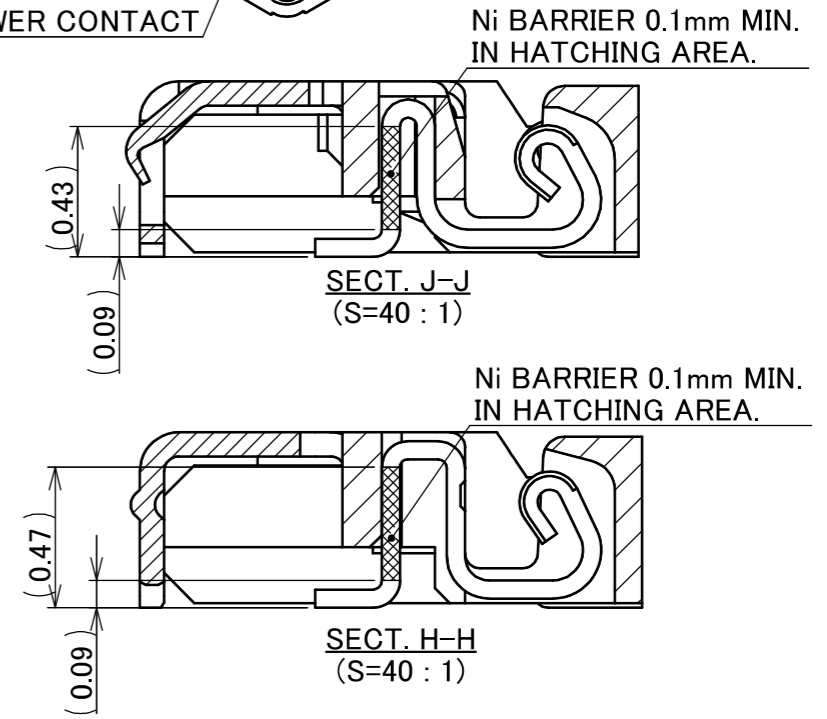
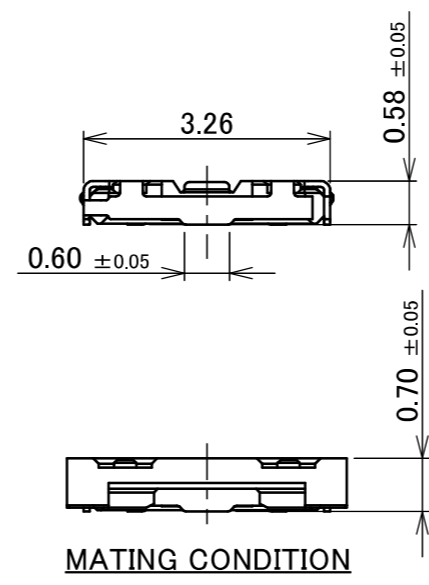
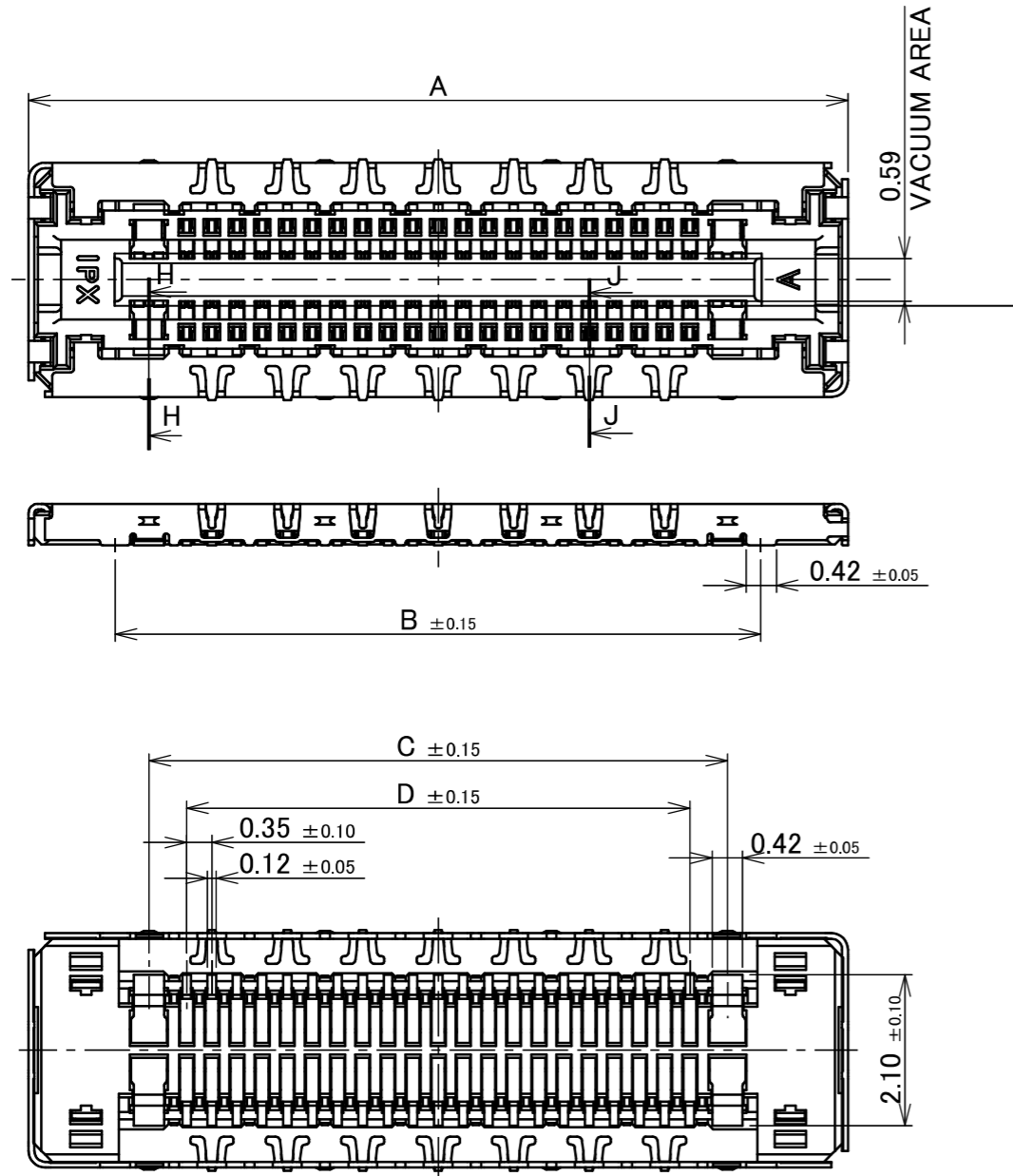
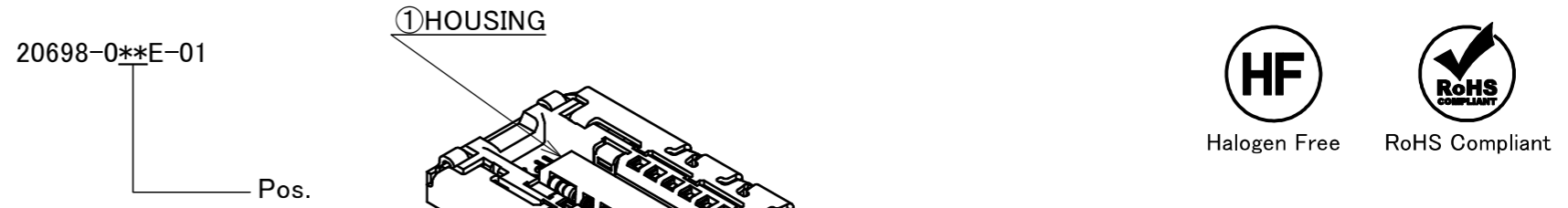


Recommended P/N 20698-0**E-01

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

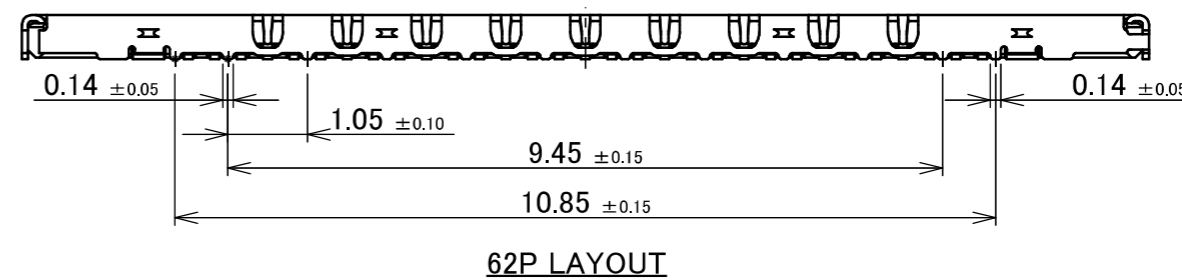
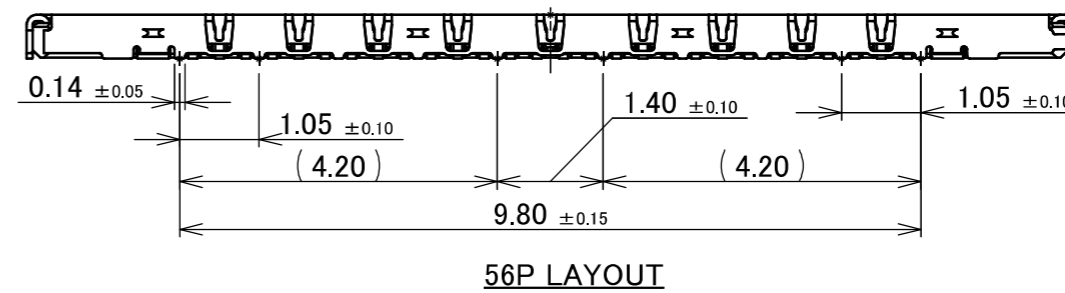
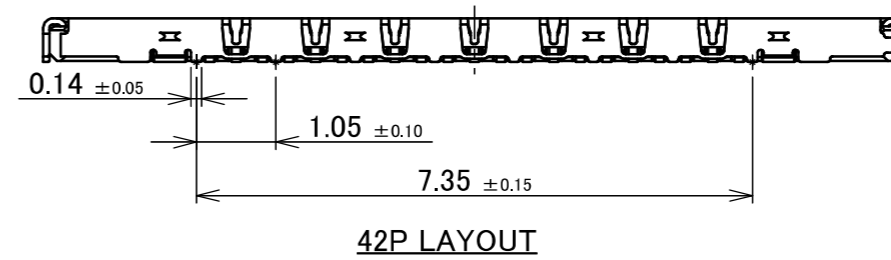
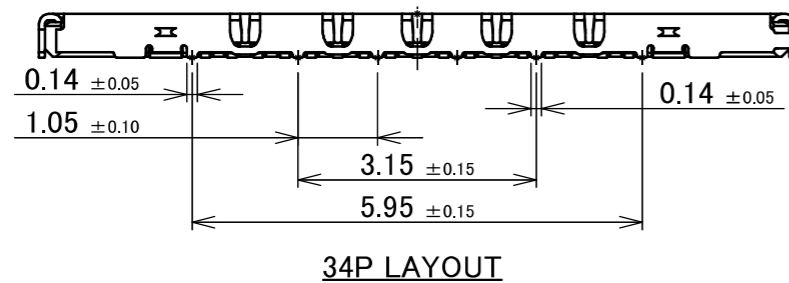
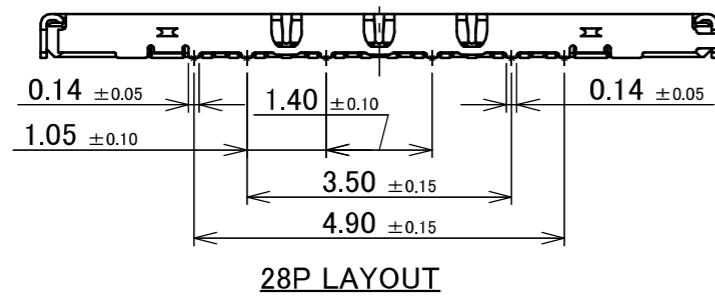
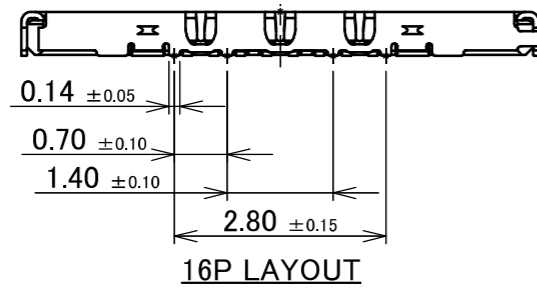


No.	DISCRIPTION	MATERIAL	FINISH , REMARKS
4	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.27 μ m MIN. Au 0.01 μ m MIN.
3	POWER CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.05 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.10 μ m MIN.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

REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	APP.	CHK.	DATE	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.	
15	ZC00256	C.K	2025/11/12	S.S	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	R2	CUSTOMER COPY						
14	ZC00085	C.K	2025/09/09	S.S	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5									
13	Z250489	TMT	2025/03/26	S.S	GENERAL TOLERANCE.												
12	Z241223	Y.F	2024/09/09	S.S	DWG.	T.Kurachi	DATE	2016/01/13									
11	Z240715	Y.F	2024/06/07	S.S													
10	Z230294	K.W	2023/03/22	M.T													
REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	APP.	CHK.	DATE	DWG. No.	20698	NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	10:1	A3	1/9	15
REVISION RECORD					J.Tateishi												

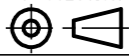

PART No.	SIGNAL POS.	POWER POS.
20698-016E-01	16P	4P
20698-028E-01	28P	4P
20698-034E-01	34P	4P
20698-042E-01	42P	4P
20698-056E-01	56P	4P
20698-062E-01	62P	4P

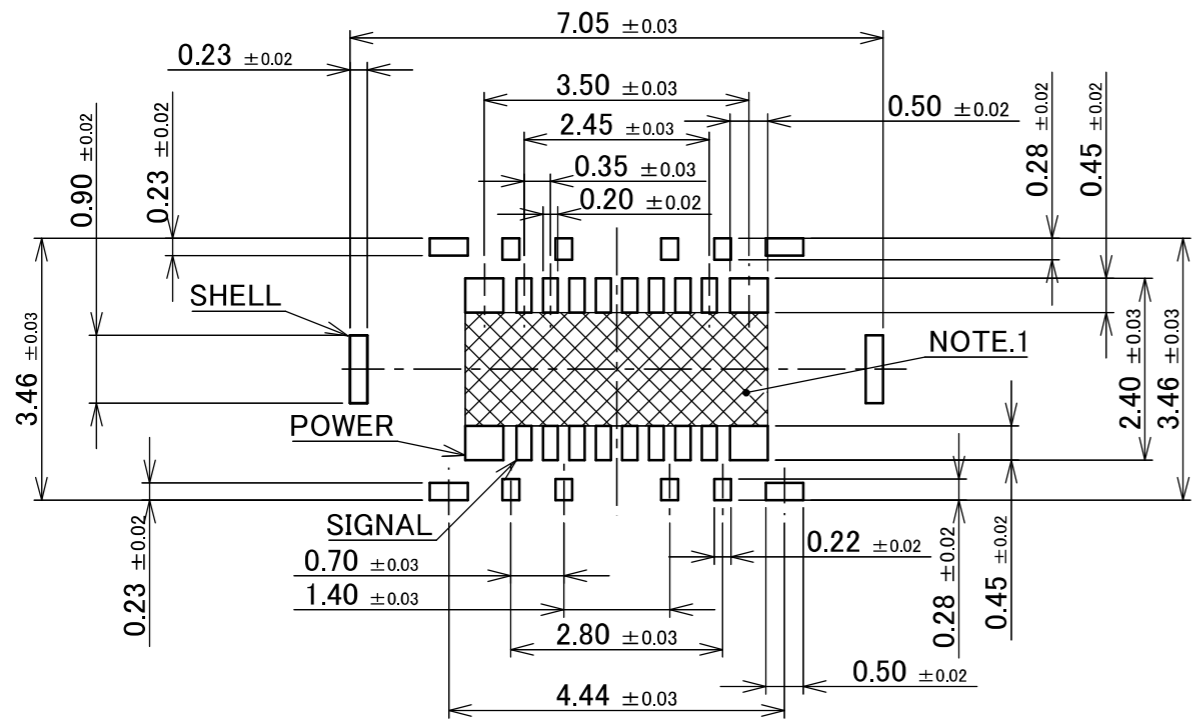
20698-0**E-01
Pos.



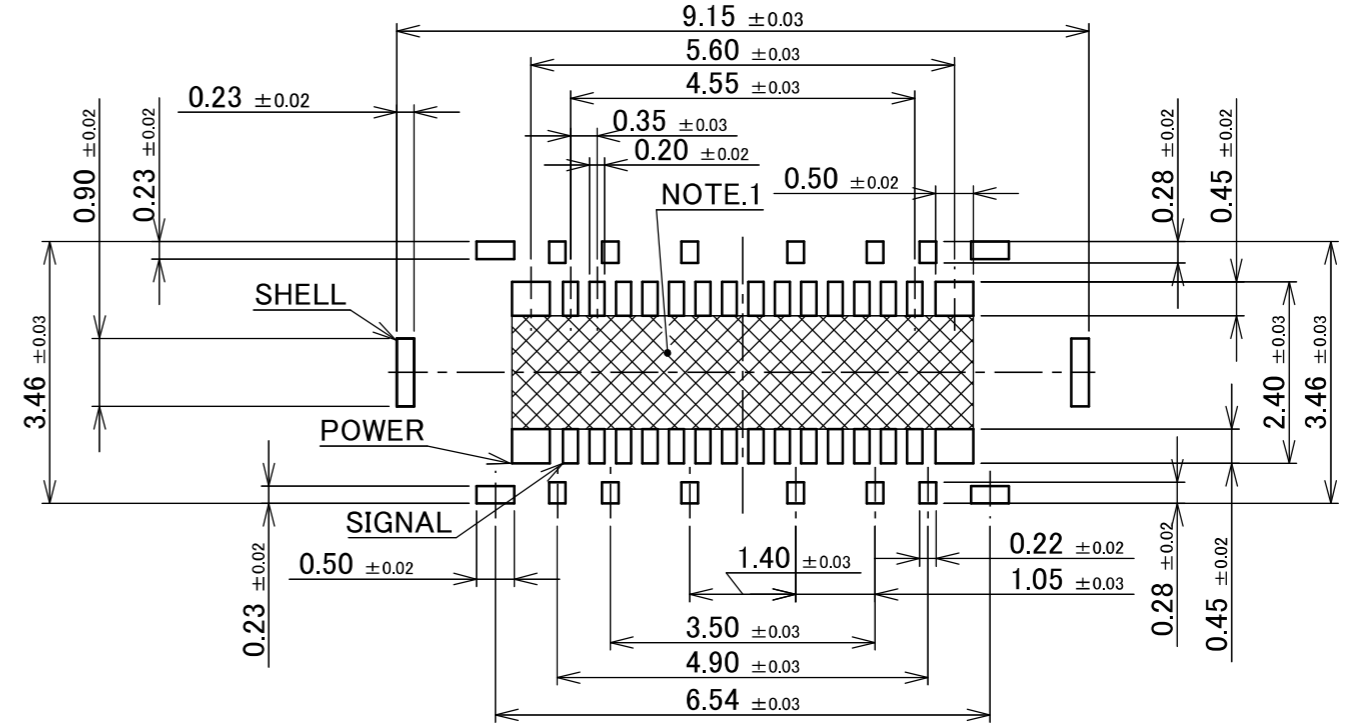
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE 10:1 UNIT mm	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20698	SIZE A3	SHEET 2/9	REV. 15

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***

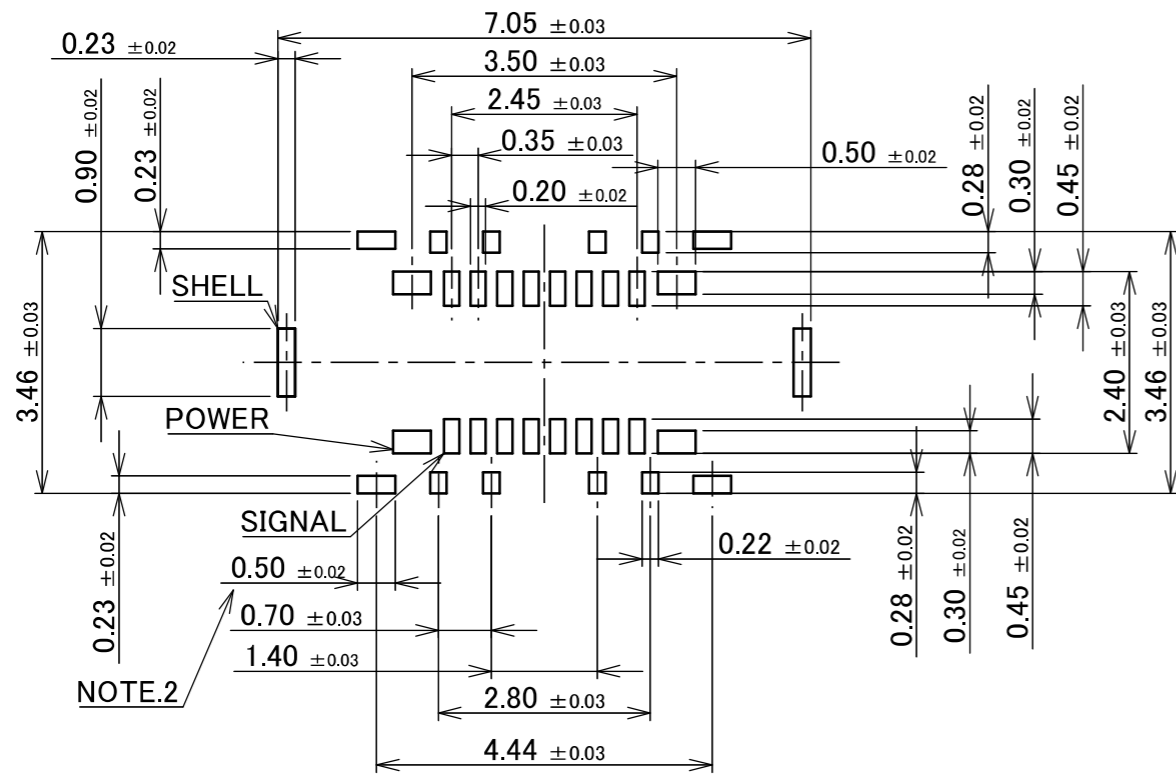
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE 10:1			
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20698	SIZE	SHEET	REV.
						A3	3/9	15



RECOMMENDED PATTREN LAYOUT (16P)

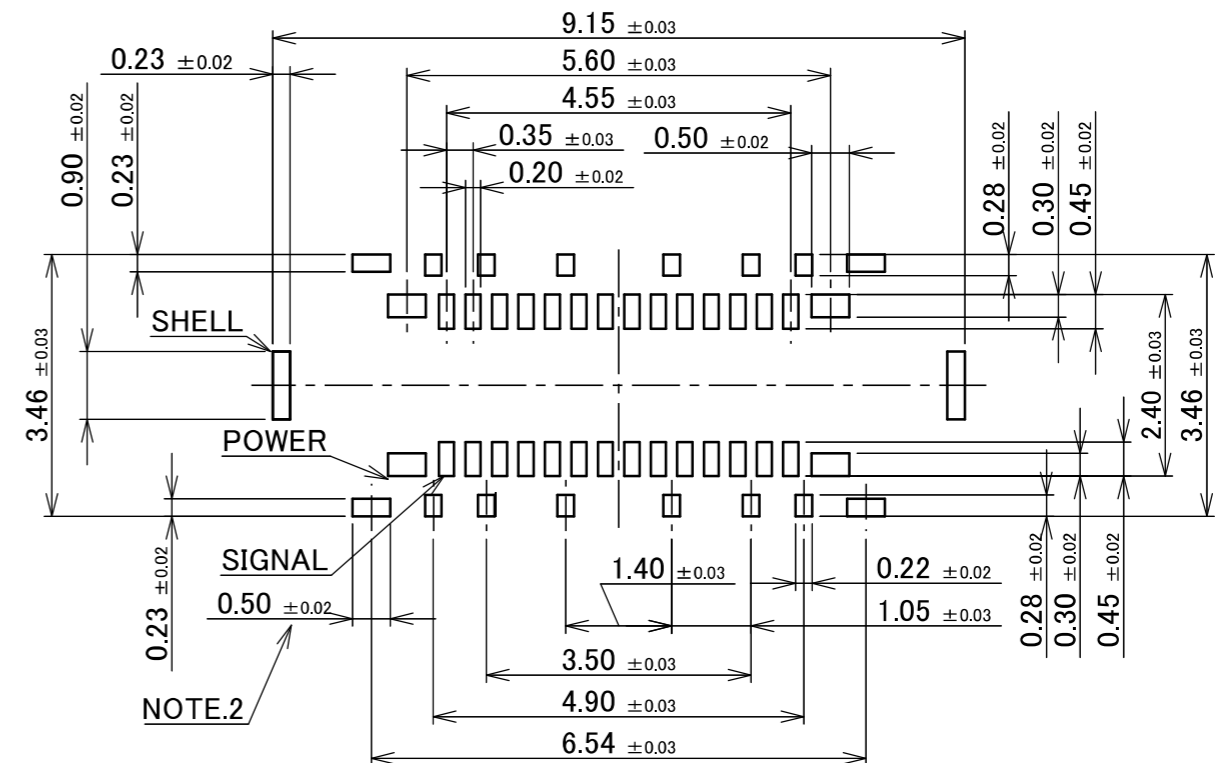


RECOMMENDED PATTERN LAYOUT (28P)



RECOMMENDED METAL MASK LAYOUT (16P)

THICKNESS : t=0.10mm



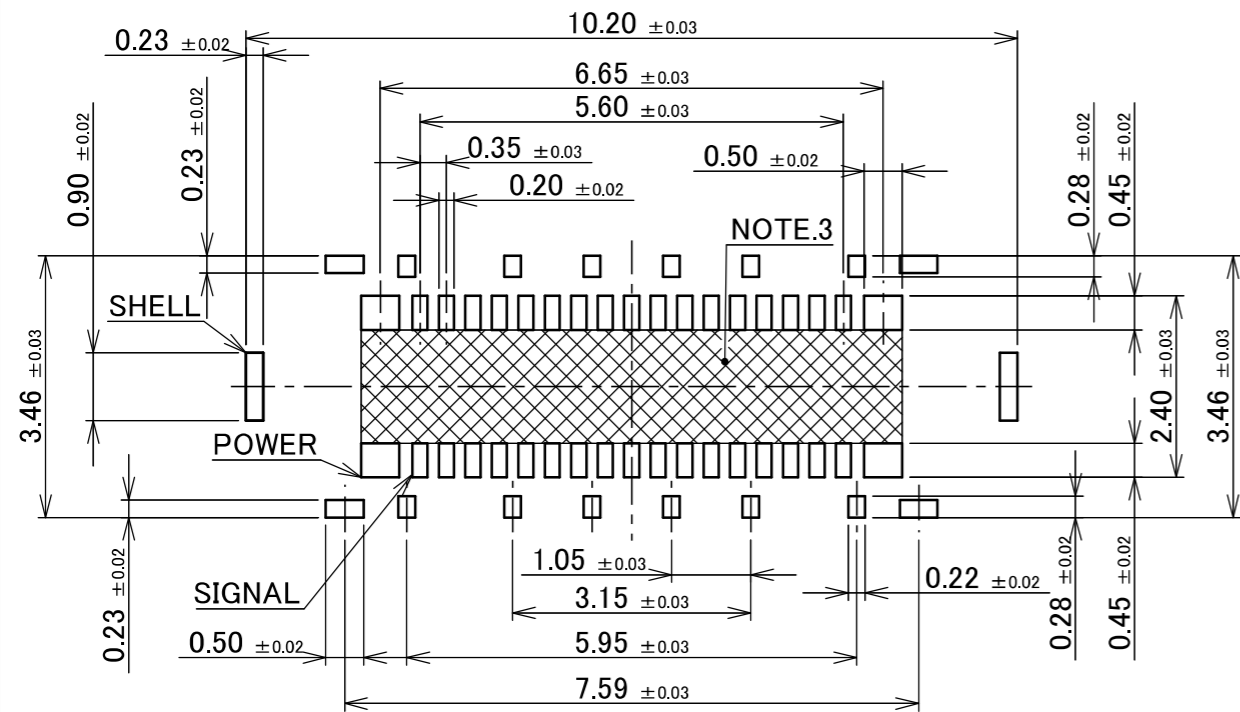
RECOMMENDED METAL MASK LAYOUT (28P)

THICKNESS : t=0.10mm

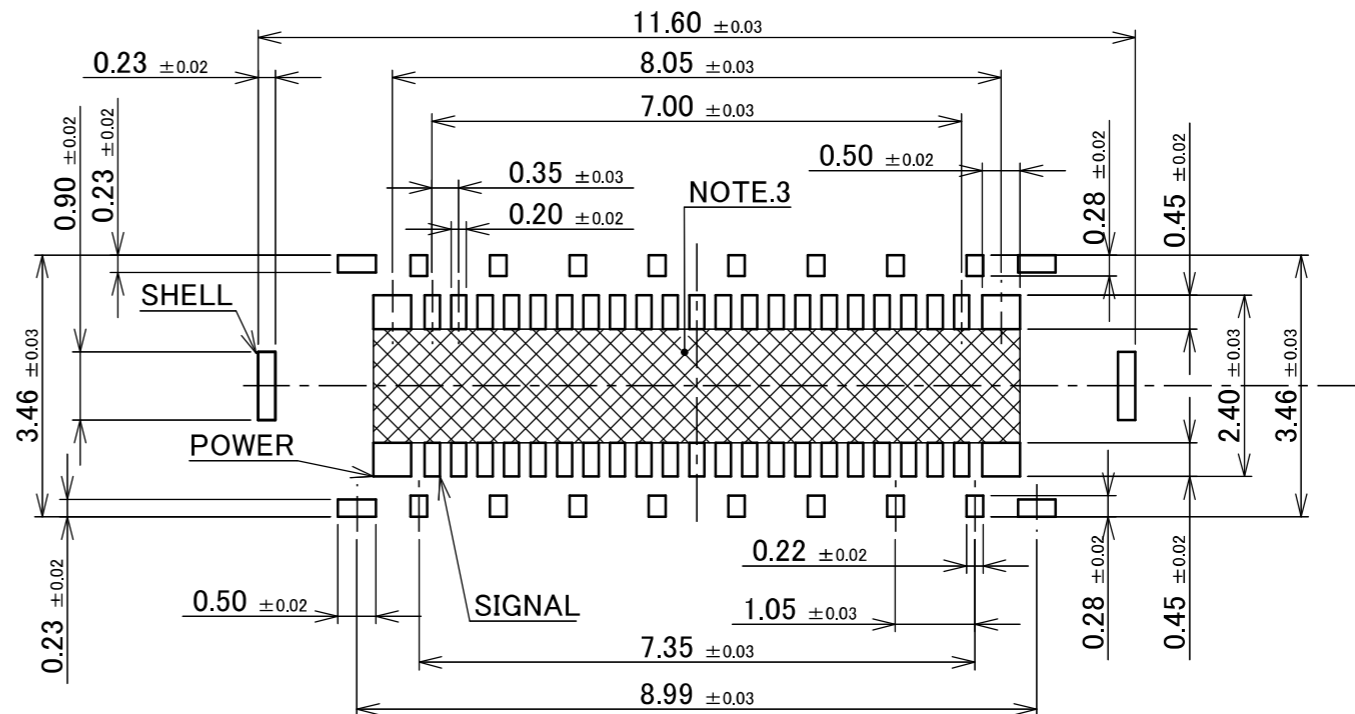
NOTES.

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.

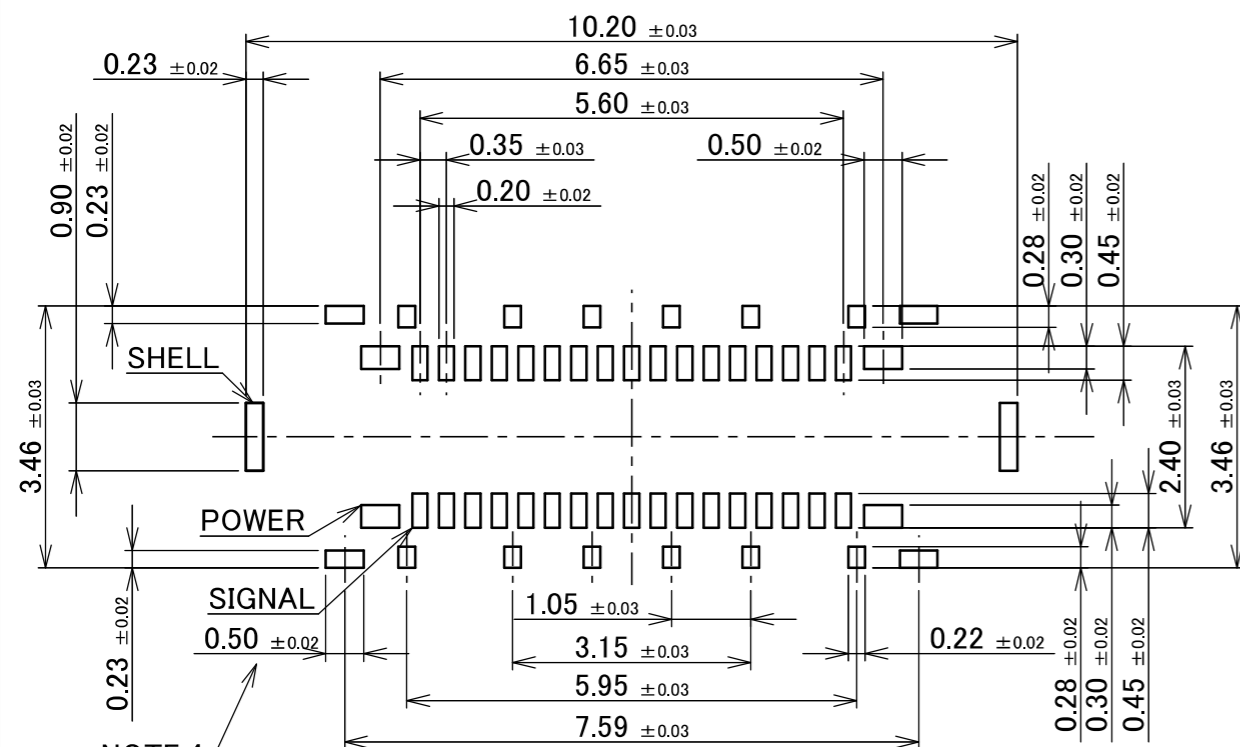
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R2	CUSTOMER COPY		
	6 MAX.	±0.2	30 OVER 120 MAX.					±0.5
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE 10:1	UNIT mm		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20698	SIZE A3	SHEET 4/9	REV. 15



RECOMMENDED PATTERN LAYOUT (34P)

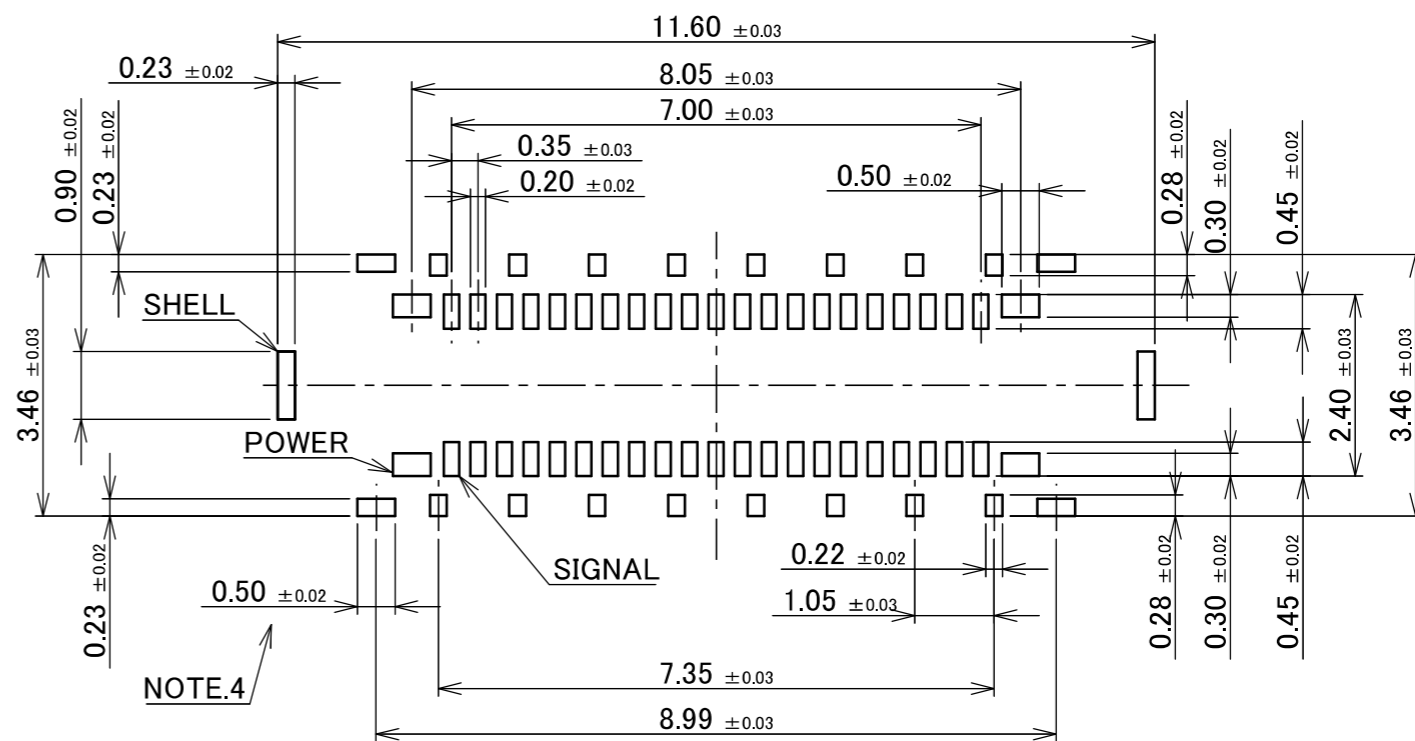


RECOMMENDED PATTERN LAYOUT (42P)



RECOMMENDED METAL MASK LAYOUT (34P)

THICKNESS : t=0.10mm

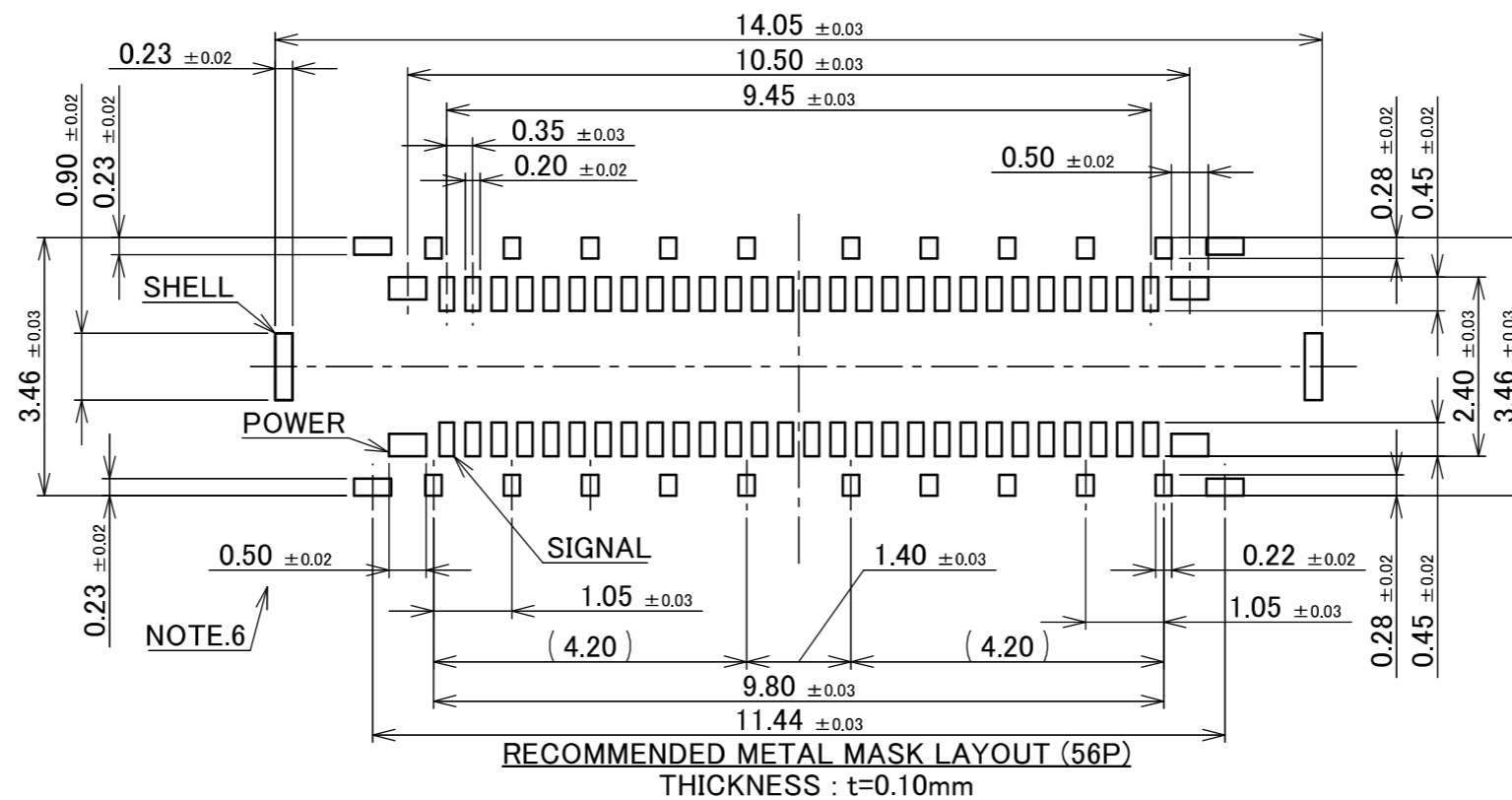
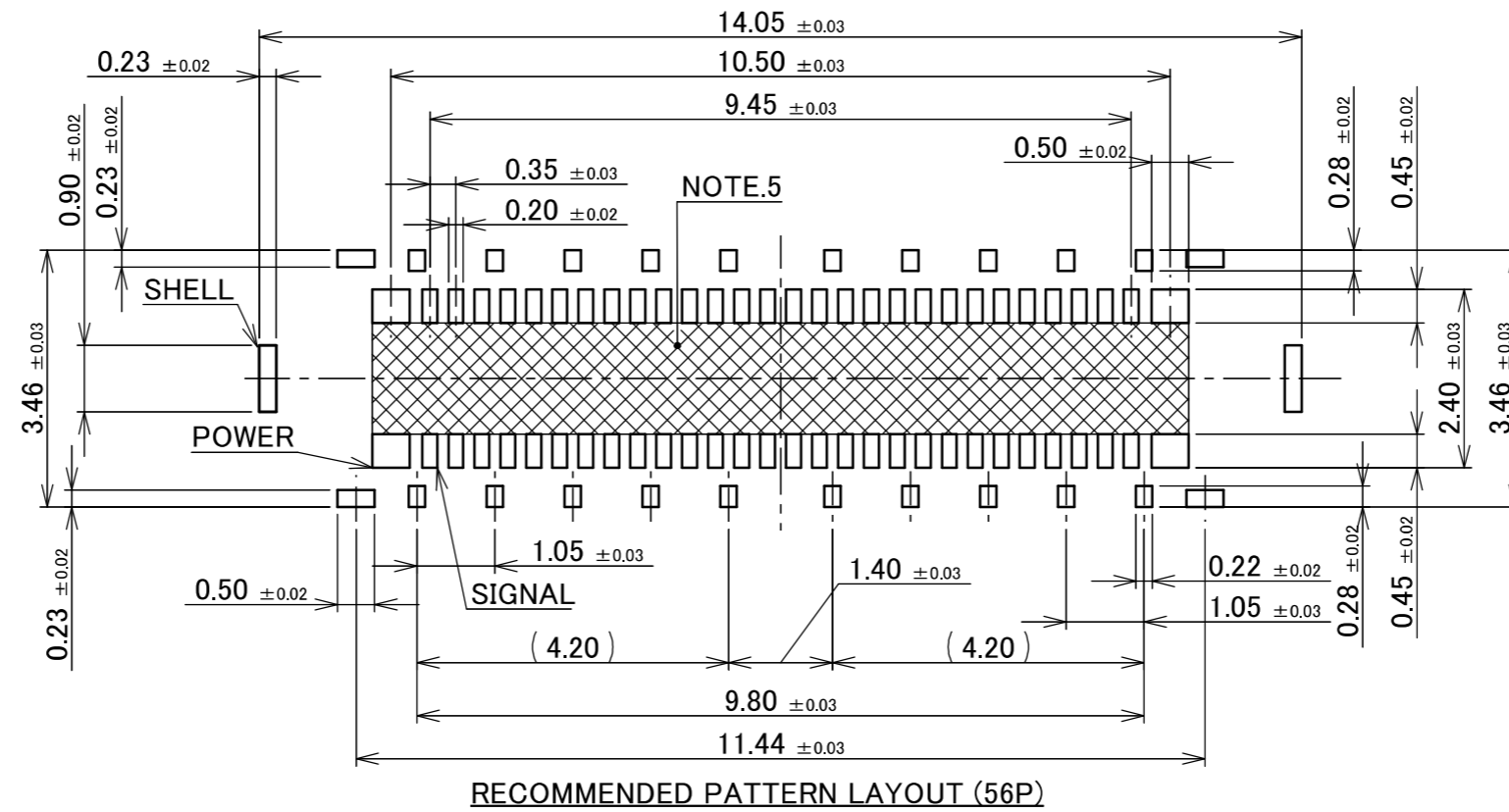


RECOMMENDED METAL MASK LAYOUT (42P)

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.

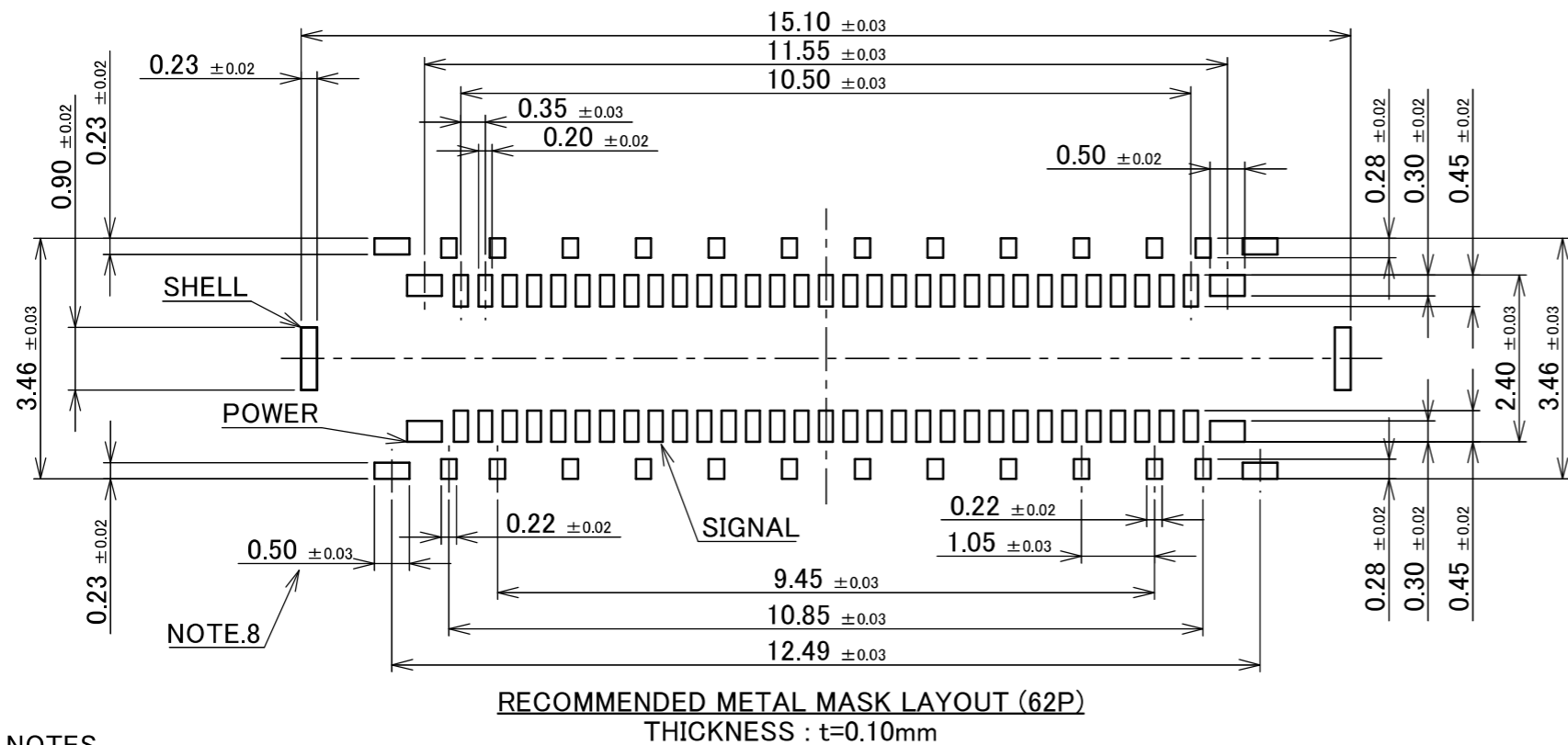
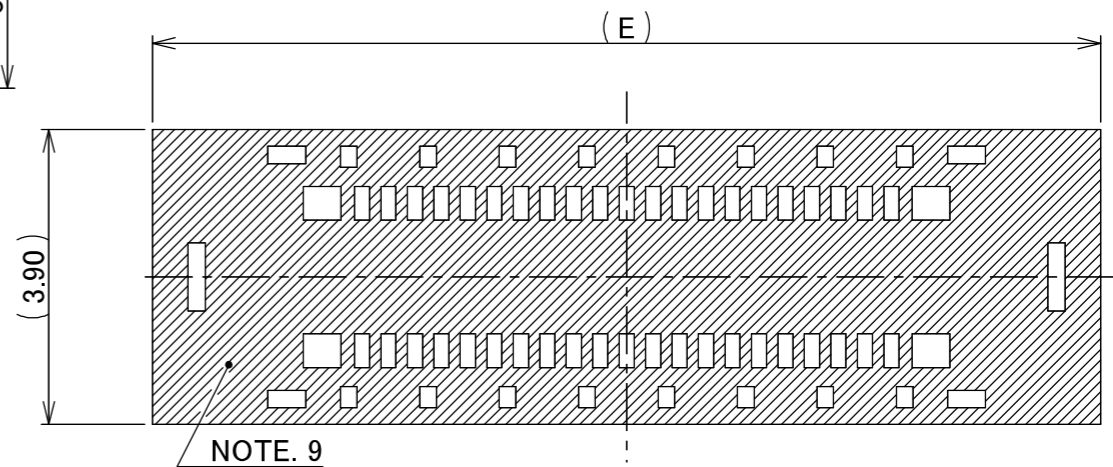
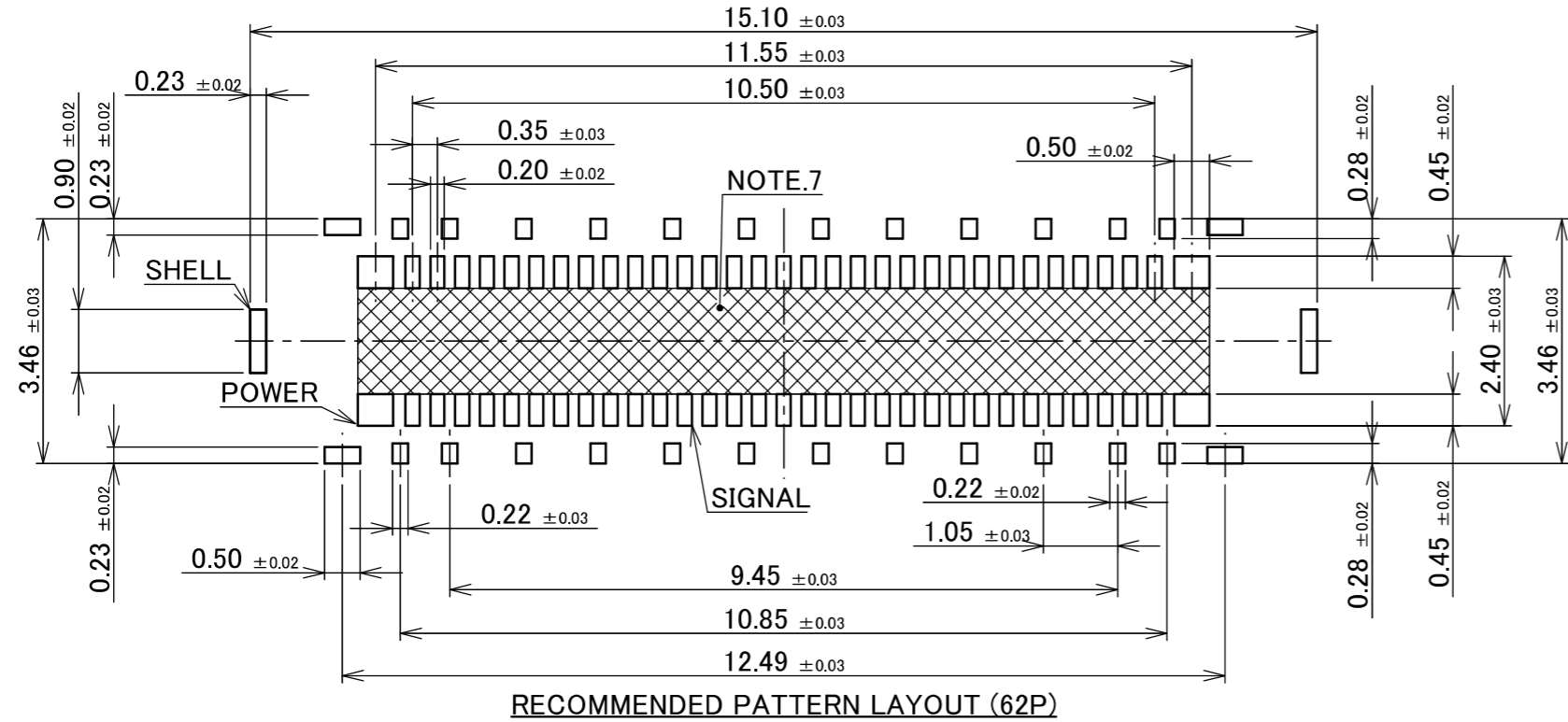
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.				TITLE		SCALE			
DWG.	DATE			NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY		10:1			
CHK.						UNIT			
APP.						mm			
				DWG. No.	20698	SIZE	SHEET	REV.	
						A3	5/9	15	



- 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.

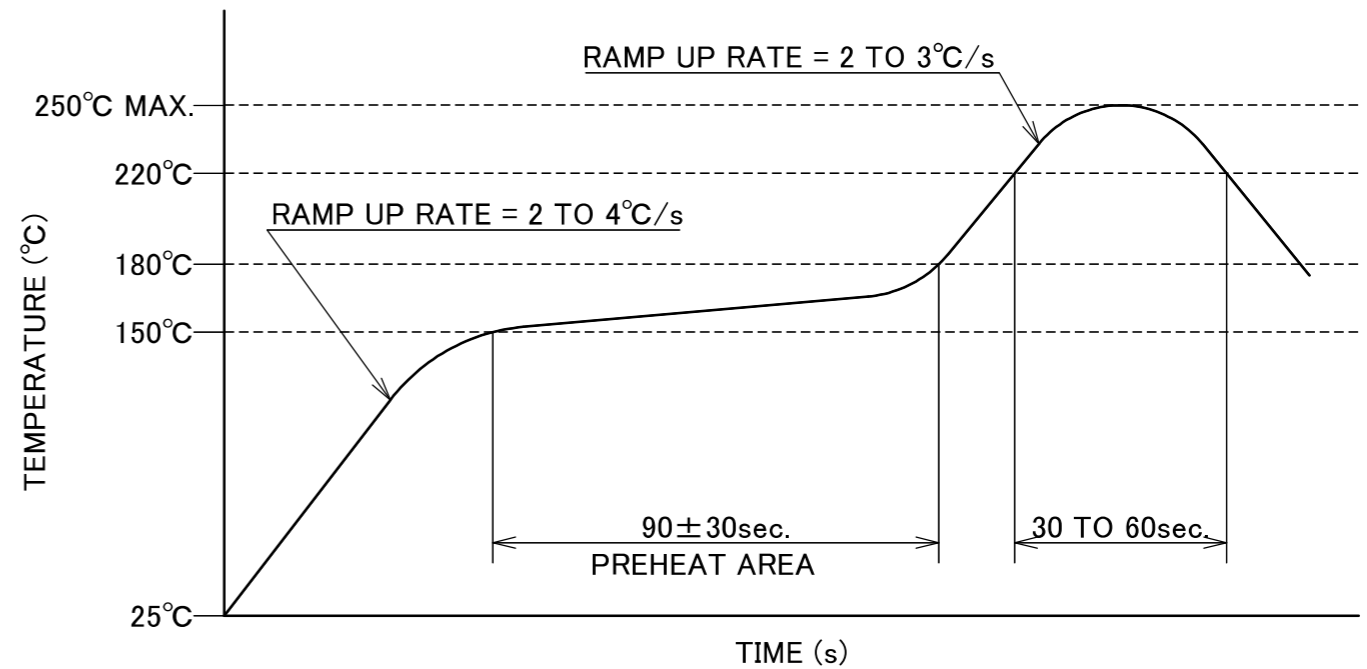
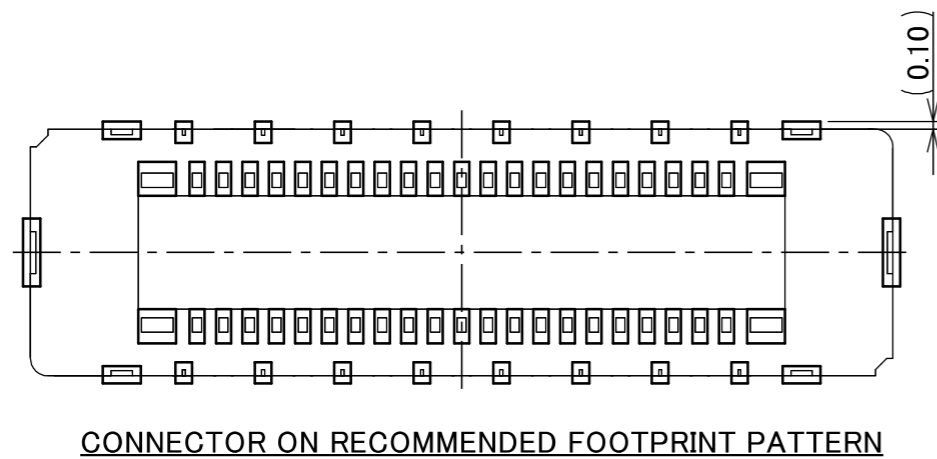
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE 10:1	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20698	SIZE A3	SHEET 6/9	REV. 15

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



- NOTES.
- SOLDER RESIST MUST BE APPLIED TO THIS AREA.
 - WHEN THE THICKNESS OF THE METAL MASK IS 0.12 mm, PLEASE SET IT TO 0.41 mm.
 - 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 NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE 10:1	UNIT mm		I-PEX
DWG.	DATE							
CHK.								
APP.								
DWG. No.				20698	SIZE A3	SHEET 7/9	REV. 15	

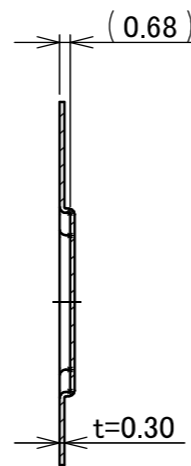
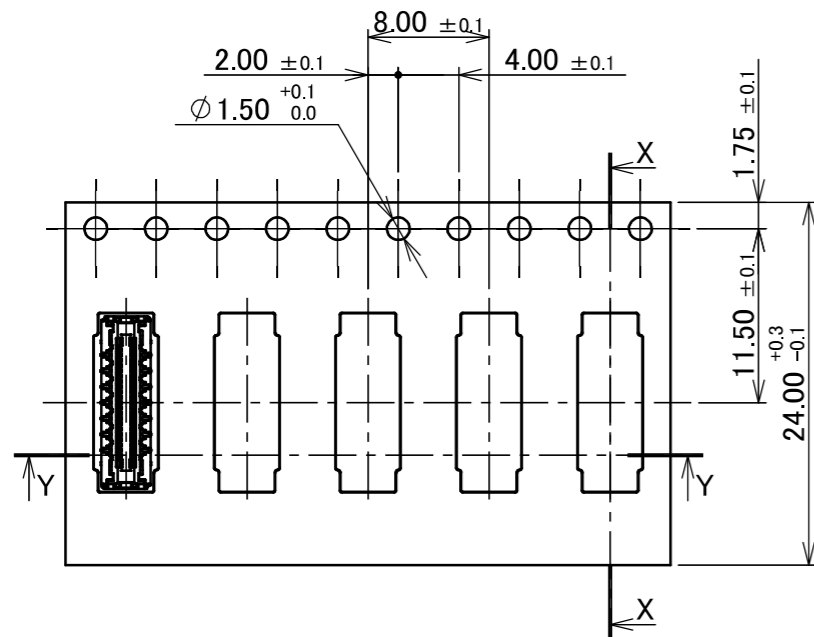
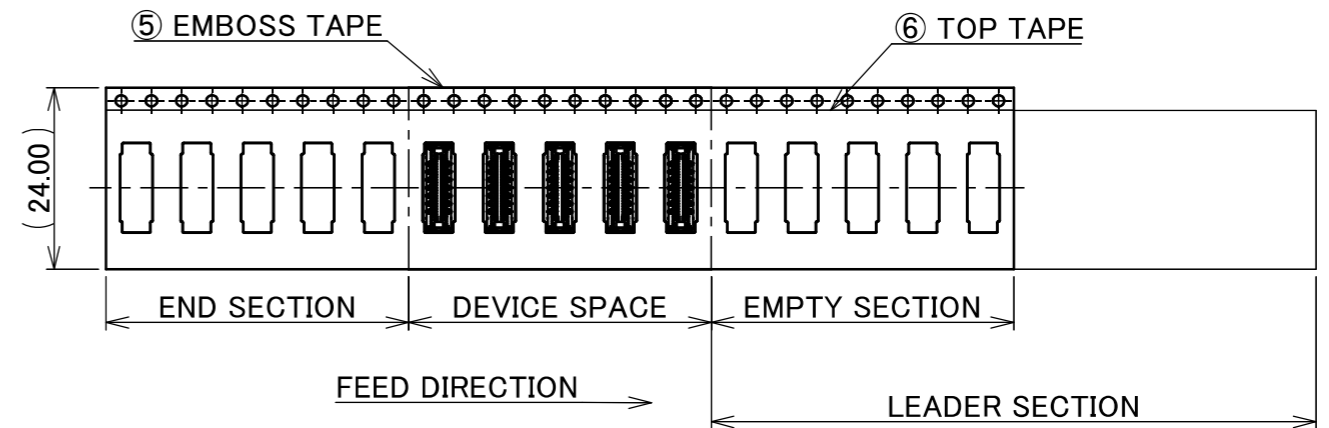
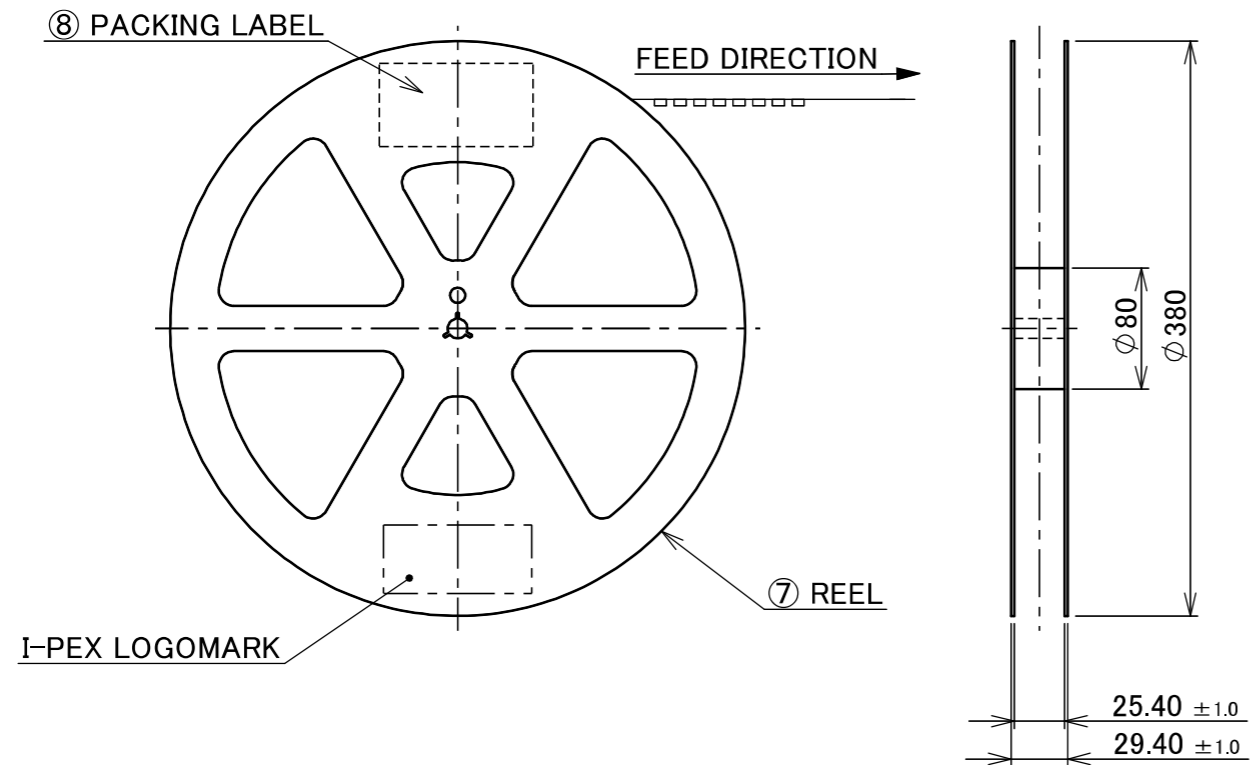


REFLOW TEMPERATURE PROFILE
 SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

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 NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	SCALE 10:1	UNIT I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20698	SIZE	SHEET	REV.
						A3	8/9	15

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.

- TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
- EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE FOLLOW JIS C 0806 (IEC 60286-3).
- 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 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		R2			
GENERAL TOLERANCE.				TITLE	SCALE	I-PEX		
DWG.	DATE			NOVASTACK® 35-HDP RECEPTACLE ASSEMBLY	5:1			
CHK.					UNIT			
APP.					mm			
				DWG. No.	20698	SIZE	SHEET	REV.
						A3	9/9	15