

Recommended P/N 20697-0**E-01#

PART No.	SIGNAL POS.	POWER POS.	A	B	C	D	E
20697-028E-01	28P	4P	9.79	7.99	5.60	4.55	9.19
20697-034E-01	34P	4P	10.84	9.04	6.65	5.60	10.24
20697-042E-01#	42P	4P	12.24	10.44	8.05	7.00	11.64
20697-056E-01#	56P	4P	14.69	12.89	10.50	9.45	14.09
20697-062E-01#	62P	4P	15.74	13.94	11.55	10.50	15.14

20697-0**E-01M

WITHOUT : 10,000 pcs/REEL
WITH : 5,000 pcs/REEL

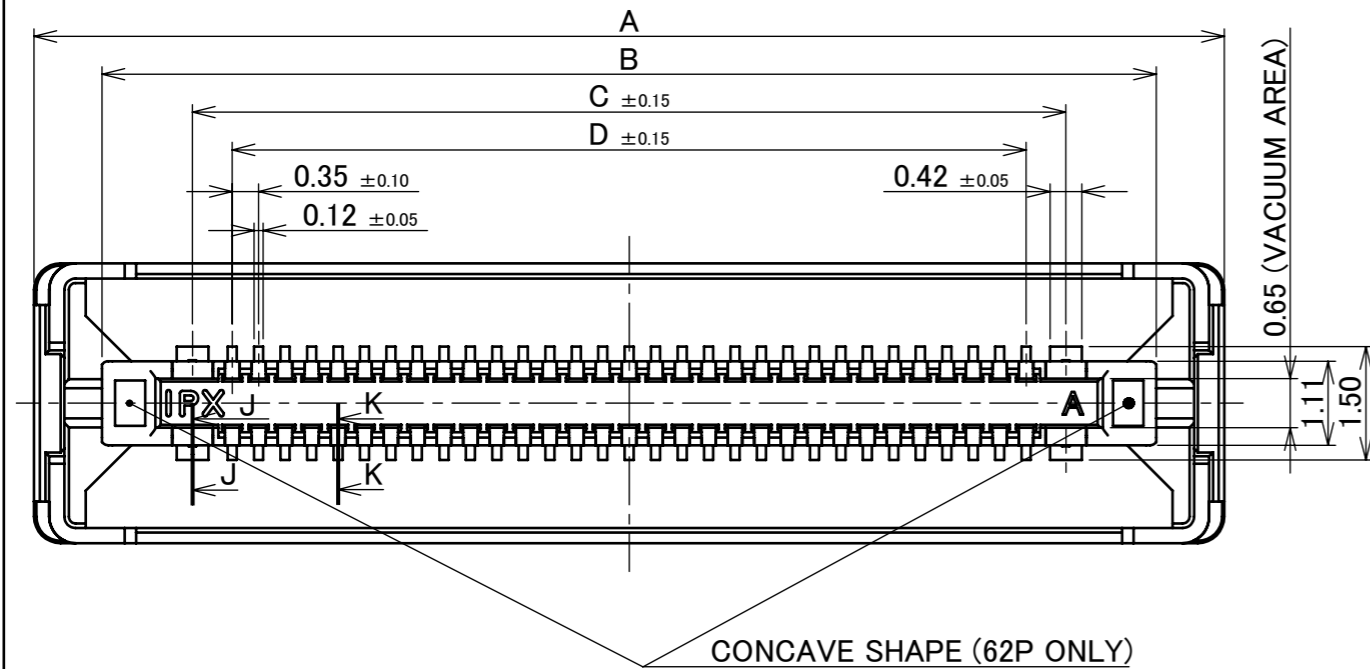
Pos.



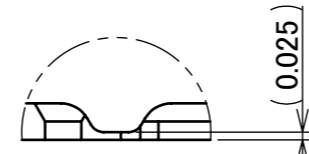
Halogen Free



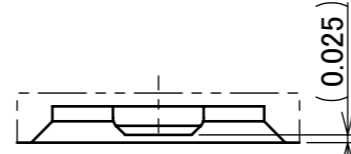
RoHS Compliant



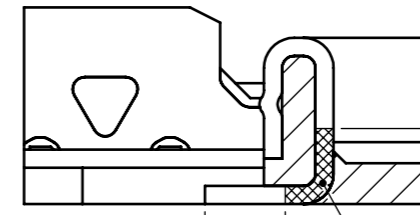
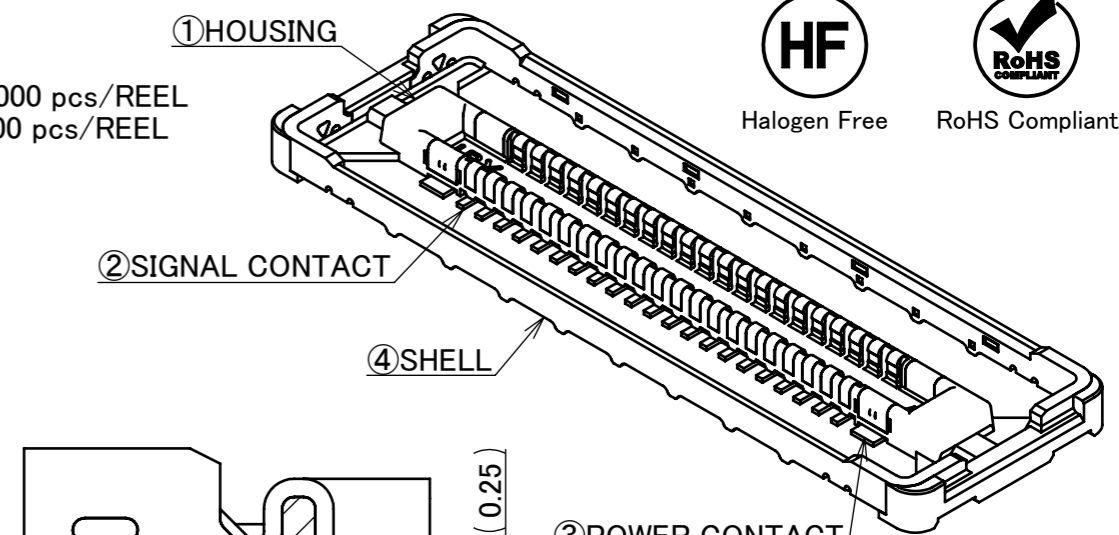
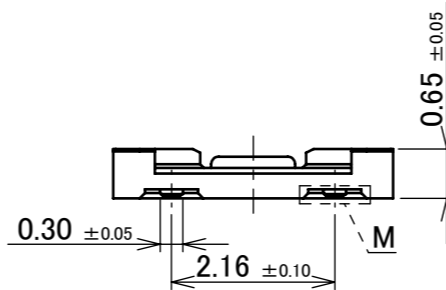
0.65 (VACUUM AREA)



DETAIL L (S=40:1)

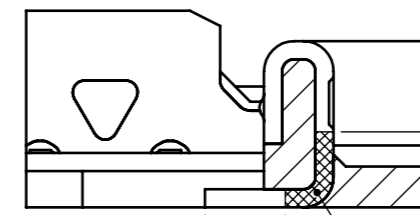


DETAIL M (S=40:1)



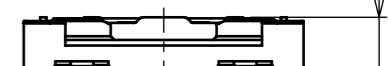
SECT. J-J (S=40:1)

Ni BARRIER 0.1 mm MIN. IN HACHING AREA.

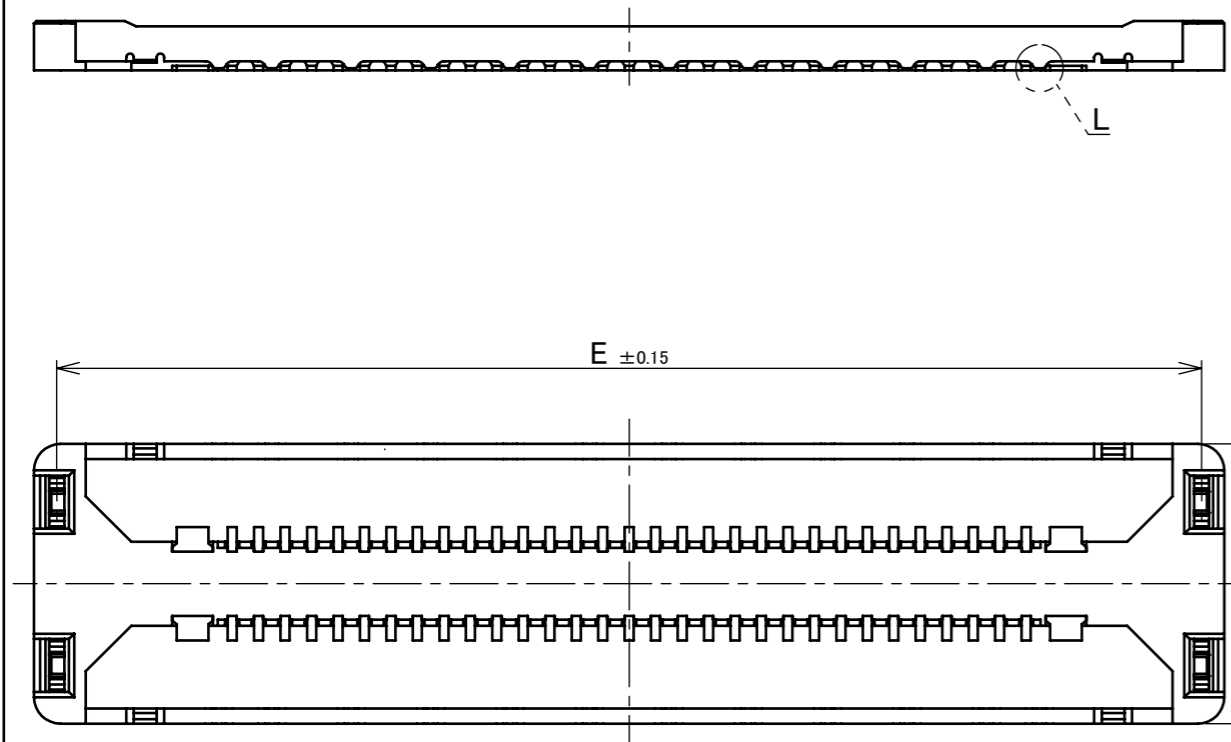


SECT. K-K (S=40:1)

Ni BARRIER 0.1 mm MIN. IN HACHING AREA.



MATING CONDITION



NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
4	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.27 μm MIN. Au 0.01 μm MIN.
3	POWER CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μm MIN. CONTACT PART Au 0.05 μm MIN. SOLDERING PART Au 0.02 μm MIN.
2	SIGNAL CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μm MIN. CONTACT PART Au 0.05 μm MIN. SOLDERING PART Au 0.02 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

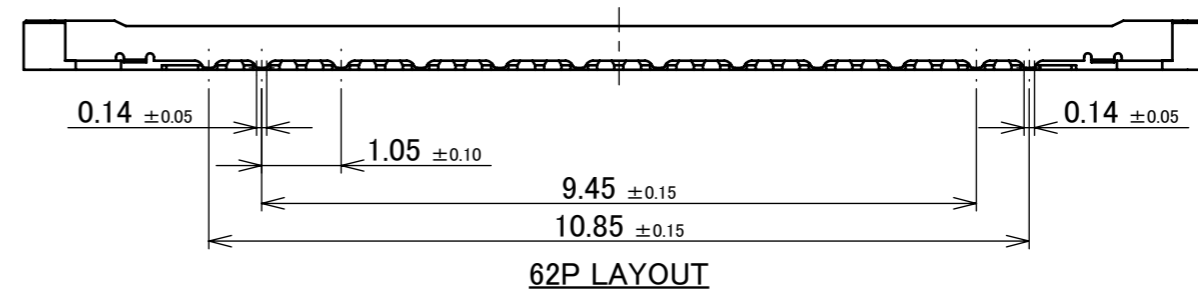
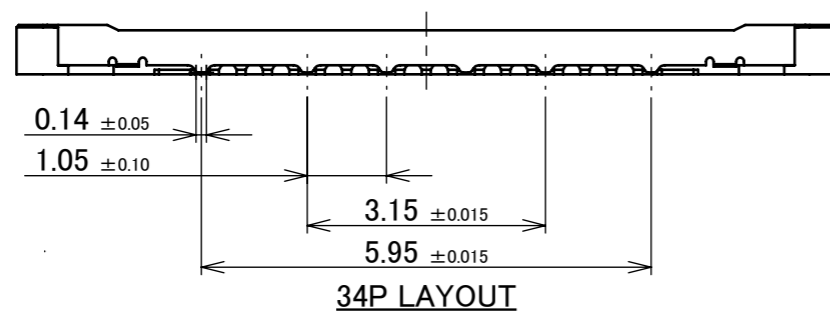
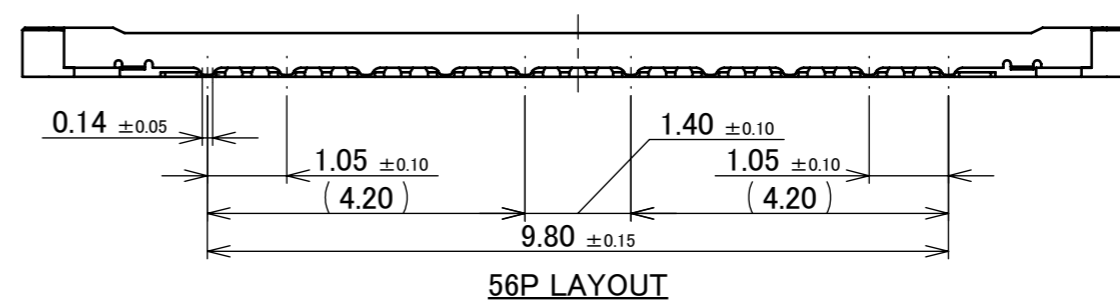
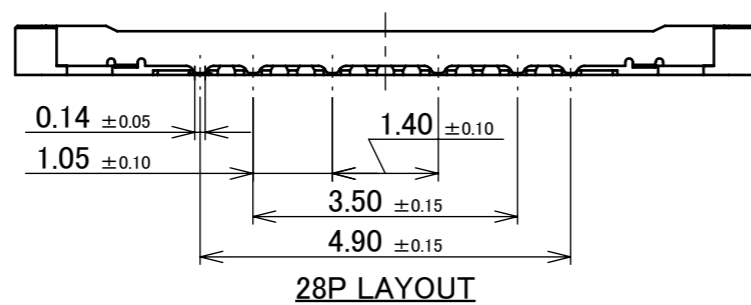
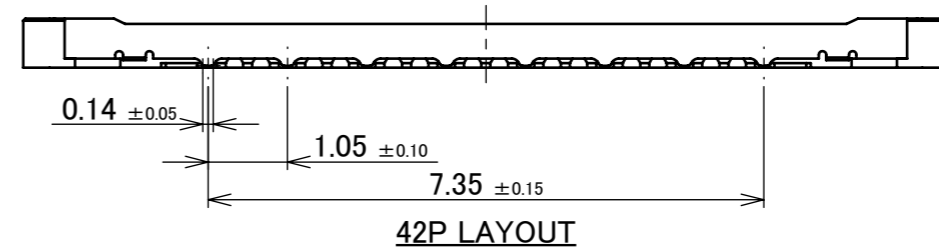
REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	APPROVAL	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
7	Z220191	Y.I	2022/03/04	Y.H	ANGLE	±2°	6 OVER 30 MAX.	±0.3		R1	NOVASTACK® 35-HDP PLUG ASS'Y	10:1	A3	7
6	Z200541	Y.B	2020/05/26	T.Y	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
5	Z181722	Y.B	2018/12/26	TAK	GENERAL TOLERANCE.									
4	Z180895	R.H	2018/07/09	TAK	DWG.	T.Kurachi		DATE	2016/01/13					
3	Z180170	T.K	2018/02/09	Y.S	CHK.									
2	Z161153	T.K	2016/09/15	J.T	APP.	J.Tateishi								
REVISION RECORD					DWG. No.	20697								

PART No.	SIGNAL POS.	POWER POS.
20697-028E-01	28P	4P
20697-034E-01	34P	4P
20697-042E-01#	42P	4P
20697-056E-01#	56P	4P
20697-062E-01#	62P	4P

20697-0**E-01M

WITHOUT : 10,000 pcs/REEL
WITH : 5,000 pcs/REEL

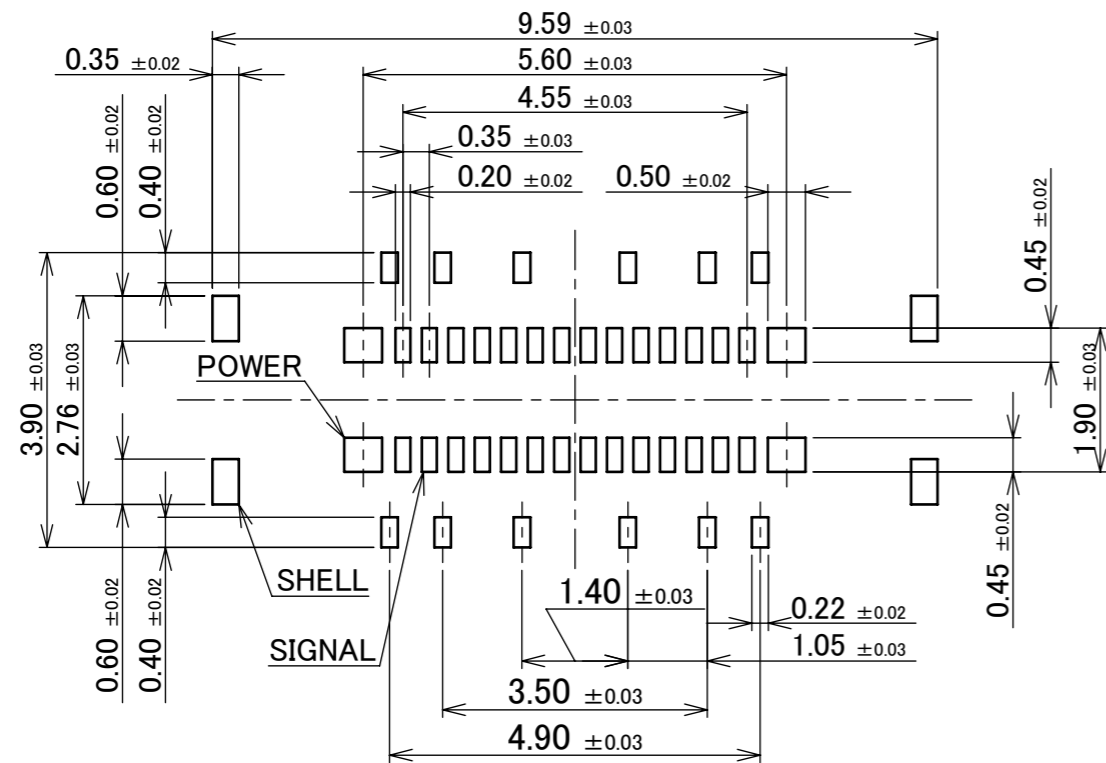
Pos.



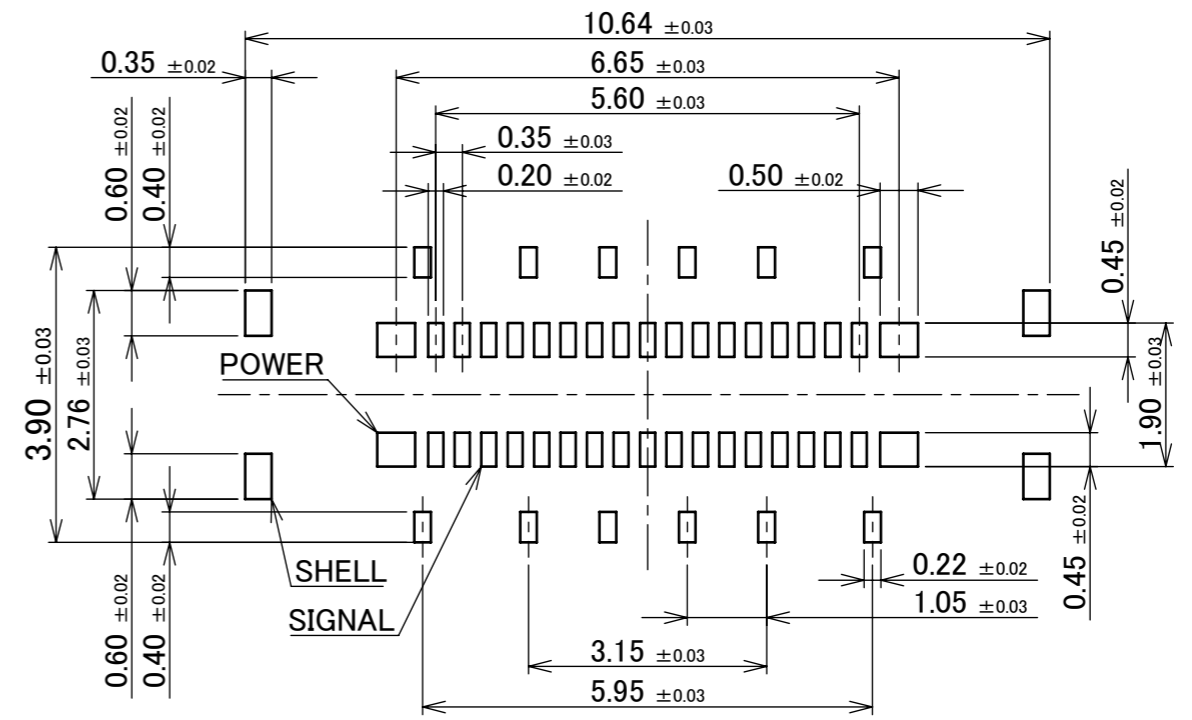
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R1	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP PLUG ASS'Y		SCALE 10:1	I-PEX		
DWG.	DATE			DWG. No. 20697		UNIT mm			
CHK.						SIZE A3			

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20698-0**E-01*
RATING VOLTAGE	60V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT PIN)/ 12.0A AC/DC(TOTAL)
RATING AMPERAGE (FOR POWER CONTACT)	2.2A AC/DC (PER CONTACT PIN)/ 8.8A AC/DC(TOTAL)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 40mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
CONTACT RESISTANCE (FOR POWER CONTACT)	INITIAL : 20mohm MAX. / AFTER TEST : \triangle 20mohm MAX.
CONTACT RESISTANCE (FOR GROUND)	INITIAL : 20mohm MAX. / AFTER TEST : \triangle 20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1,000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL)	1.0N \times n + 4.0N MAX.
UNMATING FORCE (AFTER TEST)	0.1N \times n + 0.4N MIN.
COPLANARITY	CONTACT AND POWER CONTACT: 0.08 MAX. SHELL: 0.105 MAX.
PRODUCT SPECIFICATION	PRS-2187
TEST REPORT	TR-16014
PACKING STANDARD	PST-15083 (10K/REEL) PST-16125 (5K/REEL)
INSTRUCTION MANUAL	HIM-15020
APPEARANCE CRITERIA No.	QLS-A***

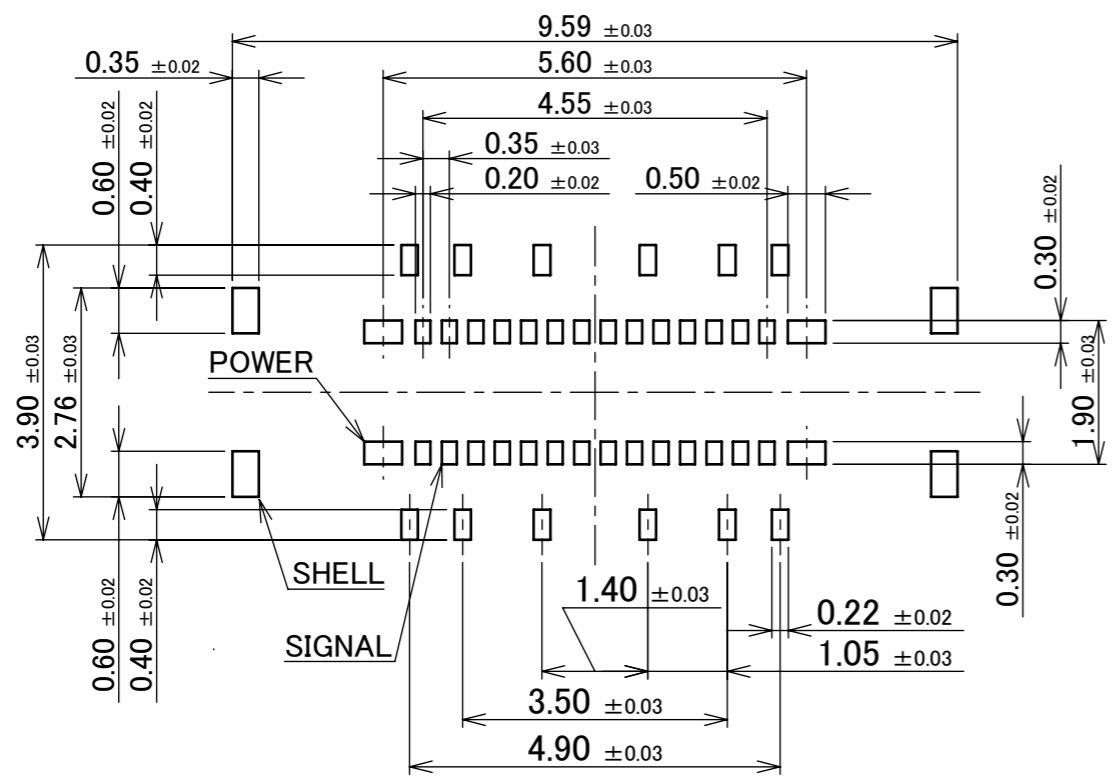
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R1	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP PLUG ASS'Y	SCALE	I-PEX		
DWG.	DATE				-			
CHK.					UNIT			
APP.					mm			
				DWG. No.	20697	SIZE	SHEET	REV.
					A3	3/8	7	



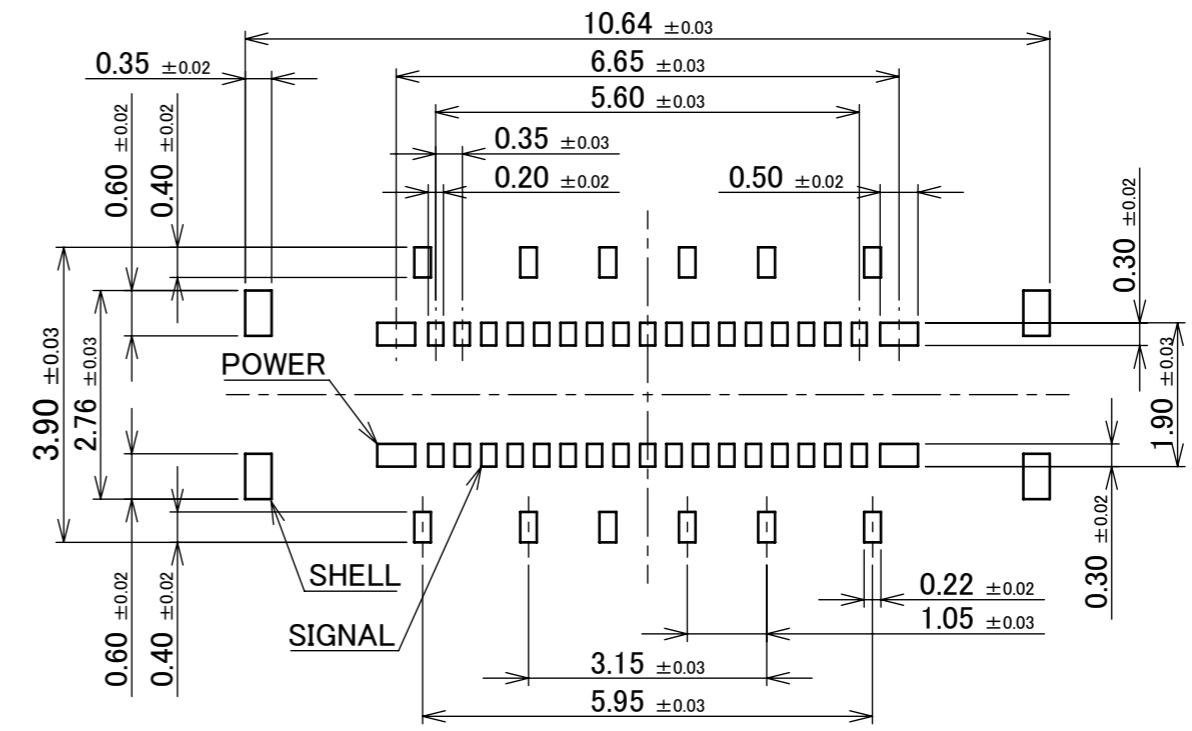
RECOMMENDED PATTERN LAYOUT (28P)



RECOMMENDED PATTERN LAYOUT (34P)

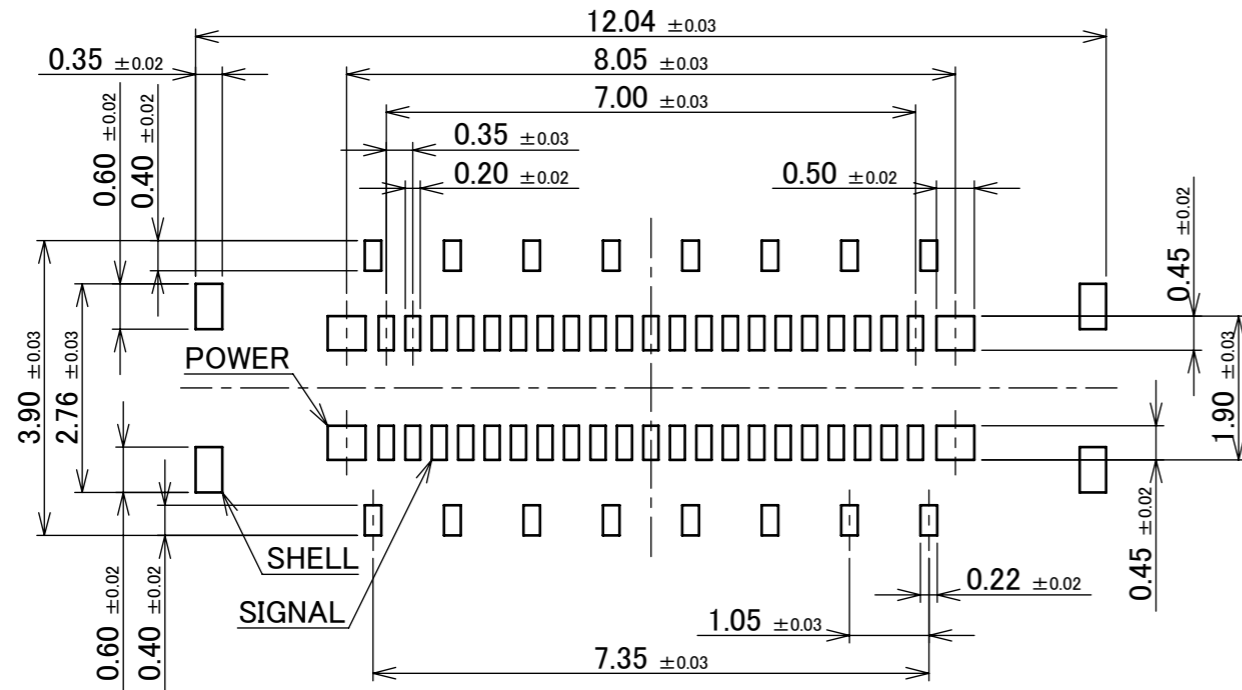


RECOMMENDED METAL MASK LAYOUT (28P)
THICKNESS : t=0.10 mm

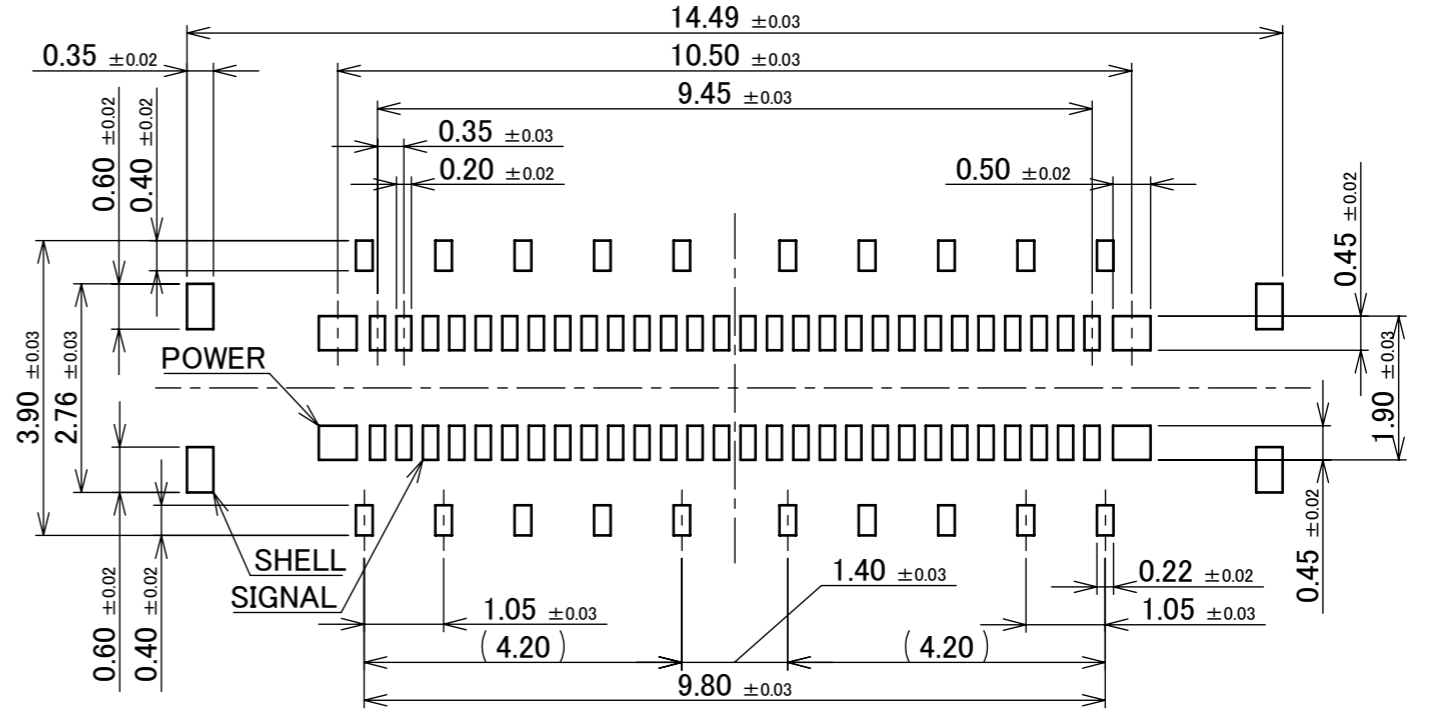


RECOMMENDED METAL MASK LAYOUT (34P)
THICKNESS : t=0.10 mm

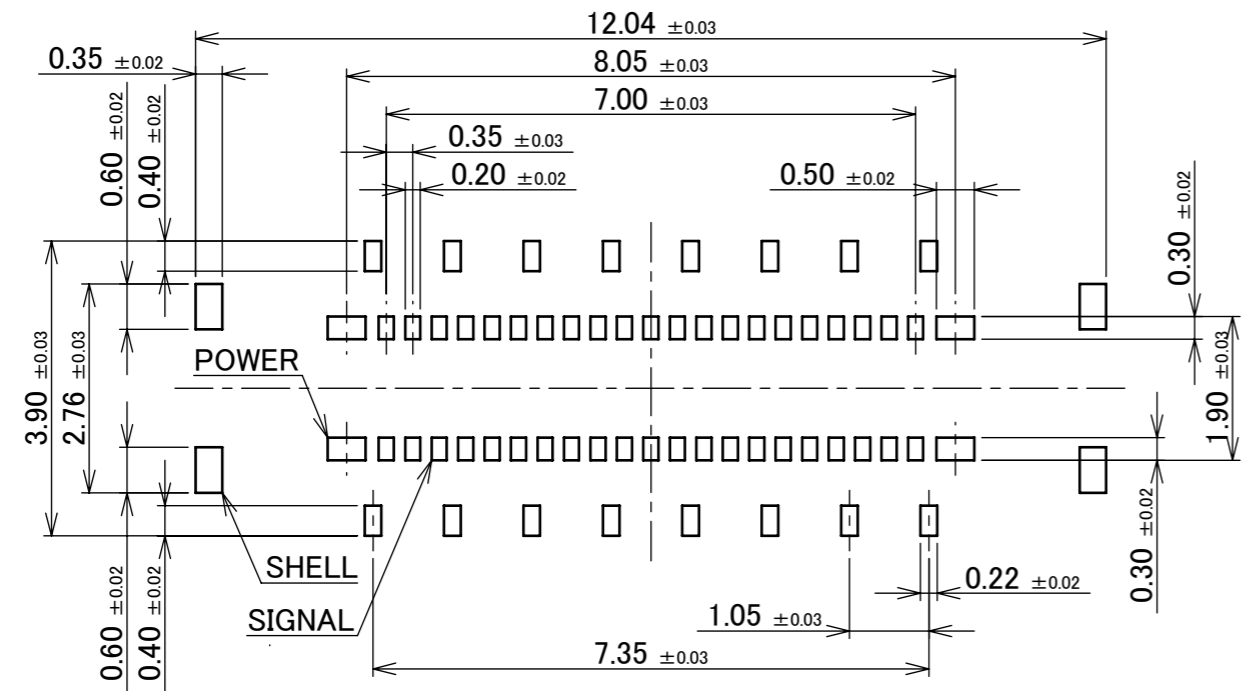
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R1	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			NOVASTACK® 35-HDP PLUG ASS'Y		10:1			
CHK.						UNIT			
APP.						mm			
				DWG. No.	20697	SIZE	SHEET	REV.	
						A3	4/8	7	



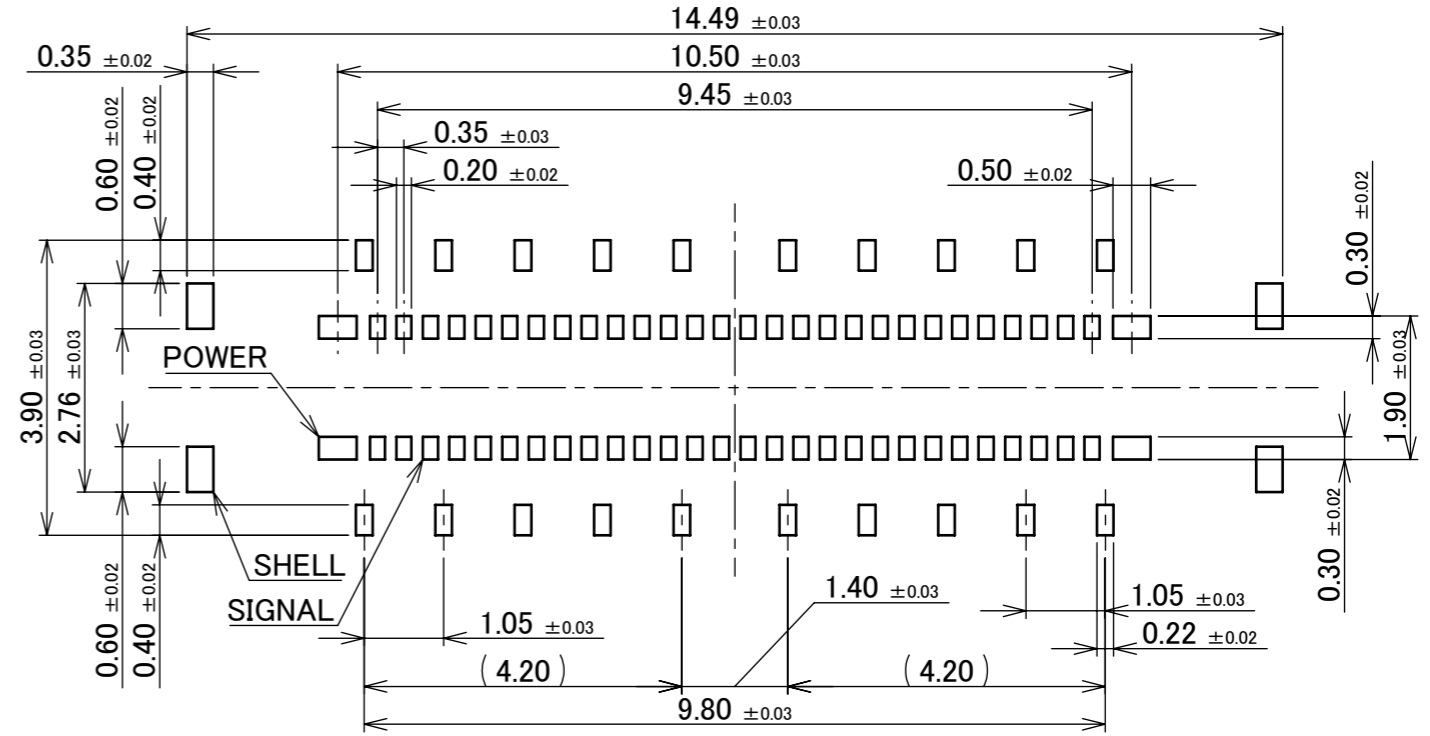
RECOMMENDED PATTERN LAYOUT (42P)



RECOMMENDED PATTERN LAYOUT (56P)



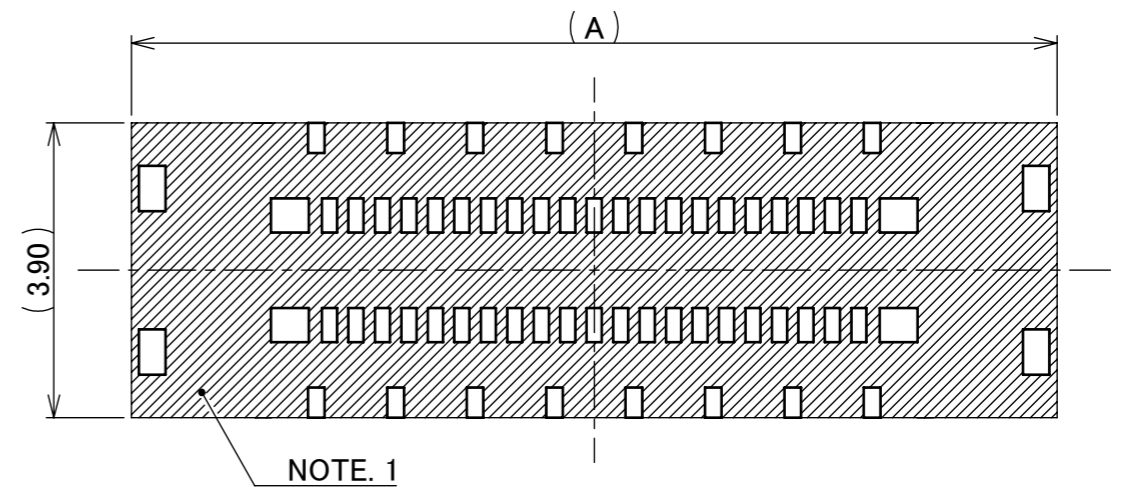
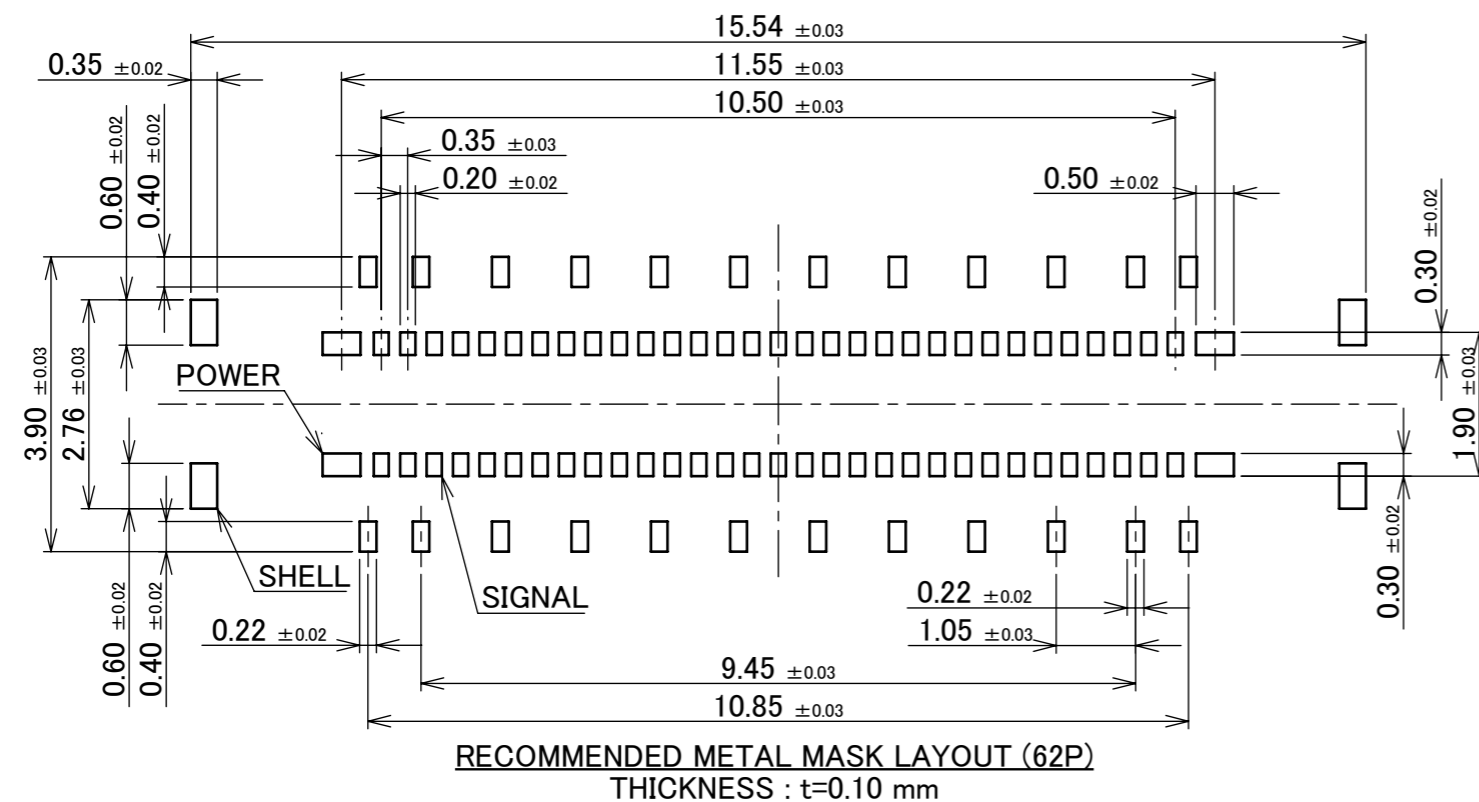
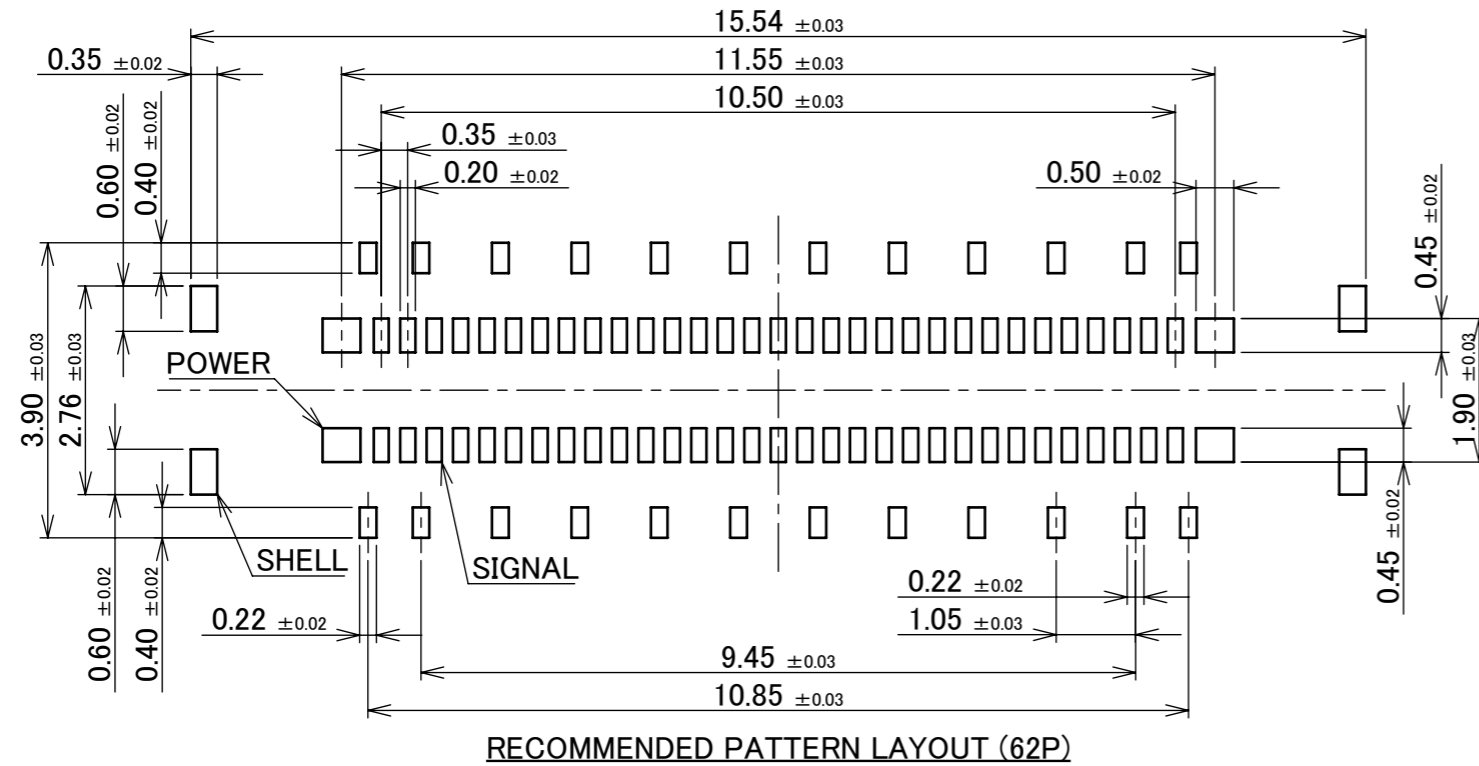
RECOMMENDED METAL MASK LAYOUT (42P)
THICKNESS : t=0.10 mm



RECOMMENDED METAL MASK LAYOUT (56P)
THICKNESS : t=0.10 mm

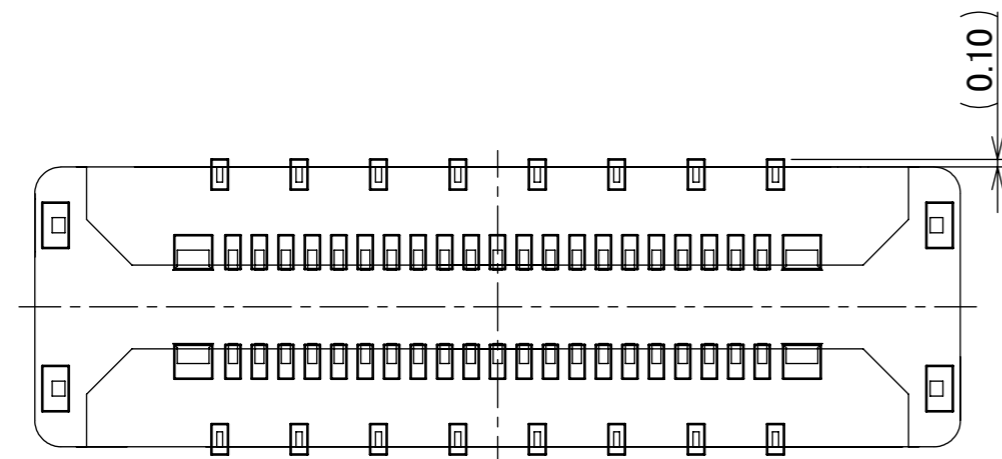
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R1	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			NOVASTACK® 35-HDP PLUG ASS'Y		10:1			
CHK.						UNIT			
APP.				DWG. No. 20697		mm			
						SIZE	SHEET	REV.	
						A3	5/8	7	

PART No.	SIGNAL POS.	POWER POS.	A
20697-028E-01	28P	4P	9.79
20697-034E-01	34P	4P	10.84
20697-042E-01#	42P	4P	12.24
20697-056E-01#	56P	4P	14.69
20697-062E-01#	62P	4P	15.74

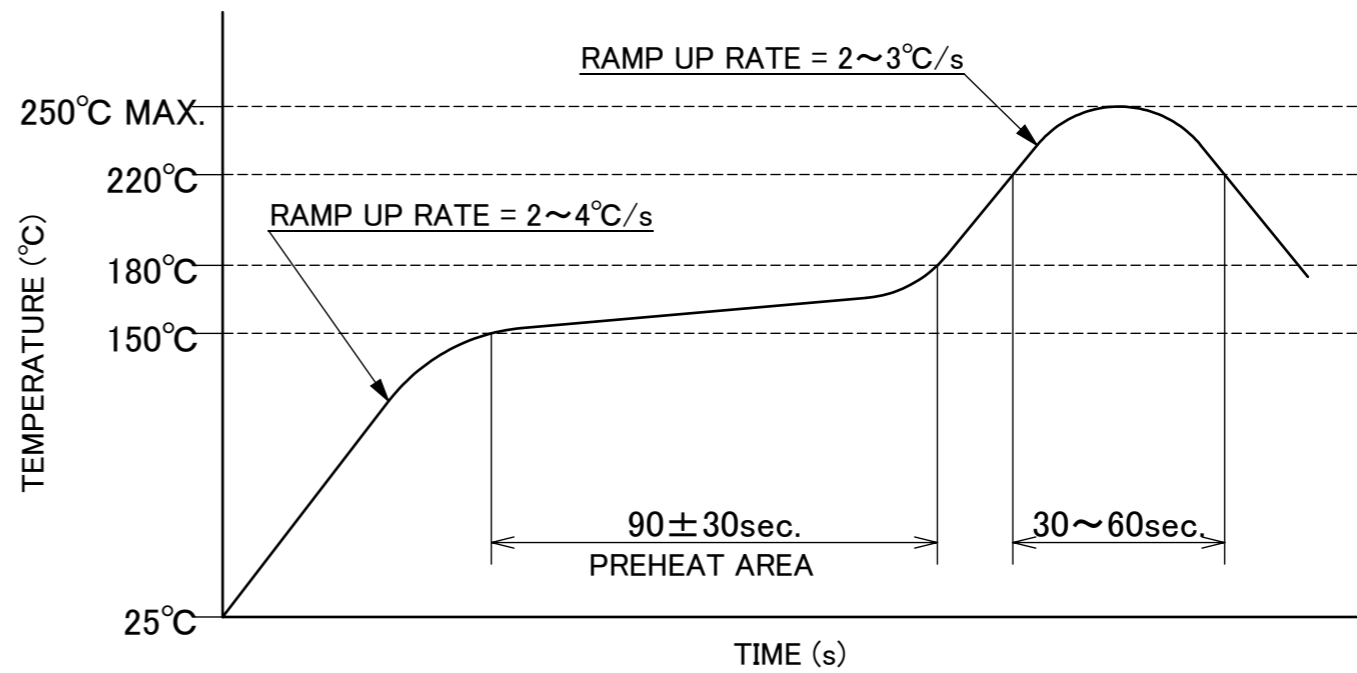


NOTES.
1. THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R1	CUSTOMER COPY		
	6 MAX.	±0.2	30 OVER 120 MAX.					±0.5
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX	
DWG.	DATE			NOVASTACK® 35-HDP PLUG ASS'Y		10:1		
CHK.						UNIT mm		
APP.				DWG. No.	20697	SIZE A3	SHEET 6/8	REV. 7



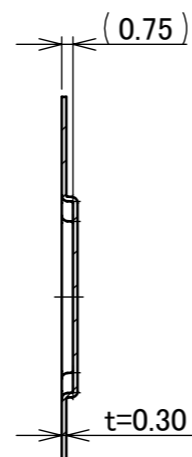
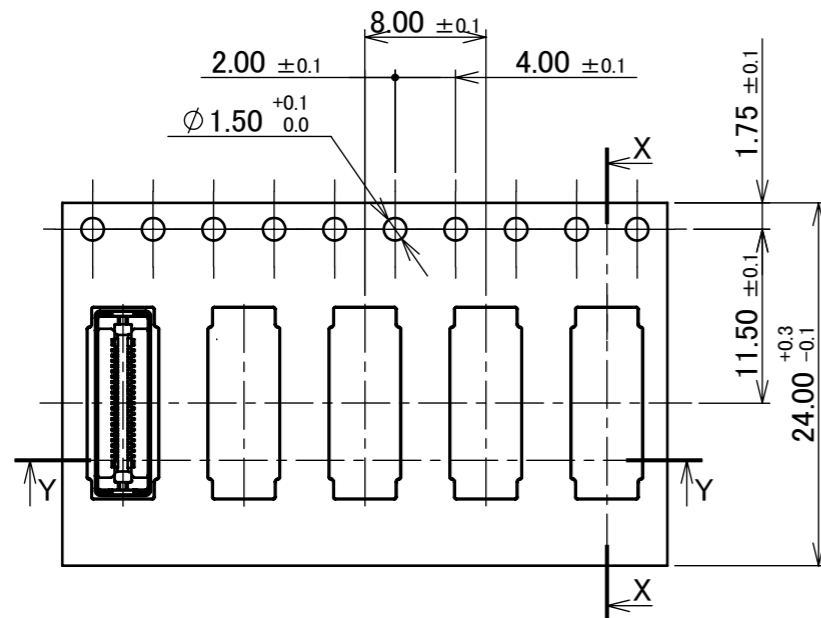
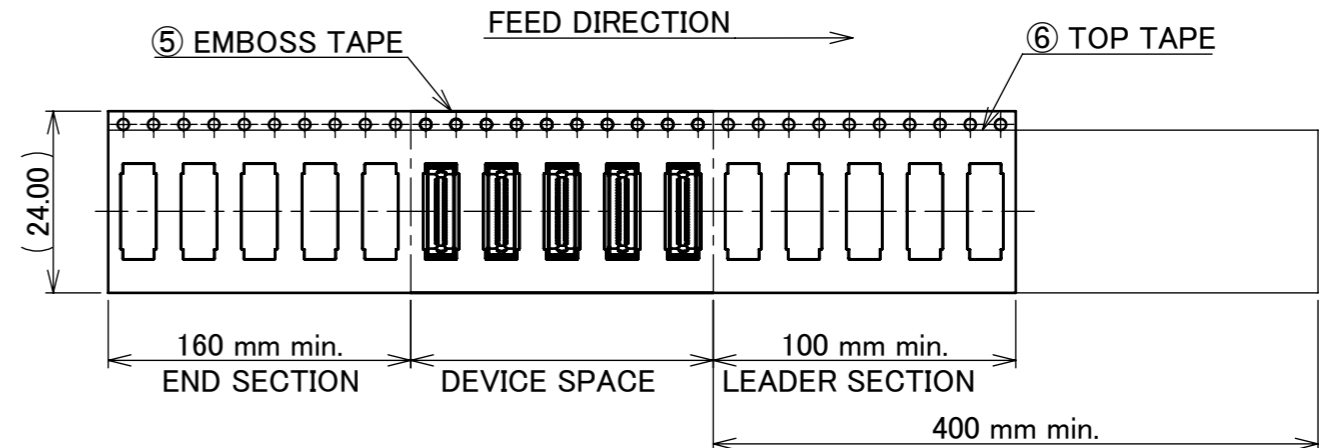
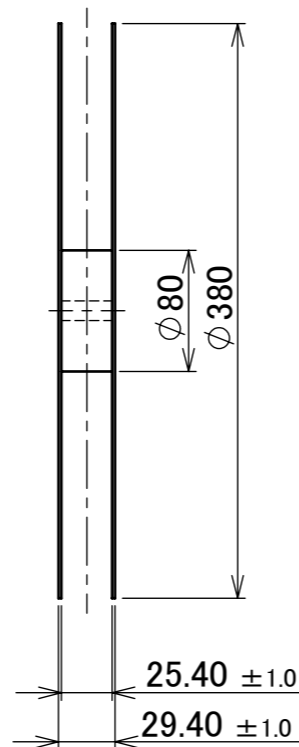
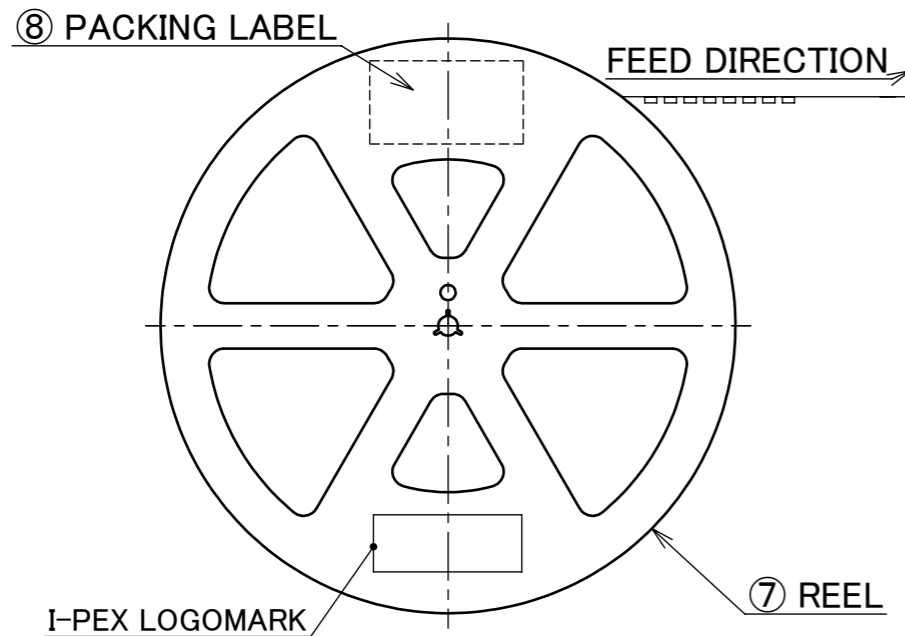
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



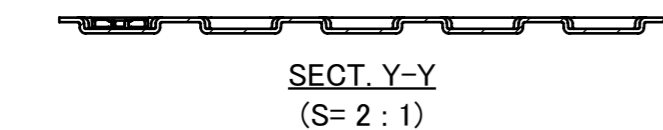
REFLOW TEMPERATURE PROFILE
 SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP PLUG ASS'Y	SCALE 10:1			
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20697	SIZE	SHEET	REV.
						A3	7/8	7

PART NO.	Pos.	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON
20697-0**E-01	28P	10,000 / REEL	10,000 × 5 REELS = 50,000
	34P		
	42P		
	56P		
	62P		
20697-0**E-01M	42P	5,000 / REEL	5,000 × 5 REELS = 25,000
	56P		
	62P		



SECT. X-X
(S= 2 : 1)



SECT. Y-Y
(S= 2 : 1)

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.	DESCRIPTION	MATERIAL	FINISH , REMARKS
8	PACKING LABEL	-	-
7	REEL	PS	ANTI-STATIC TYPE BLACK
6	TOP TAPE	PET t=0.062 TRANSPARENCY	ANTI-STATIC TYPE
5	EMBOSS TAPE	PS 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		R1				
GENERAL TOLERANCE.				TITLE	NOVASTACK® 35-HDP		SCALE	I-PEX	
DWG.	DATE			PLUG ASS'Y		UNIT			
CHK.						mm			
APP.				DWG. No.	20697	SIZE	SHEET	REV.	
						A3	8/8	7	