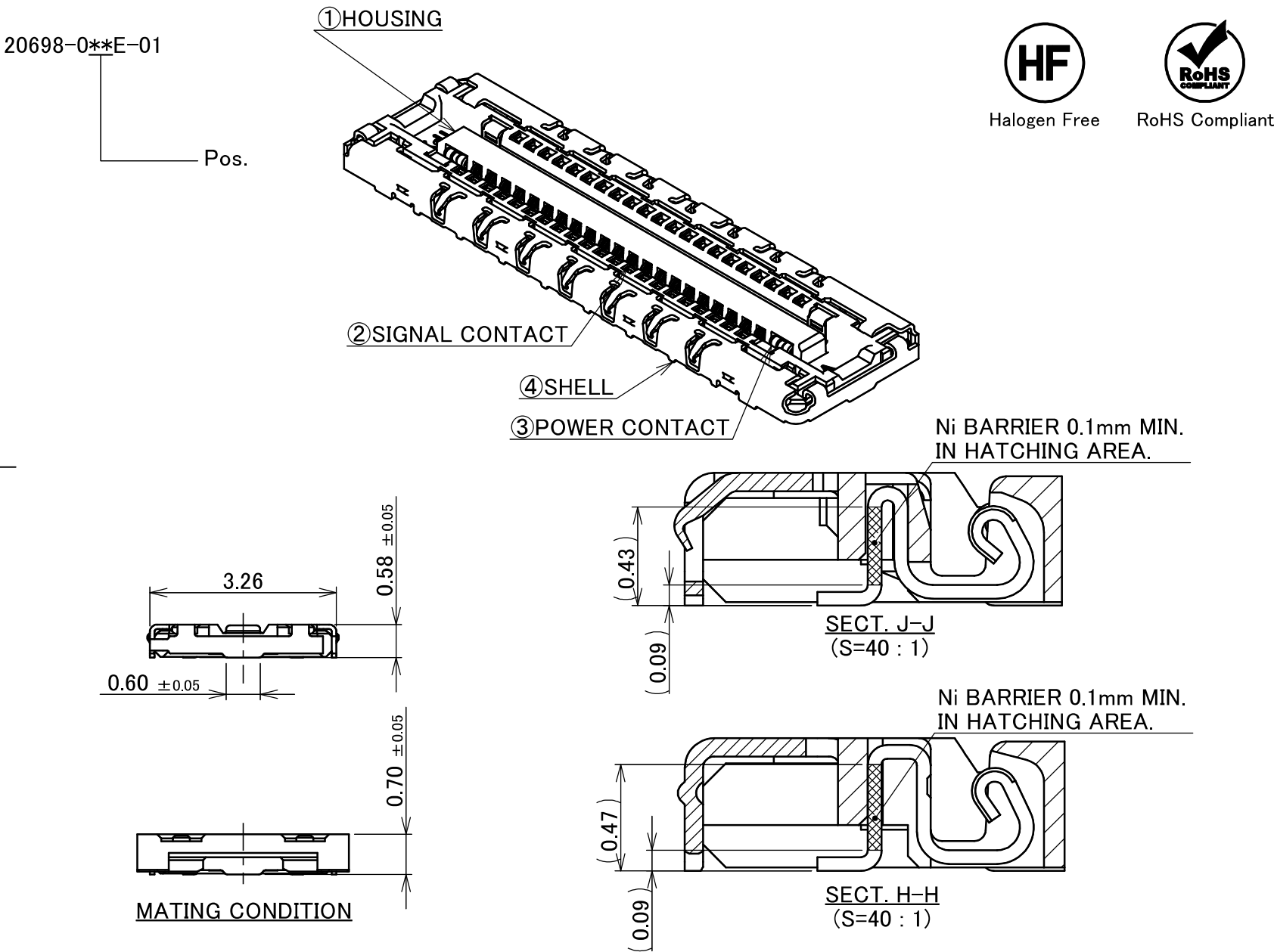
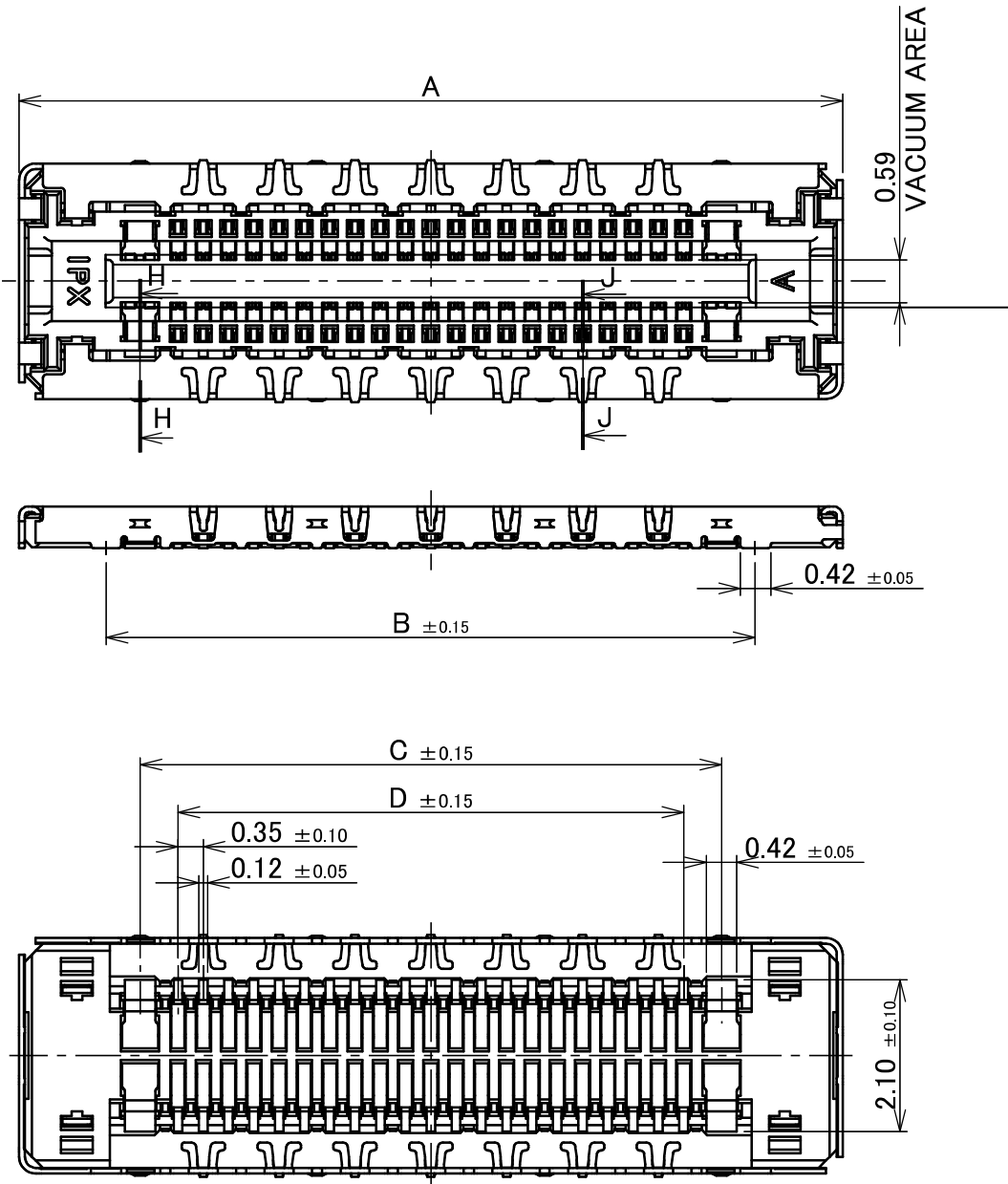


Recommended P/N20698-0**E-01

PART No.	SIGNAL POS.	POWER POS.	A	B	C	D
20698-016E-01	16P	4P	6.85	4.44	3.50	2.45
20698-028E-01	28P	4P	8.95	6.54	5.60	4.55
20698-034E-01	34P	4P	10.00	7.59	6.65	5.60
20698-042E-01	42P	4P	11.40	8.99	8.05	7.00
20698-056E-01	56P	4P	13.85	11.44	10.50	9.45
20698-062E-01	62P	4P	14.90	12.49	11.55	10.50



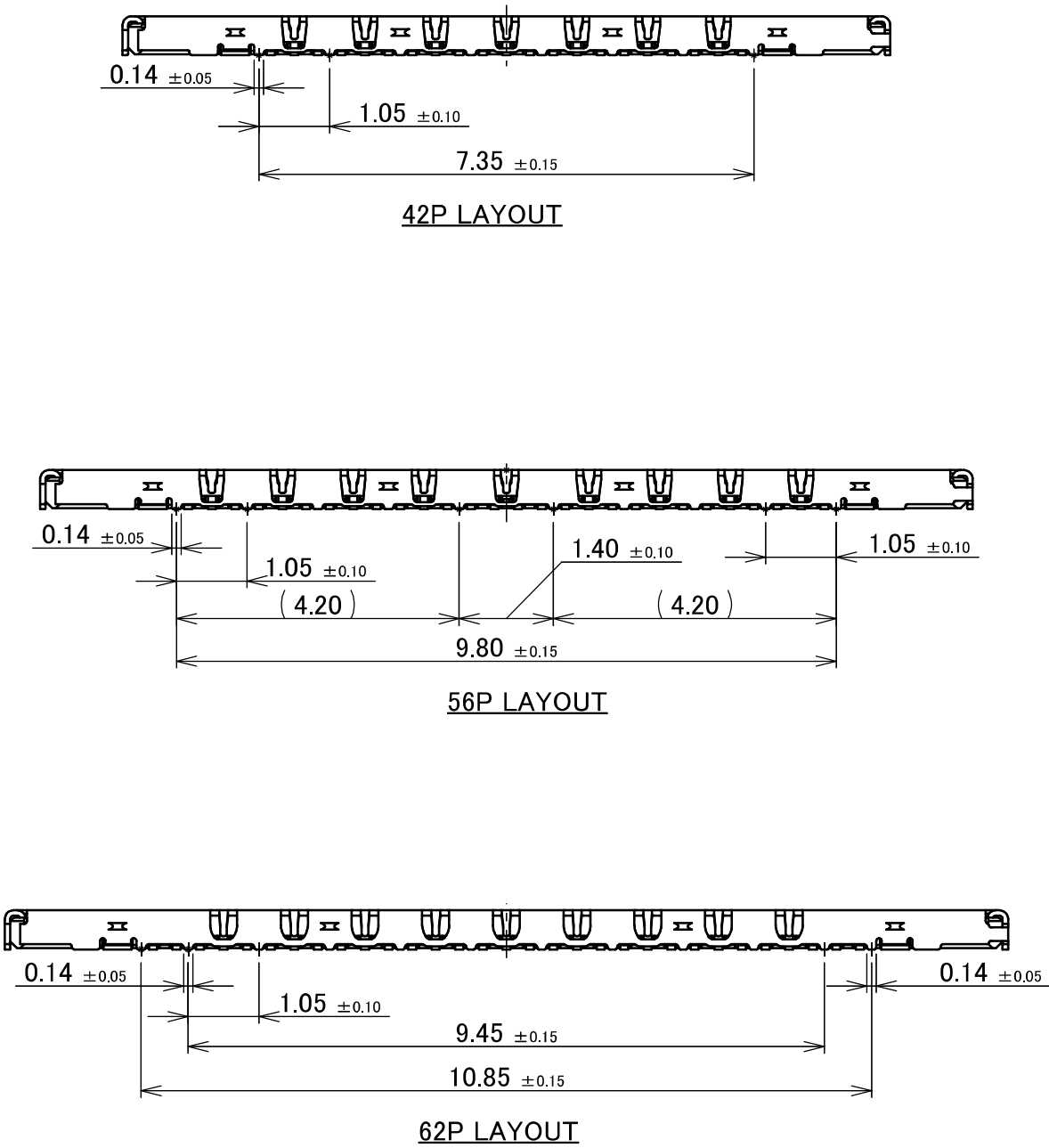
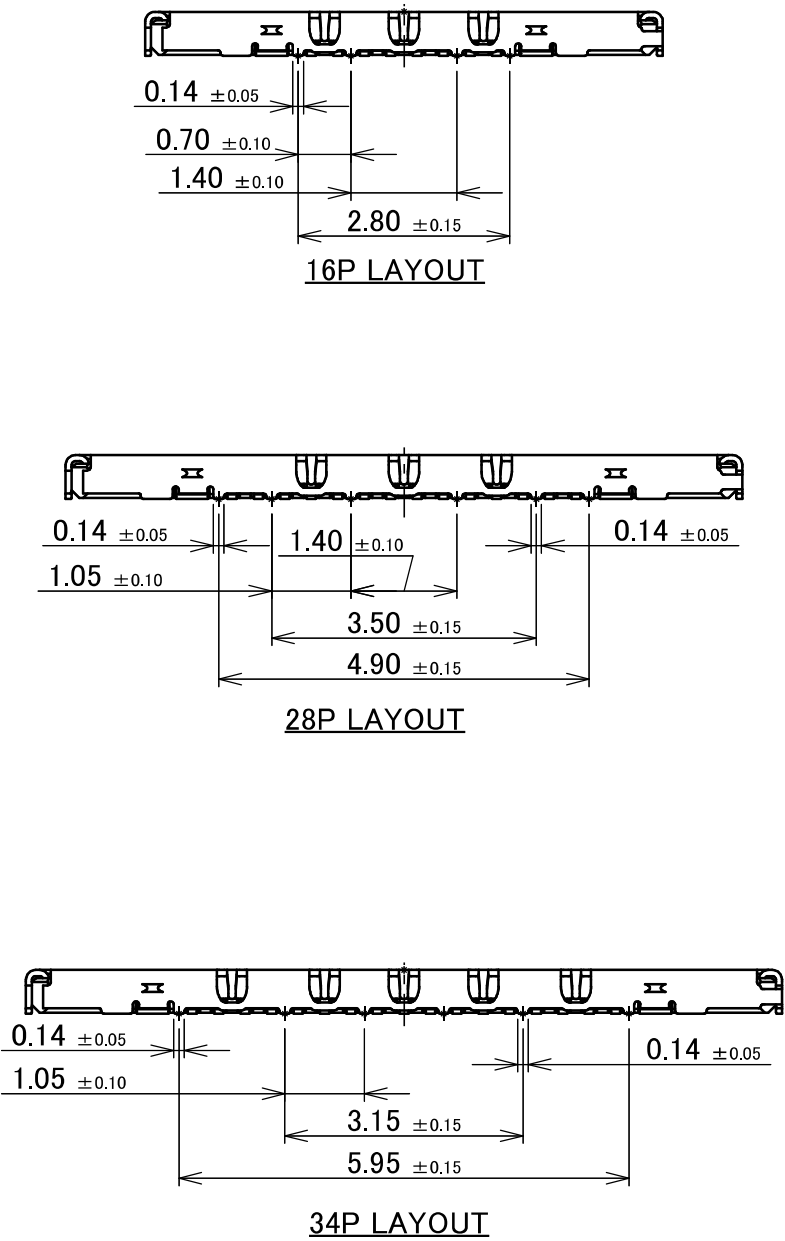
4	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.27 μ m MIN. Au 0.01 μ m MIN.
3	POWER CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.05 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
No.	DISCRIPTION	MATERIAL	FINISH , REMARKS

14	ZC00085	C.K	2025/09/09	S.S	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION SERIES No. R2	CUSTOMER COPY			
13	Z250489	TMT	2025/03/26	S.S	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
12	Z241223	Y.F	2024/09/09	S.S	GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE	I-PEX		
11	Z240715	Y.F	2024/06/07	S.S	DWG.	T.Kurachi	DATE	2016/01/13		10:1			
10	Z230294	K.W	2023/03/22	M.T	CHK.	—				UNIT			
9	Z220191	Y.I	2022/03/04	Y.H	APP.	J.Tateishi				mm			
REV.	ECN	BY	DATE	APP.	APP.	J.Tateishi			DWG. No.	20698	SIZE	SHEET	REV.
REVISION RECORD					J.Tateishi				20698		A3	1/9	14

PART No.	SIGNAL POS.	POWER POS.
20698-016E-01	16P	4P
20698-028E-01	28P	4P
20698-034E-01	34P	4P
20698-042E-01	42P	4P
20698-056E-01	56P	4P
20698-062E-01	62P	4P

20698-0**E-01

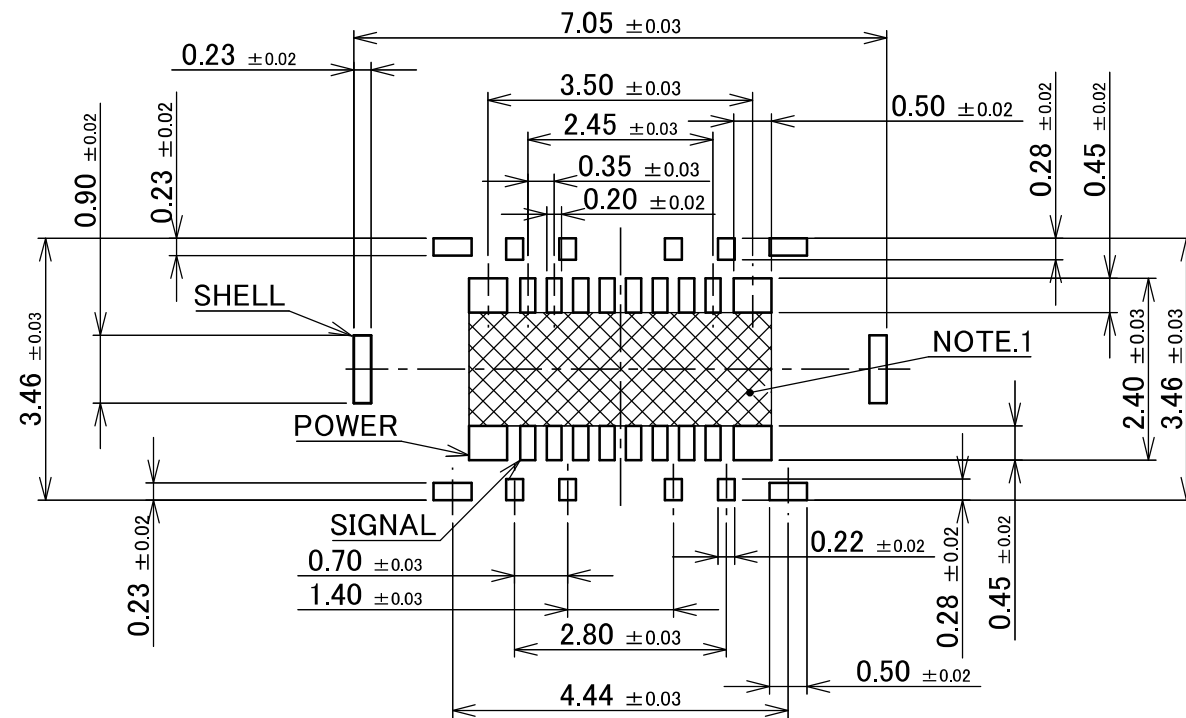
Pos.



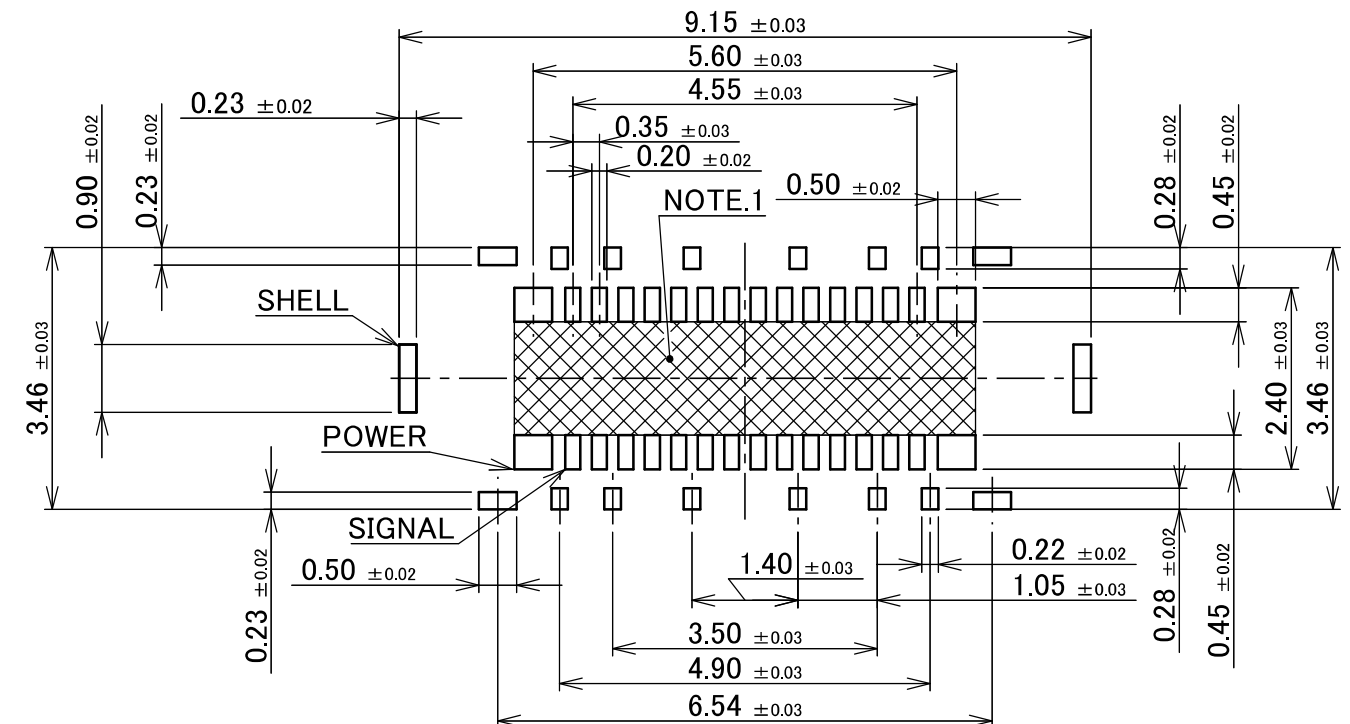
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20698		SIZE	SHEET	REV.
						A3	2/9	14

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20697-0**E-01-*
RATED VOLTAGE	60V AC (PER CONTACT PIN)
RATED AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT PIN)/ 12.0A AC/DC(TOTAL)
RATED 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.
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	AC 250V 1 min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	16P: 32.0 N MAX. 28P: 32.0 N MAX. 34P: 38.0 N MAX. 42P: 46.0 N MAX. 56P: 60.0 N MAX. 62P: 66.0 N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	16P: 3.2 N MIN. 28P: 3.2 N MIN. 34P: 3.8 N MIN. 42P: 4.6 N MIN. 56P: 6.0 N MIN. 62P: 6.6 N MIN.
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-2187
TEST REPORT	TR-16014
PACKING STANDARD	PST-15084
INSTRUCTION MANUAL	HIM-15020
APPEARANCE CRITERIA No.	QLS-A***

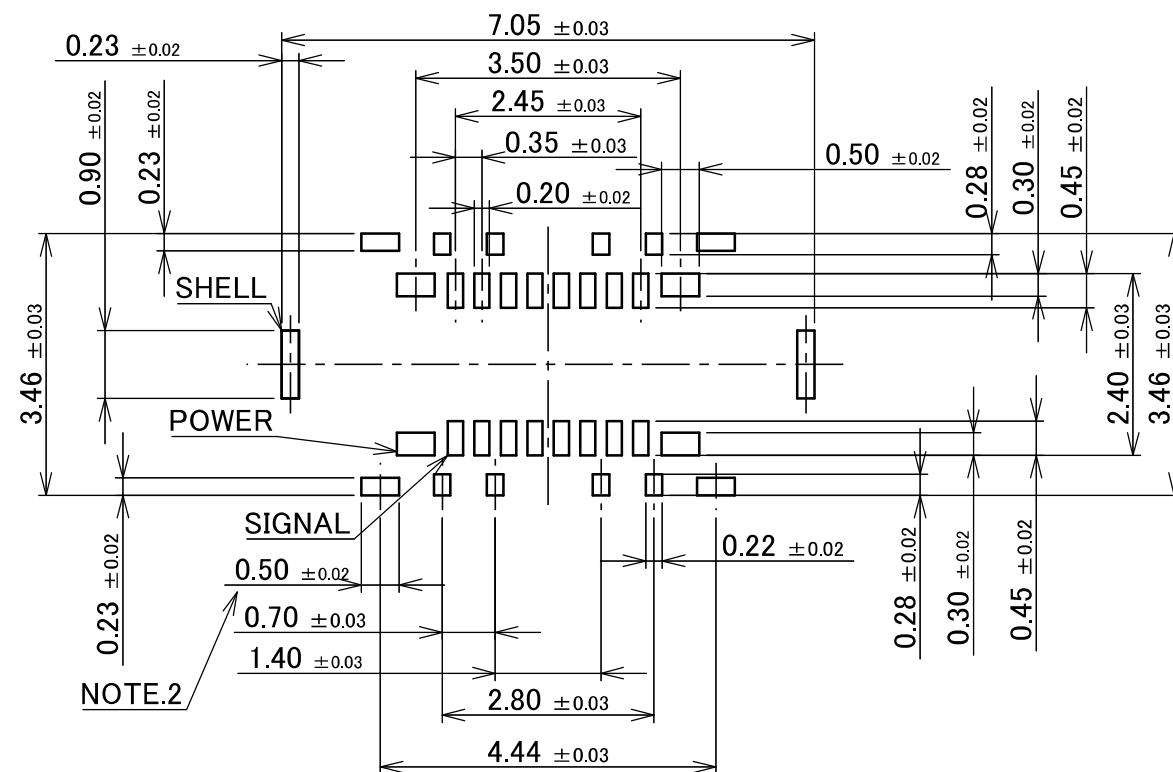
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
						DWG. No.		
						A3	3/9	14



RECOMMENDED PATTREN LAYOUT (16P)

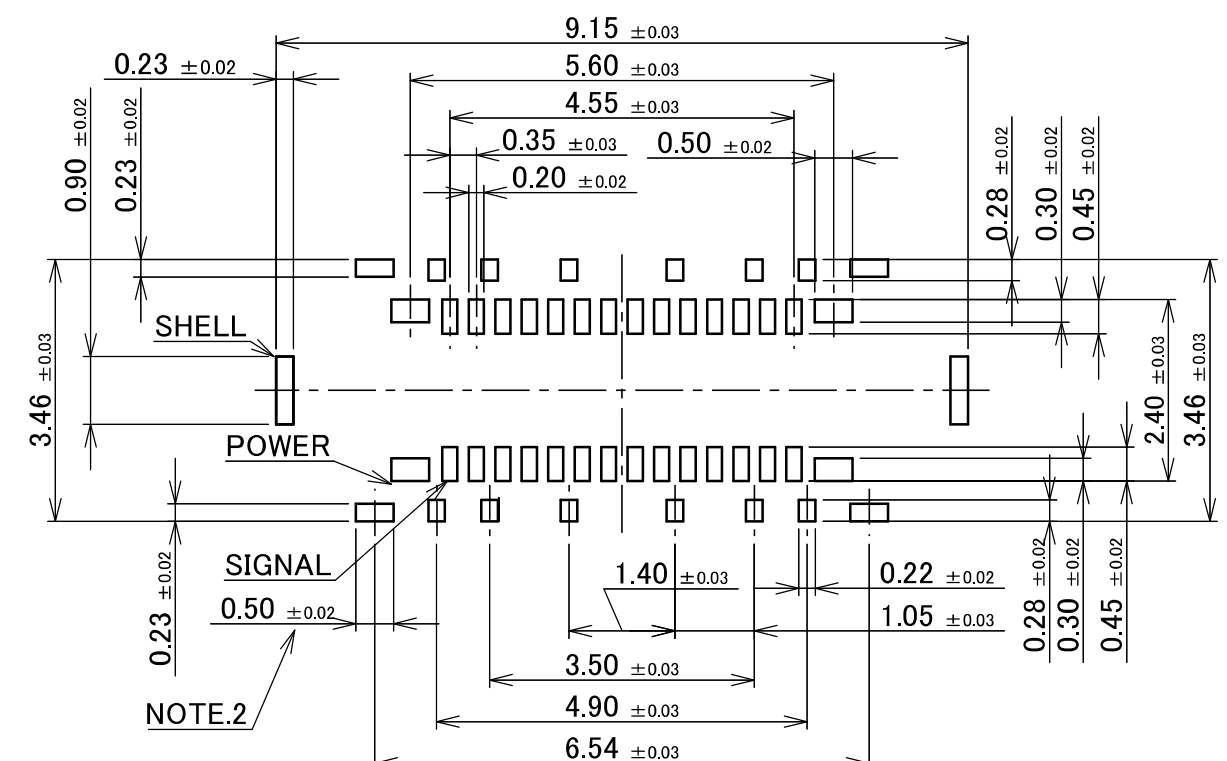


RECOMMENDED PATTERN LAYOUT (28P)



RECOMMENDED METAL MASK LAYOUT (16P)

THICKNESS : t=0.10mm

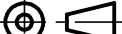
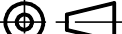


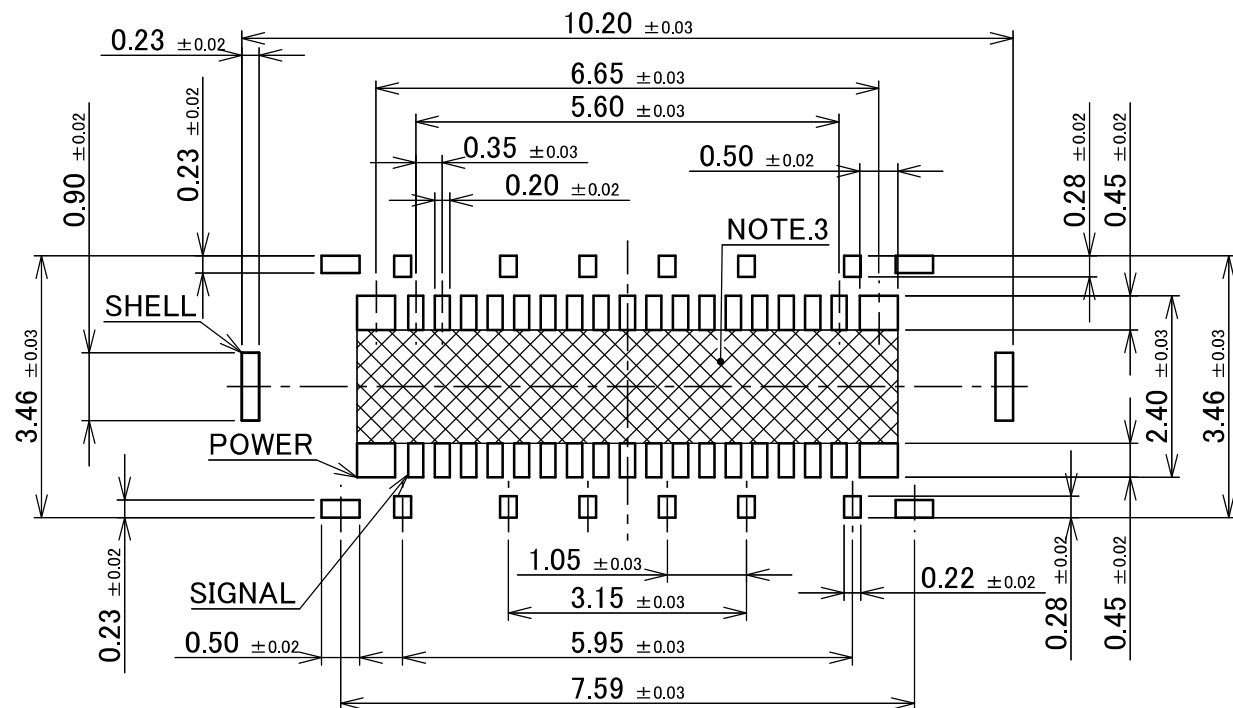
RECOMMENDED METAL MASK LAYOUT (28P)

THICKNESS : t=0.10mm

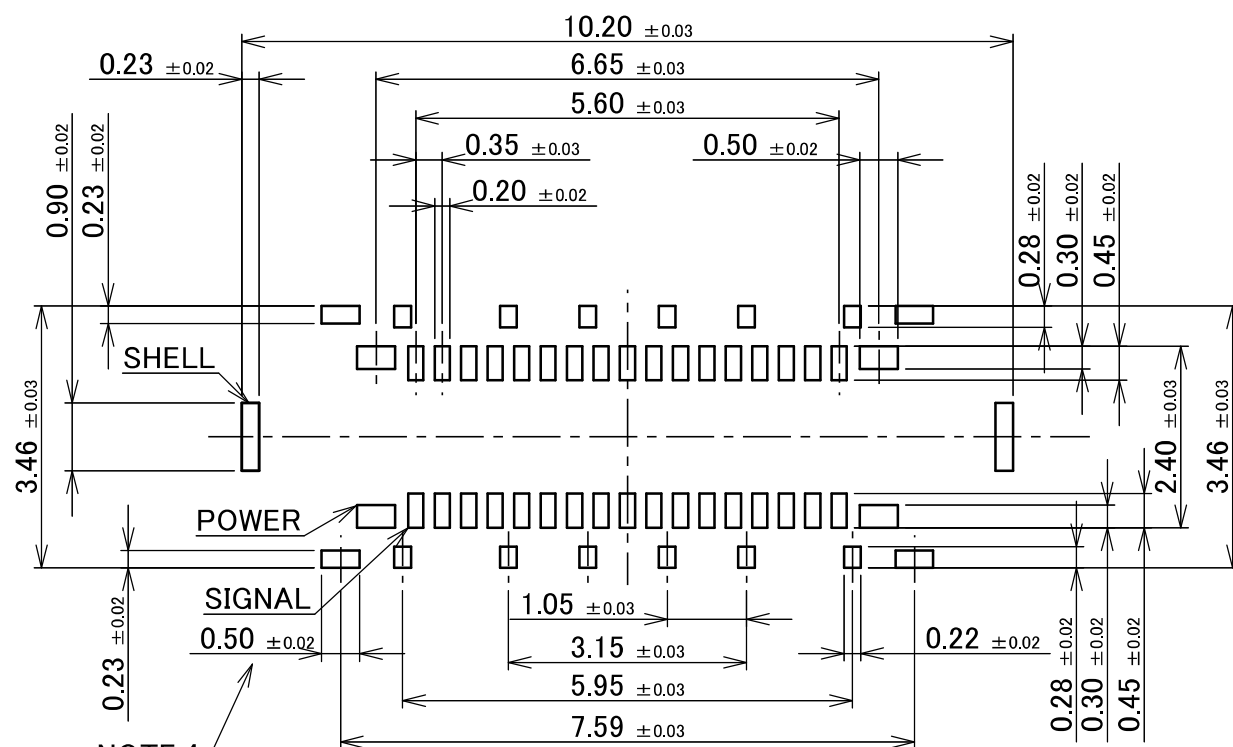
NOTES.

1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
2. WHEN THE THICKNESS OF THE METAL MASK IS 0.12 mm, PLEASE SET IT TO 0.41 mm.

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.					TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE		
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20698	SIZE	SHEET	REV.
						A3	4/9	14

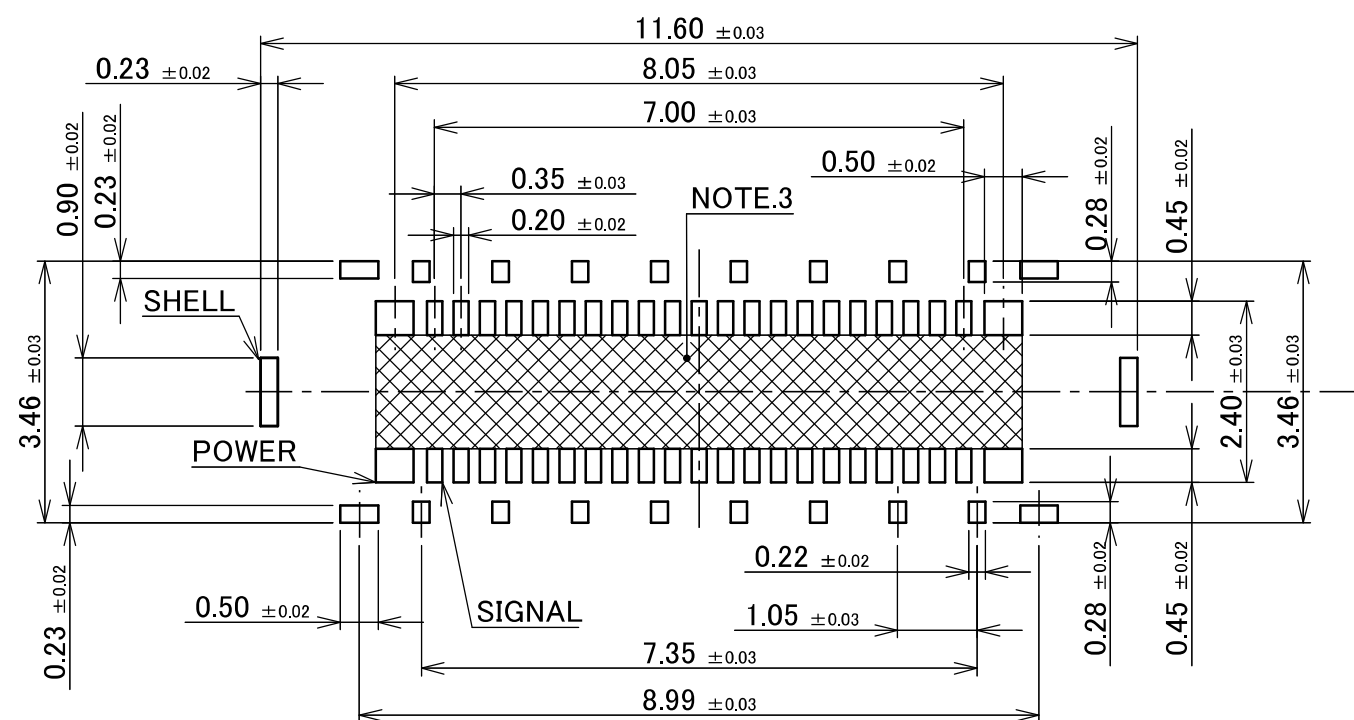


RECOMMENDED PATTERN LAYOUT (34P)

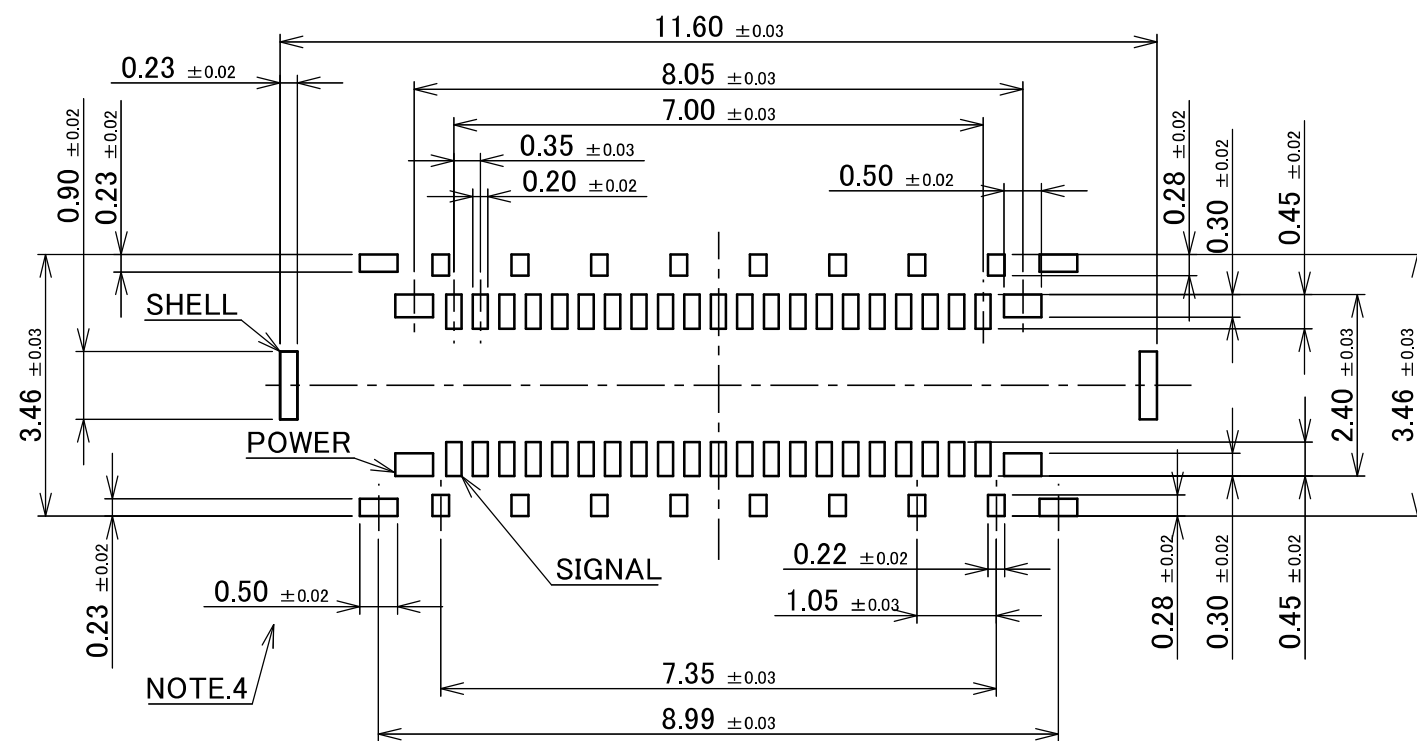


RECOMMENDED METAL MASK LAYOUT (34P)
THICKNESS : t=0.10mm

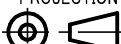
- NOTES.
 3. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
 4. WHEN THE THICKNESS OF THE METAL MASK IS 0.12 mm, PLEASE SET IT TO 0.41 mm.

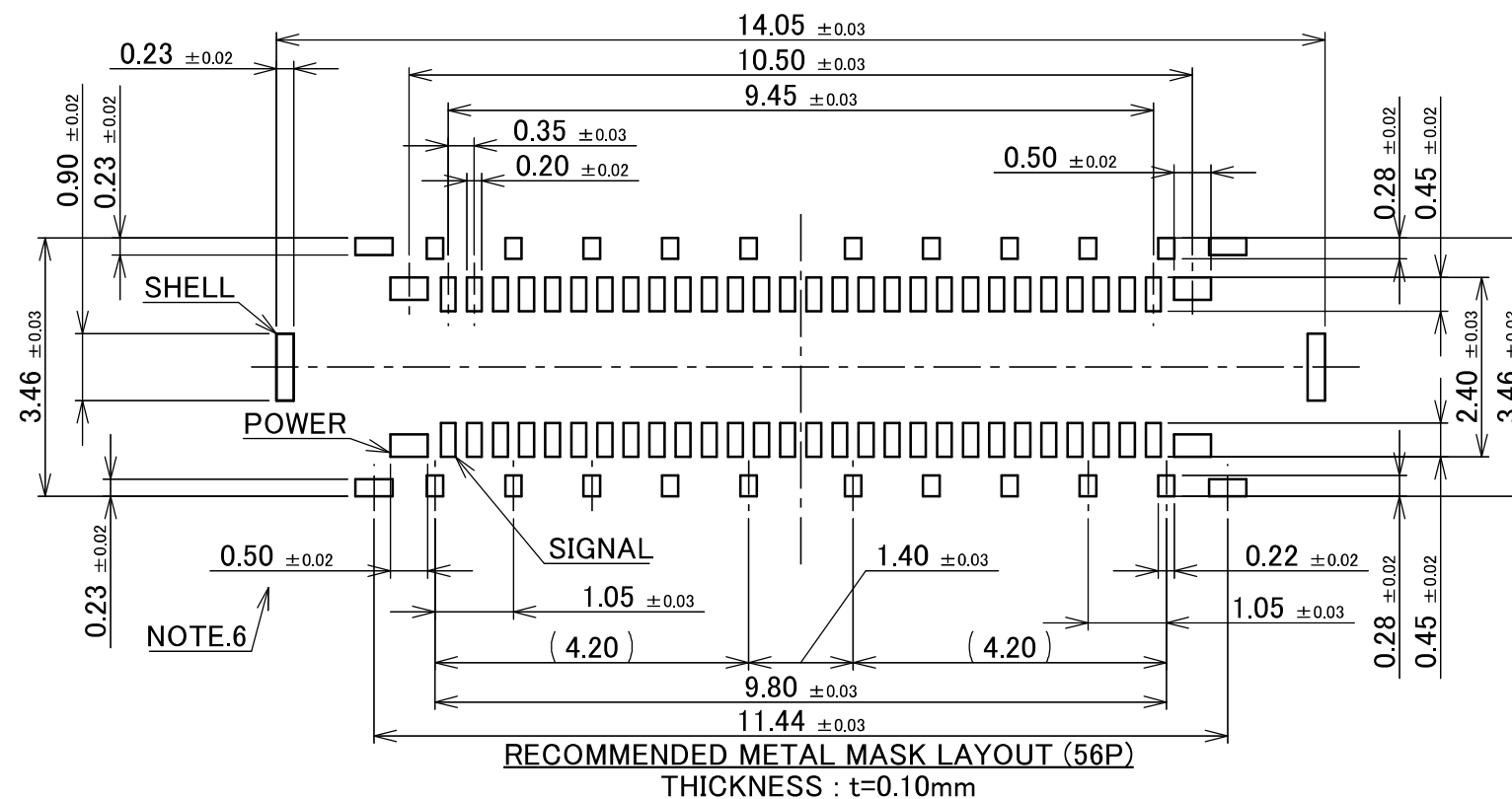
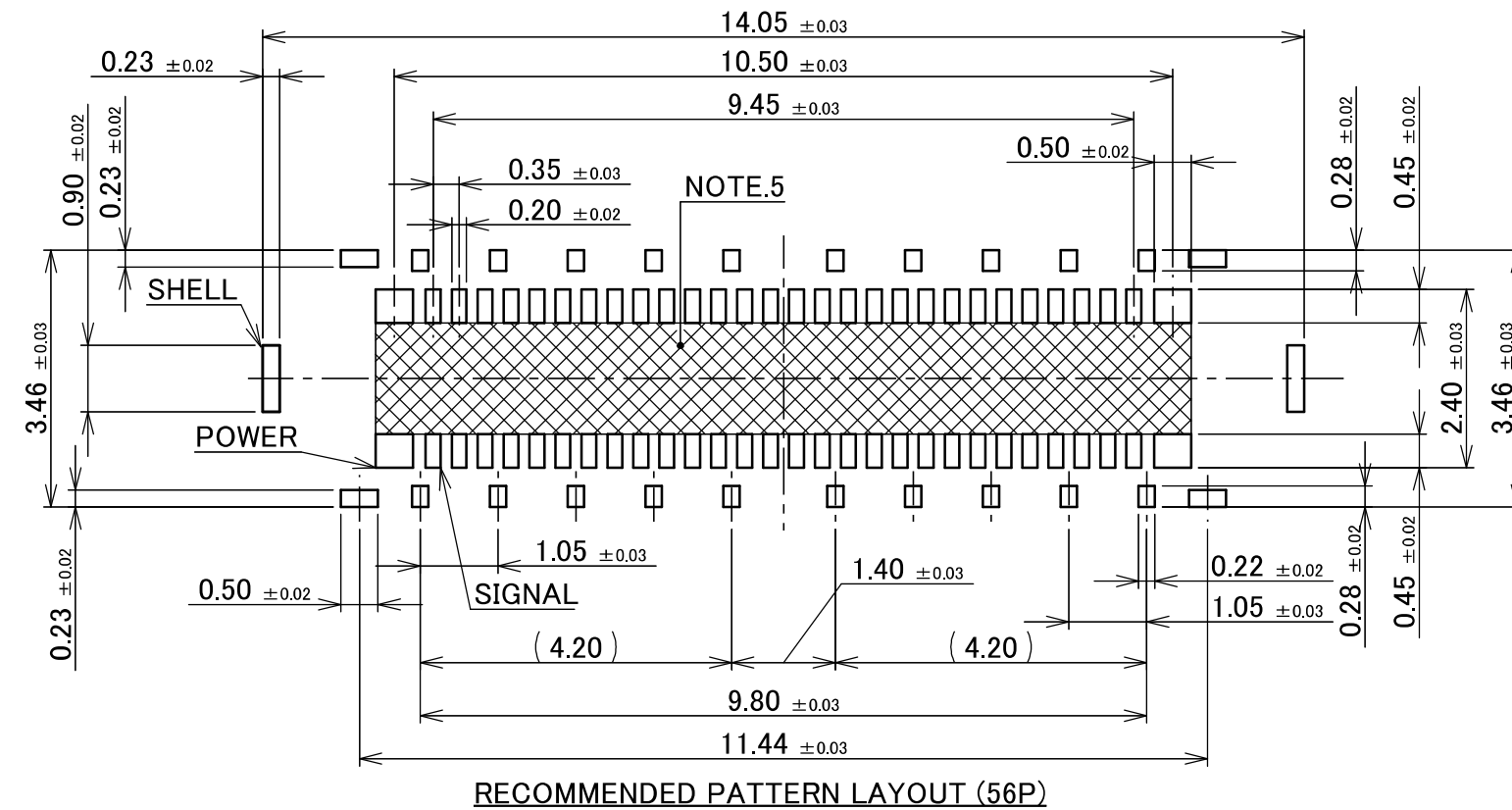


RECOMMENDED PATTERN LAYOUT (42P)



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

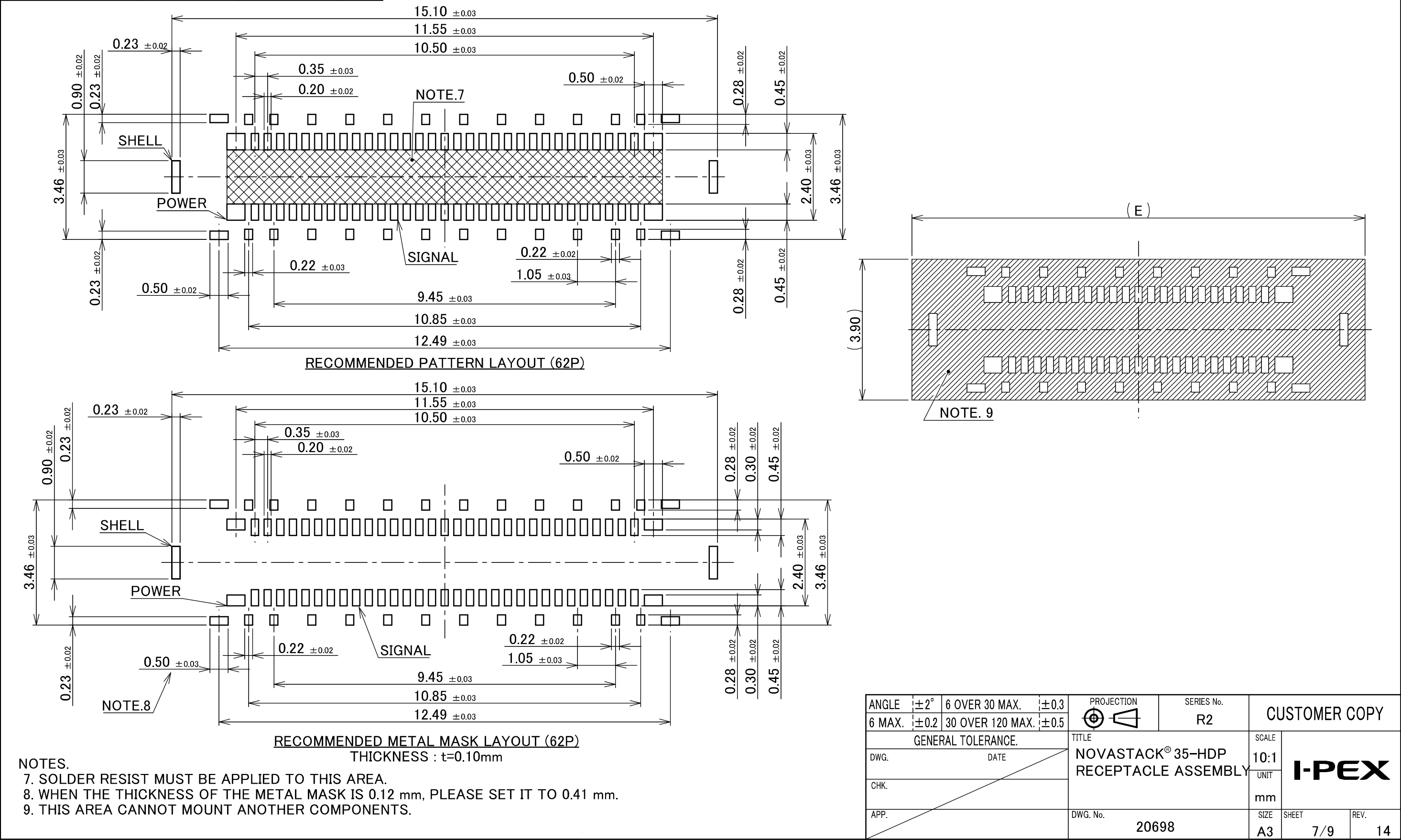
ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
			mm					
APP.				DWG. No.	20698	SIZE	SHEET	REV.
						A3	5/9	14

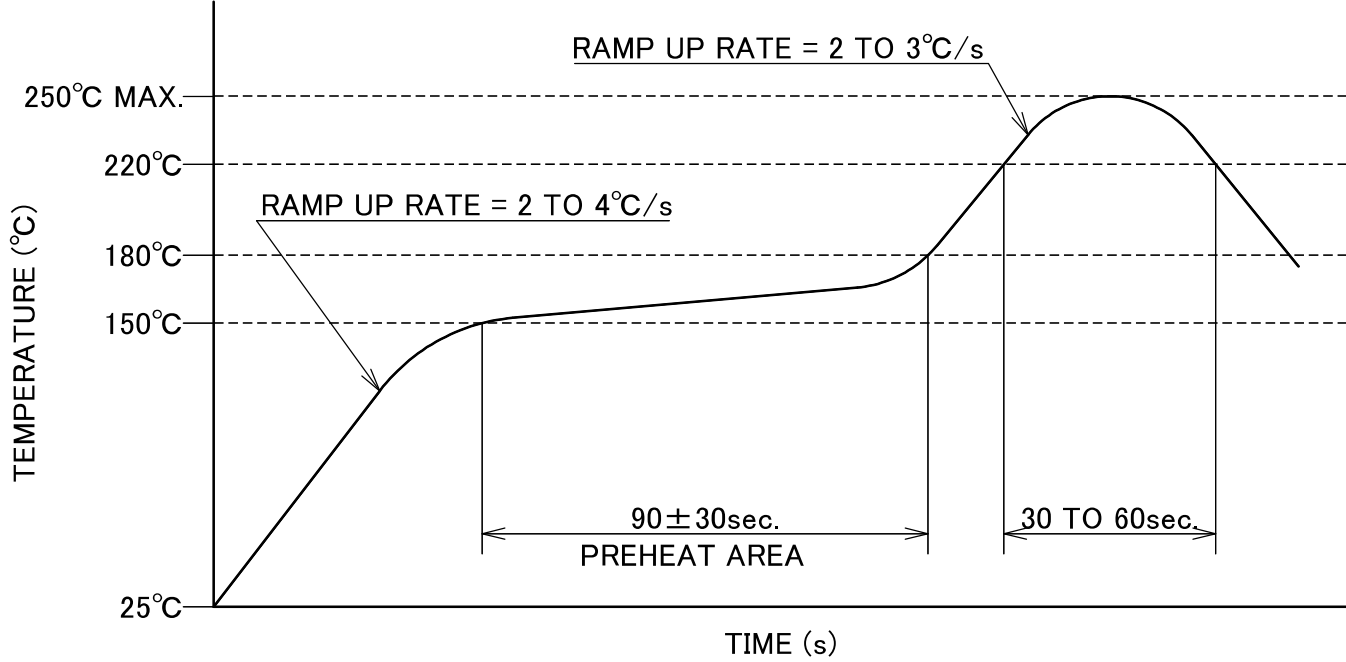
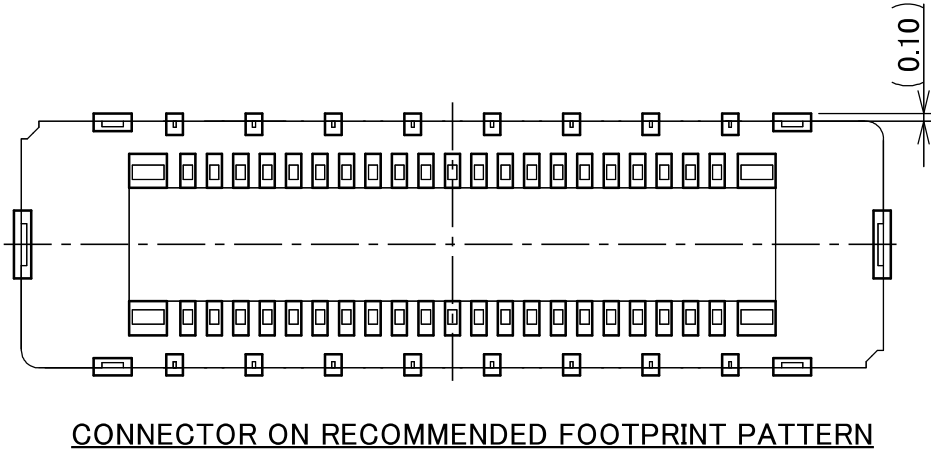


- NOTES.
5. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
 6. WHEN THE THICKNESS OF THE METAL MASK IS 0.12 mm, PLEASE SET IT TO 0.41 mm.

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY		SCALE		
DWG.	DATE					10:1		
CHK.						UNIT		
						mm		
APP.				DWG. No. 20698		SIZE A3	SHEET 6/9	REV. 14

PART No.	SIGNAL POS.	POWER POS.	E
20698-016E-01	16P	4P	7.99
20698-028E-01	28P	4P	10.09
20698-034E-01	34P	4P	11.14
20698-042E-01	42P	4P	12.54
20698-056E-01	56P	4P	14.99
20698-062E-01	62P	4P	16.04





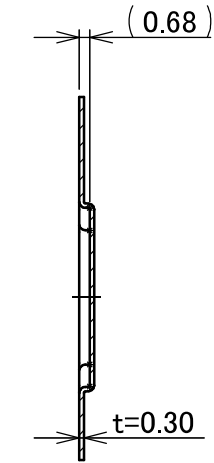
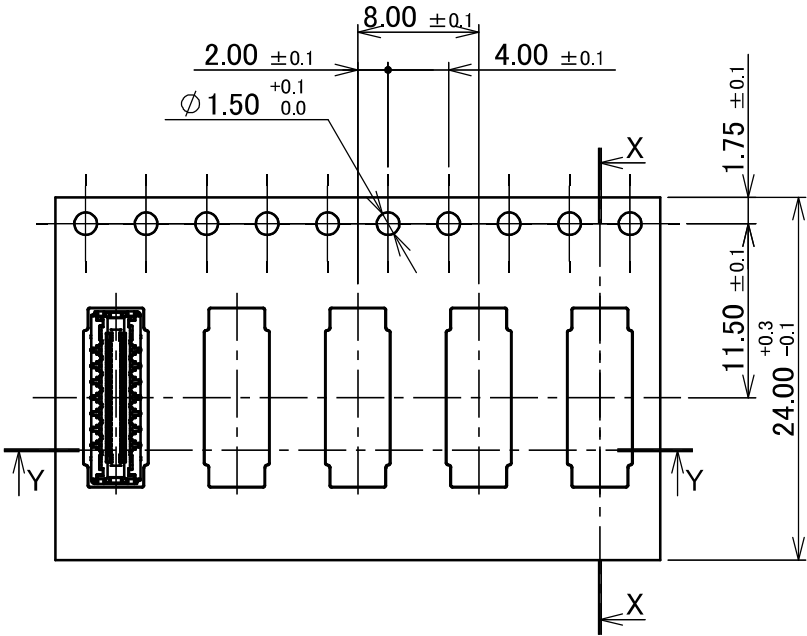
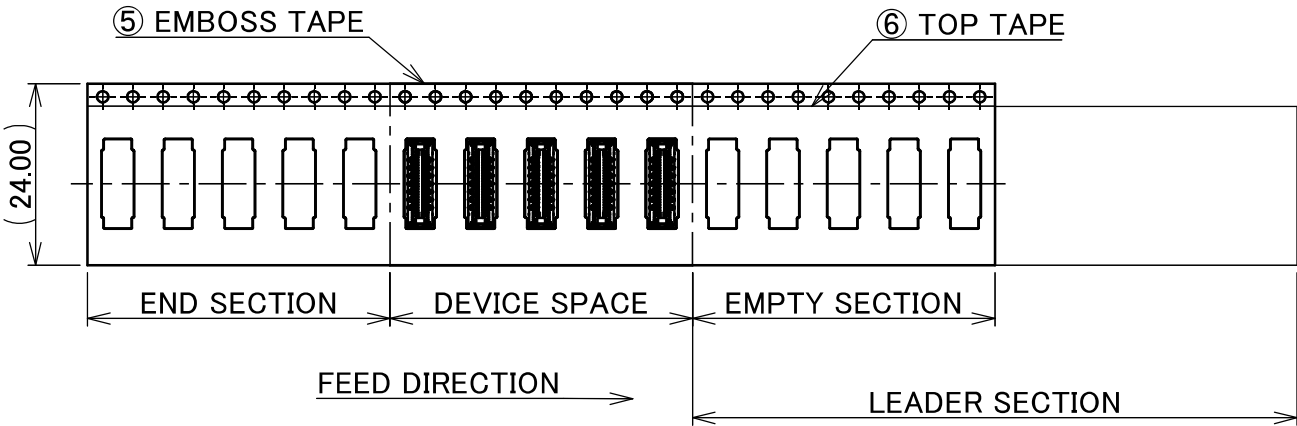
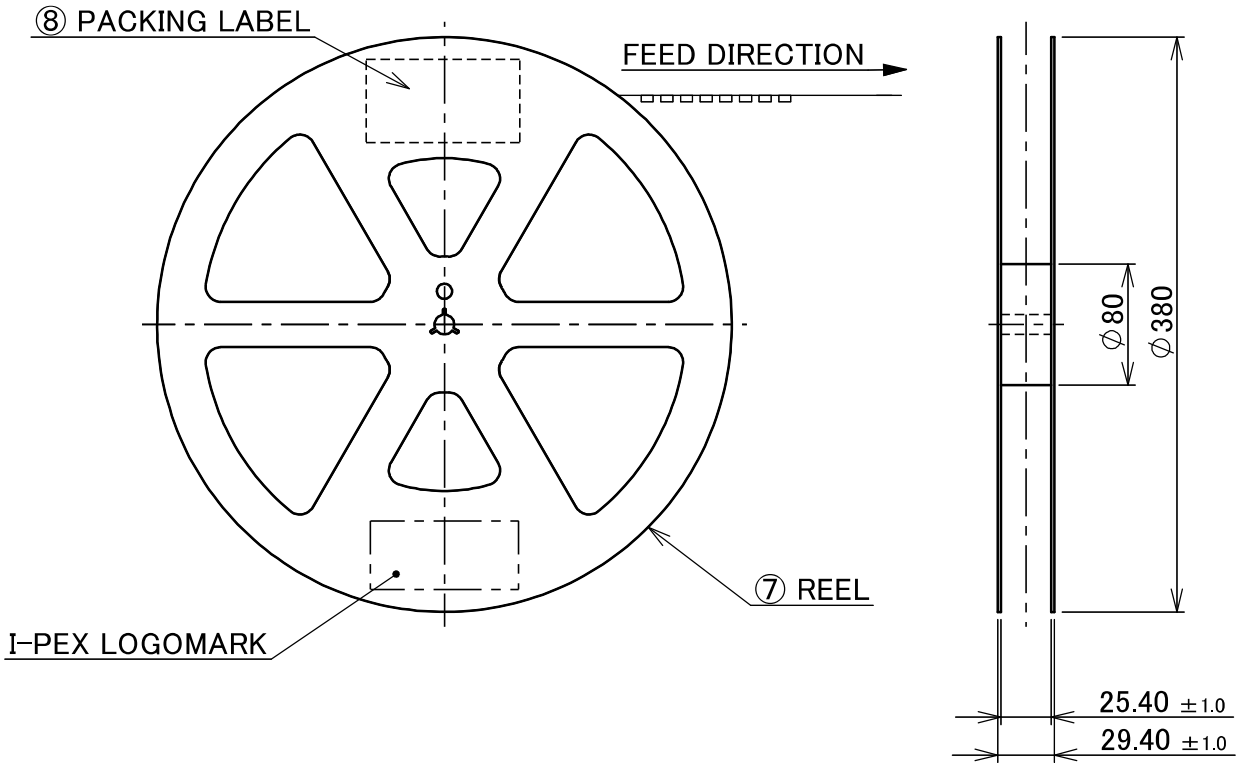
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20698		SIZE A3	SHEET 8/9	REV. 14

PART NO.	Pos.	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON
20698-0**E-01	16P	10,000 / REEL	10,000 × 5 REELS = 50,000
	28P		
	34P		
	42P		
	56P		
	62P		

20698-0**E-01

Pos.



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

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

- NOTES.
10. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
 11. EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE FOLLOW JIS C 0806 (IEC 60286-3).
 12. TOP TAPE SHALL NOT STICK OUT FROM EMBOSS TAPE.
 13. TOP TAPE SHALL NOT COVER FEED HOLE.

8	PACKING LABEL	-	-
7	REEL	PS	ANTI-STATIC TYPE BLACK
6	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC TYPE
5	EMBOSS TAPE	PS TRANSPARENCY	ANTI-STATIC TYPE
No.	DESCRIPTION	MATERIAL	FINISH , REMARKS

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 NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20698	SIZE	SHEET	REV.
						A3	9/9	14