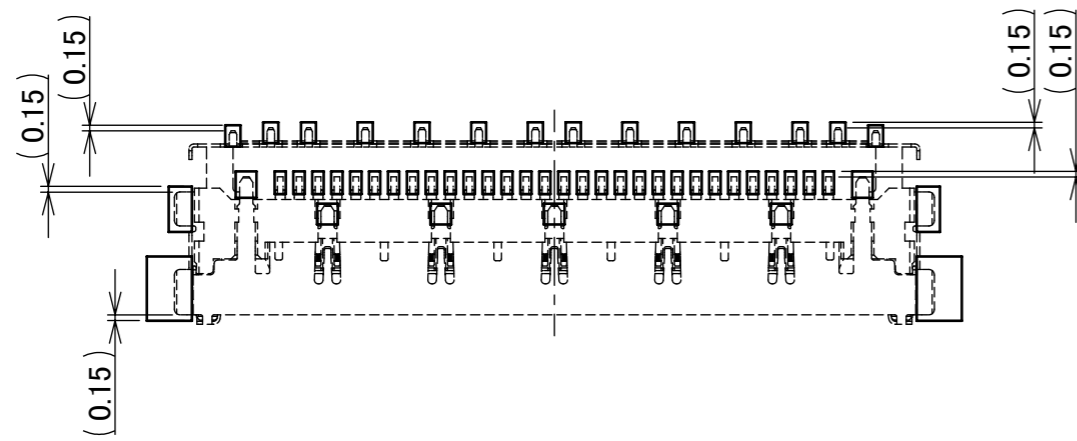


**DETAIL AA  
(S=10/1)**

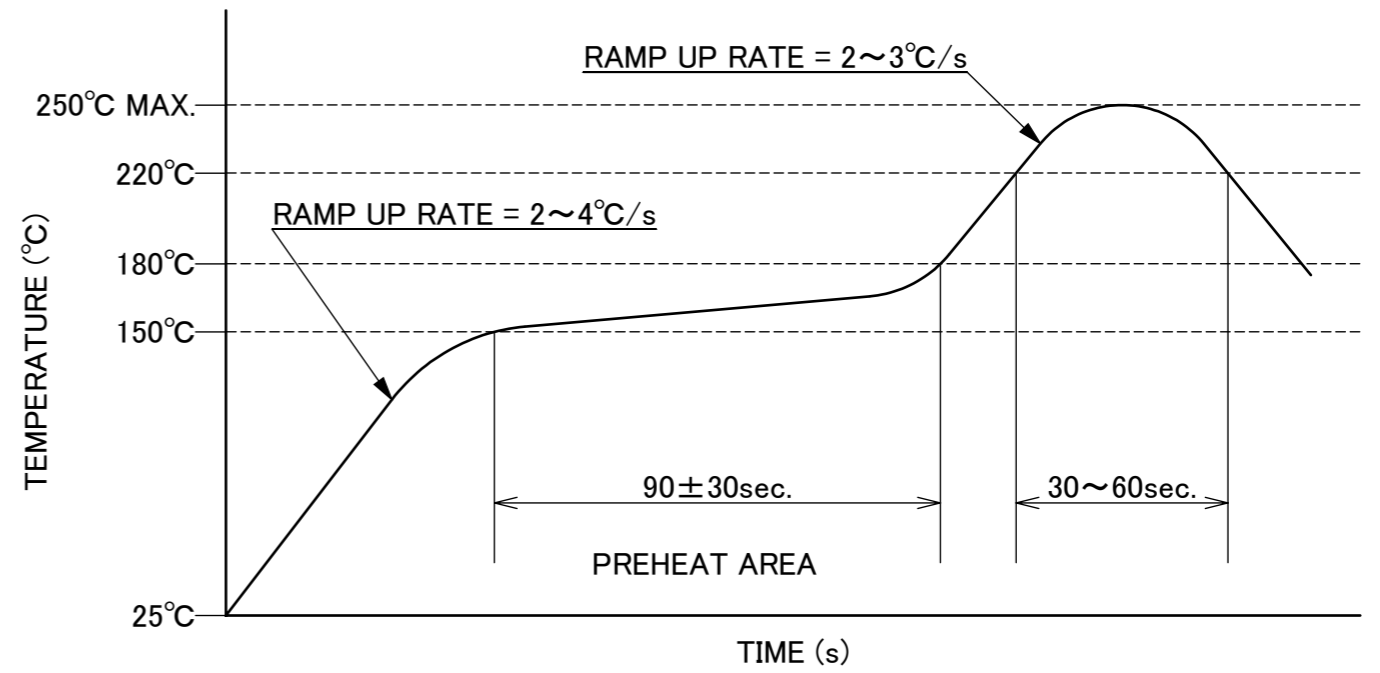
**NOTES.**

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	R2		
GENERAL TOLERANCE.				TITLE	SCALE	<b>I-PEX</b>	
DWG.	DATE			CABLIN <sup>®</sup> -VS II RECE. ASS'Y	5:1		
CHK.					UNIT		
APP.				DWG. No.	mm	SIZE	SHEET
				20849	A3	6/8	REV.
							6



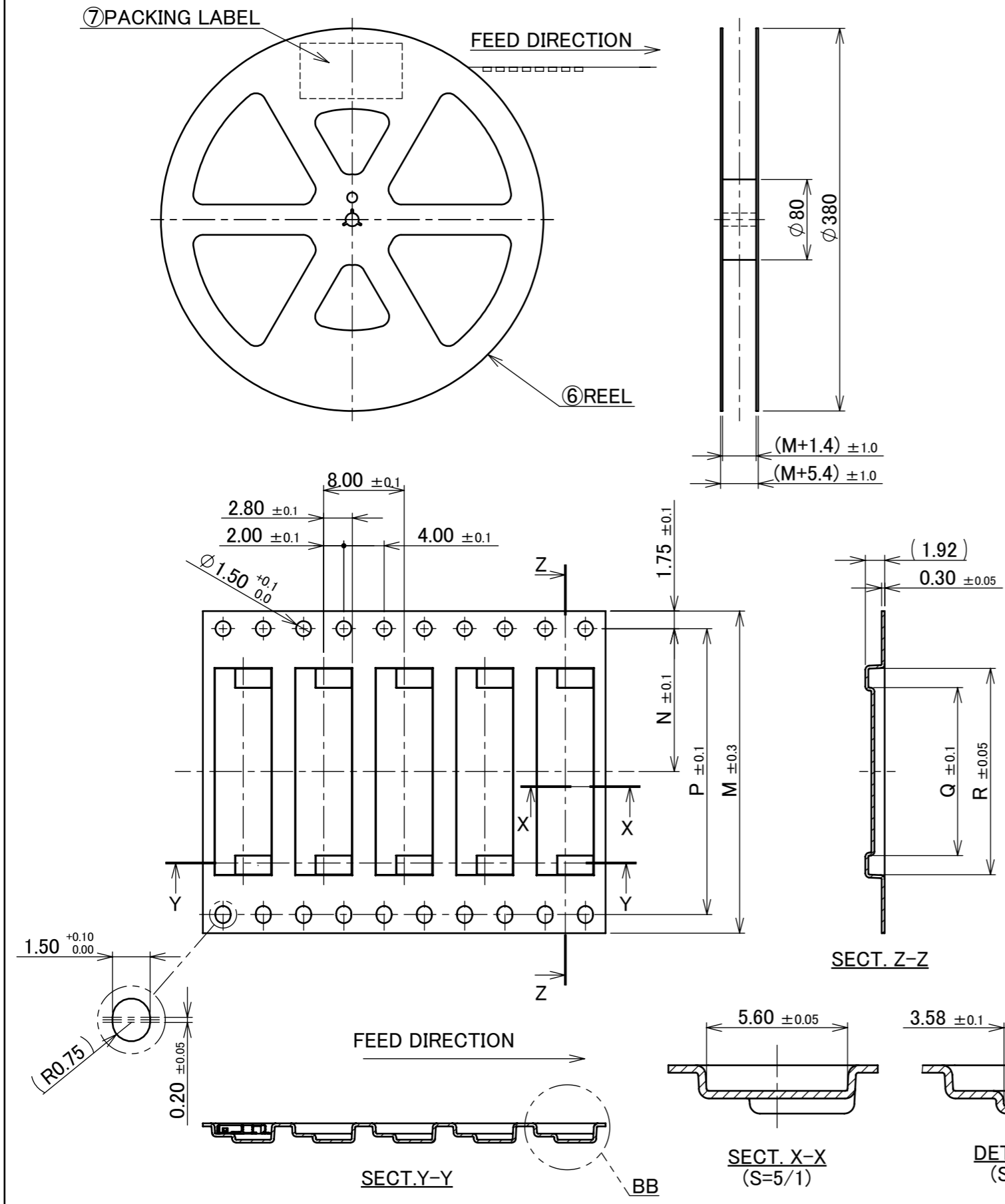
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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. R2	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE			
DWG.	DATE			CABLIN <sup>®</sup> -VS II		5:1			
CHK.				RECE. ASS'Y		UNIT			
APP.				DWG. No. 20849		mm			
						SIZE	SHEET	REV.	
						A3	7/8	6	

PART NO.	M	N	P	Q	R	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20849-020E-0#	24.00	11.50	-	11.70	15.50	5500 / REEL	5 / CARTON = 27500
20849-030E-0#	32.00	14.20	28.40	16.70	20.50		4 / CARTON = 22000
20849-040E-0#	44.00	20.20	40.40	21.70	25.50		3 / CARTON = 16500



- 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	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2	SCALE	<b>I-PEX</b>
GENERAL TOLERANCE.						TITLE	
DWG.	DATE			CABLIN <sup>®</sup> -VS II RECE. ASS'Y		mm	SHEET 8/8
CHK.				DWG. No. 20849		REV.	
APP.						6	