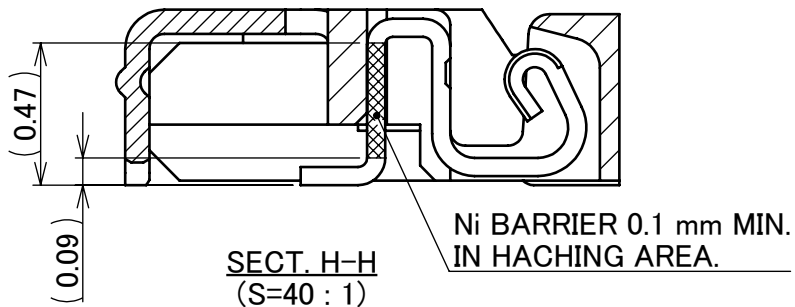
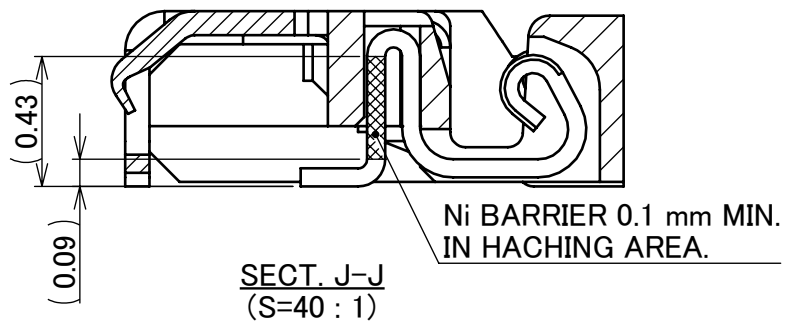
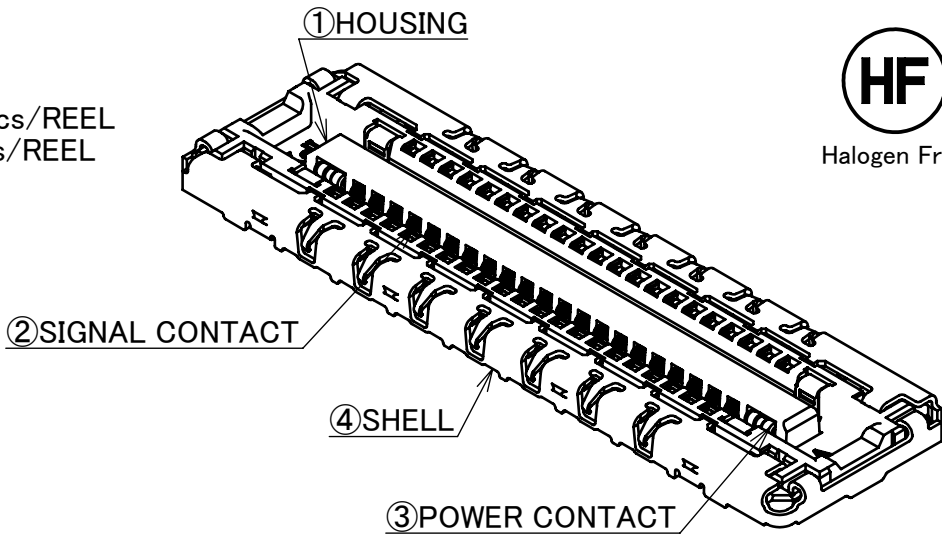
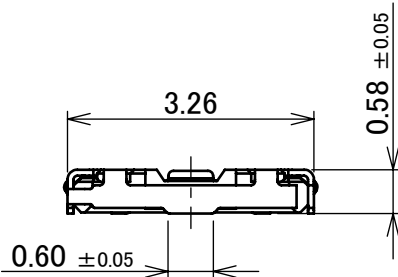
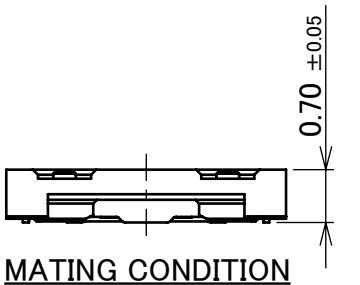
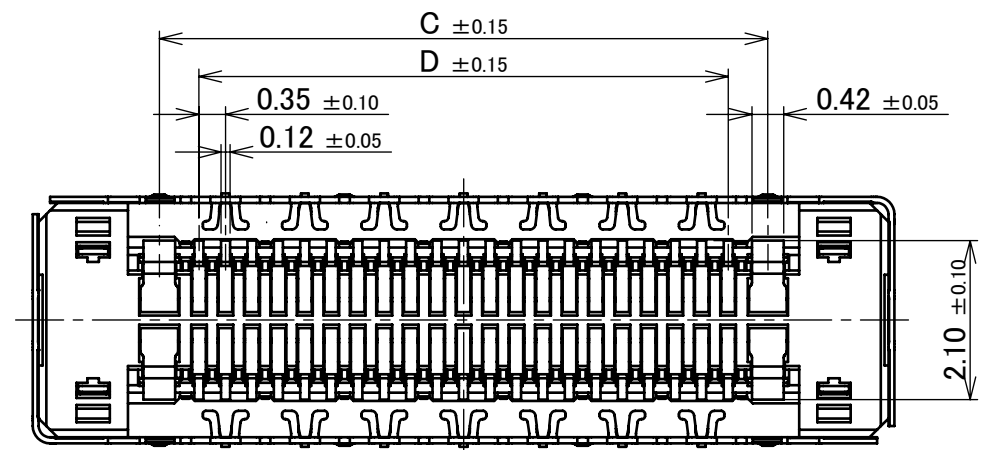
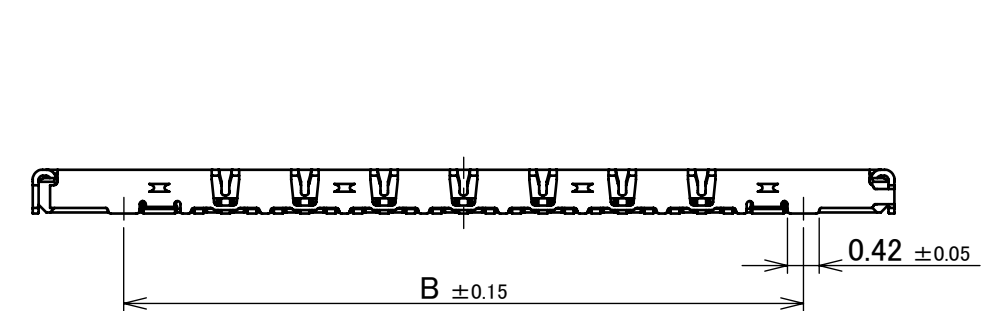
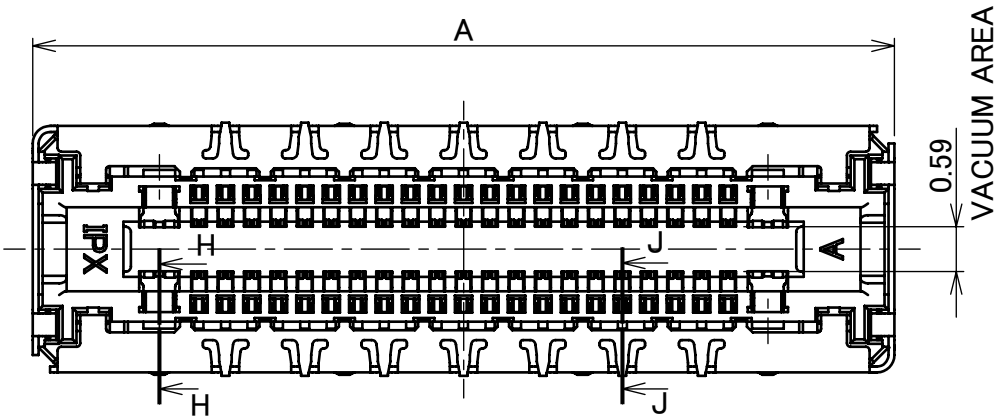


| PART No.       | SIGNAL POS. | POWER POS. | A     | B     | C     | D     |
|----------------|-------------|------------|-------|-------|-------|-------|
| 20698-028E-01  | 28P         | 4P         | 8.95  | 6.54  | 5.60  | 4.55  |
| 20698-034E-01  | 34P         | 4P         | 10.00 | 7.59  | 6.65  | 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 |

20698-0\*\*E-01M  
WITHOUT : 10,000 pcs/REEL  
WITH : 5,000 pcs/REEL  
Pos.



|     |                |                 |                                                                                                           |
|-----|----------------|-----------------|-----------------------------------------------------------------------------------------------------------|
| 4   | SHELL          | PHOSPHOR BRONZE | ALL OVER Ni 1.27 $\mu$ m MIN.<br>Au 0.01 $\mu$ m MIN.                                                     |
| 3   | POWER CONTACT  | CORSON ALLOY    | ALL OVER Ni 1.27 $\mu$ m MIN.<br>CONTACT PART Au 0.05 $\mu$ m MIN.<br>SOLDERING PART Au 0.02 $\mu$ m MIN. |
| 2   | SIGNAL CONTACT | CORSON ALLOY    | ALL OVER Ni 1.27 $\mu$ m MIN.<br>CONTACT PART Au 0.10 $\mu$ m MIN.<br>SOLDERING PART Au 0.02 $\mu$ m MIN. |
| 1   | HOUSING        | LCP             | UL94V-0, BLACK                                                                                            |
| NO. | DISCRIPTION    | MATERIAL        | FINISH , REMARKS                                                                                          |

|                 |         |     |            |      |                    |      |                  |      |                                                                                       |            |                                                                                       |       |      |
|-----------------|---------|-----|------------|------|--------------------|------|------------------|------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|-------|------|
| 10              | Z230294 | K.W | 2023/03/22 | M.T  | ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 |  | SERIES No. | CUSTOMER COPY                                                                         |       |      |
| 9               | Z220191 | Y.I | 2022/03/04 | Y.H  | 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                       | R2         |                                                                                       |       |      |
| 8               | Z211370 | M.H | 2021/11/09 | Y.H  | GENERAL TOLERANCE. |      |                  |      | TITLE<br>NOVASTACK® 35-HDP<br>RECEPTACLE ASSEMBLY                                     | SCALE      |  |       |      |
| 7               | Z200541 | Y.B | 2020/05/26 | T.Y  | DWG.               | DATE |                  | 10:1 |                                                                                       |            |                                                                                       |       |      |
| 6               | Z180895 | R.H | 2018/07/09 | TAK  | T.Kurachi          |      | 2016/01/13       | UNIT |                                                                                       |            |                                                                                       |       |      |
| 5               | Z180170 | T.K | 2018/02/09 | Y.S  | CHK.               |      |                  | mm   |                                                                                       |            |                                                                                       |       |      |
| REV.            | ECN     | BY  | DATE       | APP. | APP.               |      |                  |      | DWG. No.                                                                              | 20698      | SIZE                                                                                  | SHEET | REV. |
| REVISION RECORD |         |     |            |      | J.Tateishi         |      |                  |      |                                                                                       |            | A3                                                                                    | 1/8   | 10   |

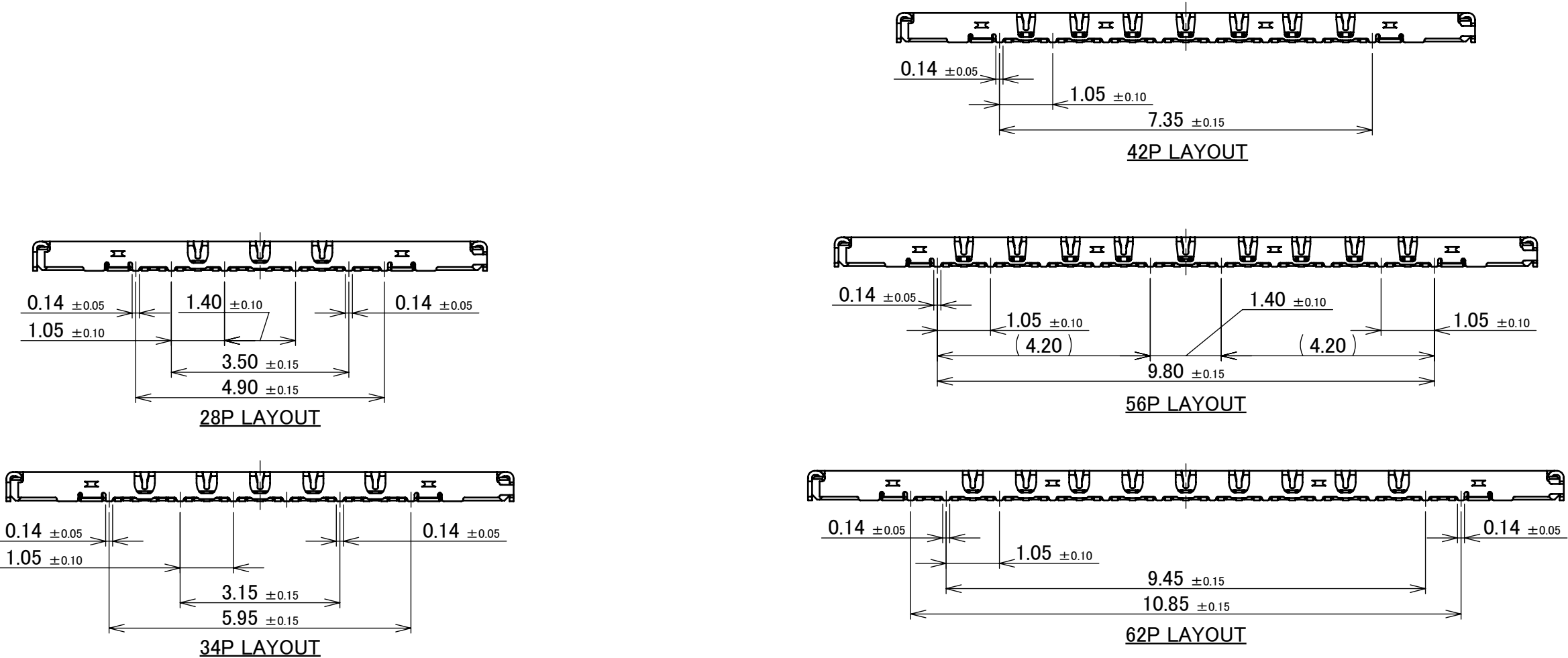
| PART No.       | SIGNAL POS. | POWER POS. |
|----------------|-------------|------------|
| 20698-028E-01  | 28P         | 4P         |
| 20698-034E-01  | 34P         | 4P         |
| 20698-042E-01# | 42P         | 4P         |
| 20698-056E-01# | 56P         | 4P         |
| 20698-062E-01# | 62P  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

20698-0\*\*E-01M

WITHOUT : 10,000 pcs/REEL

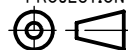
WITH : 5,000 pcs/REEL

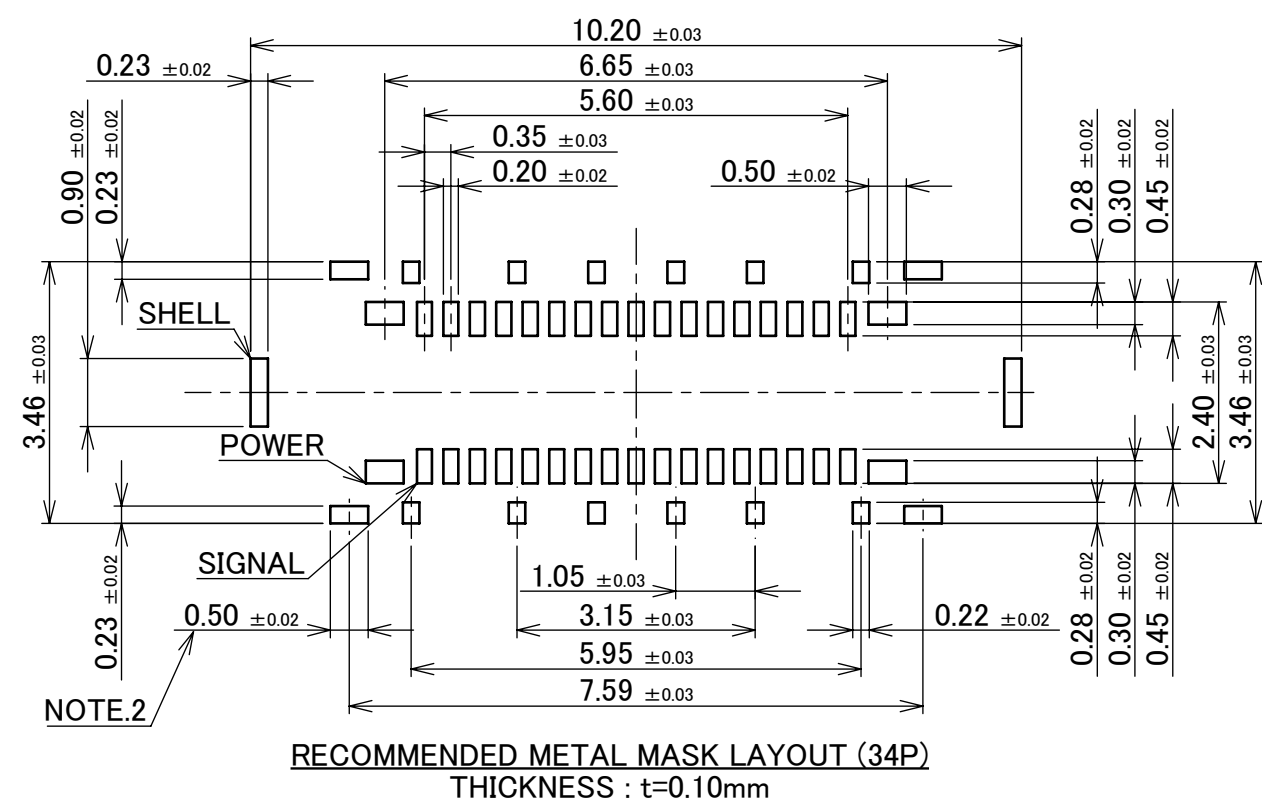
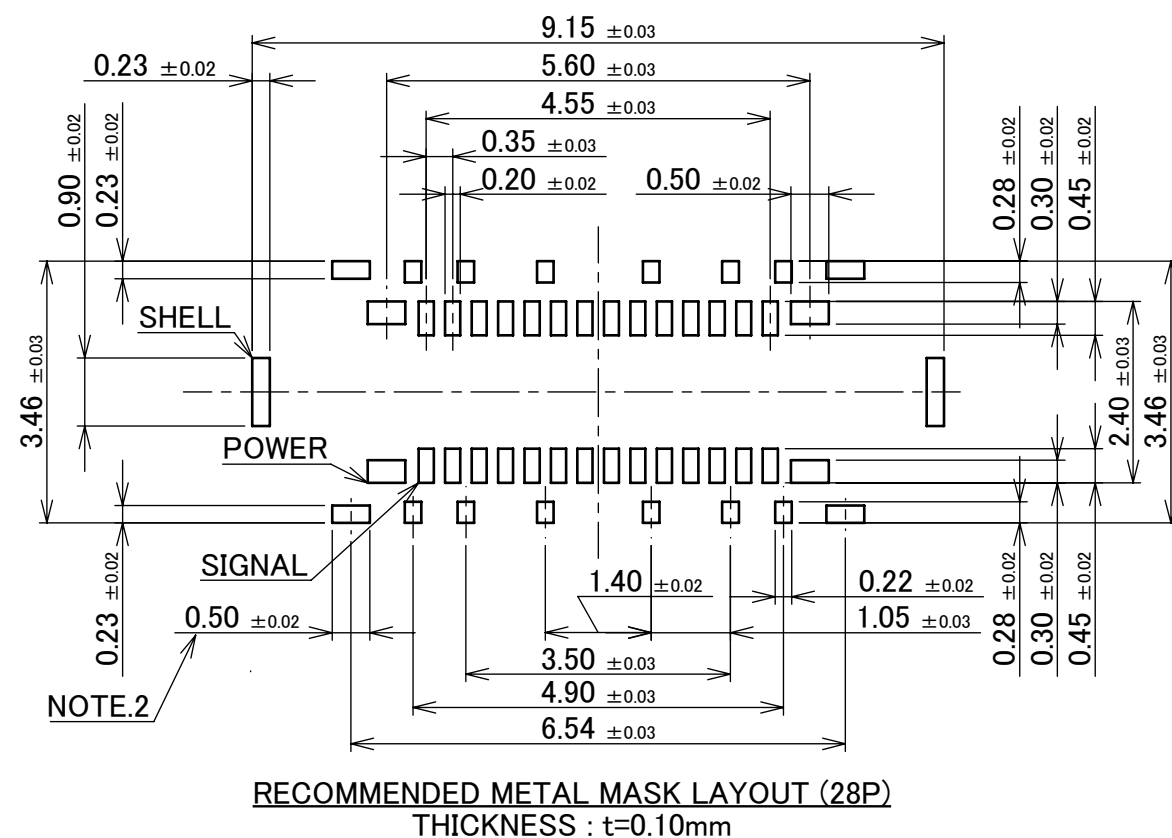
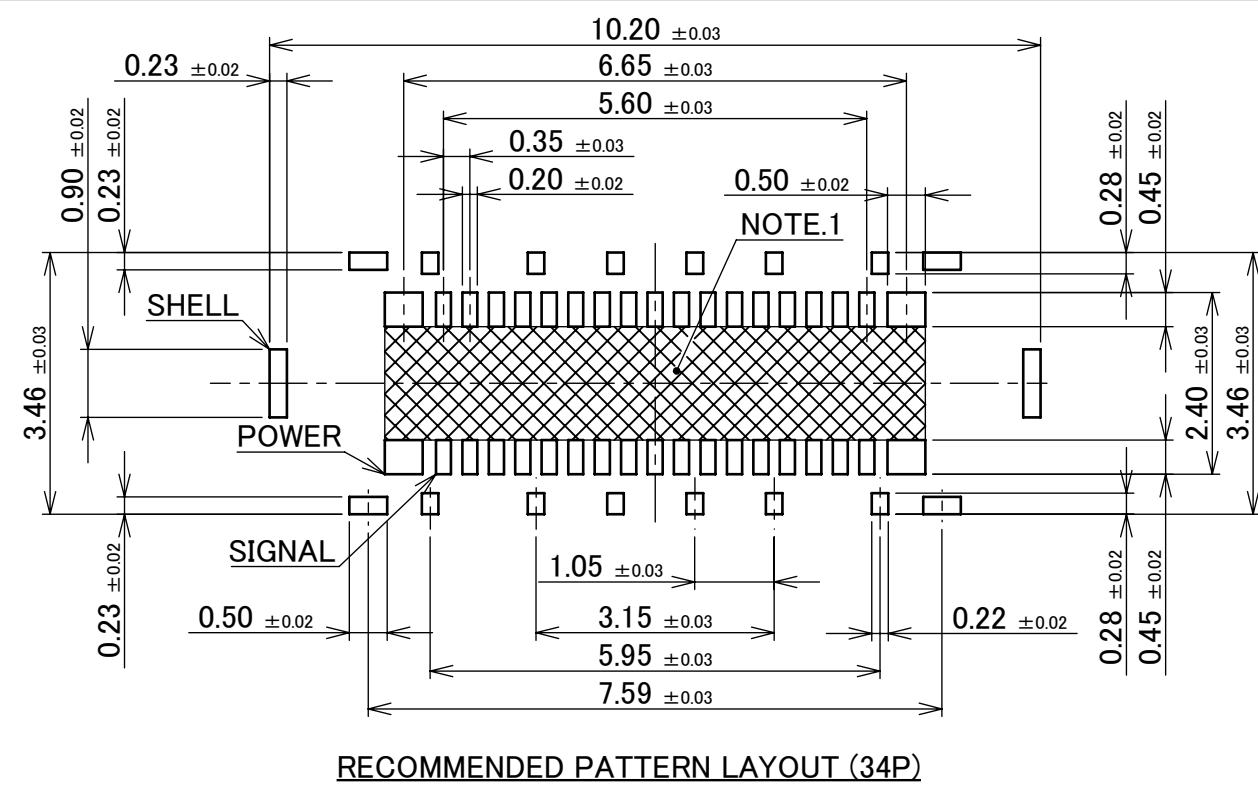
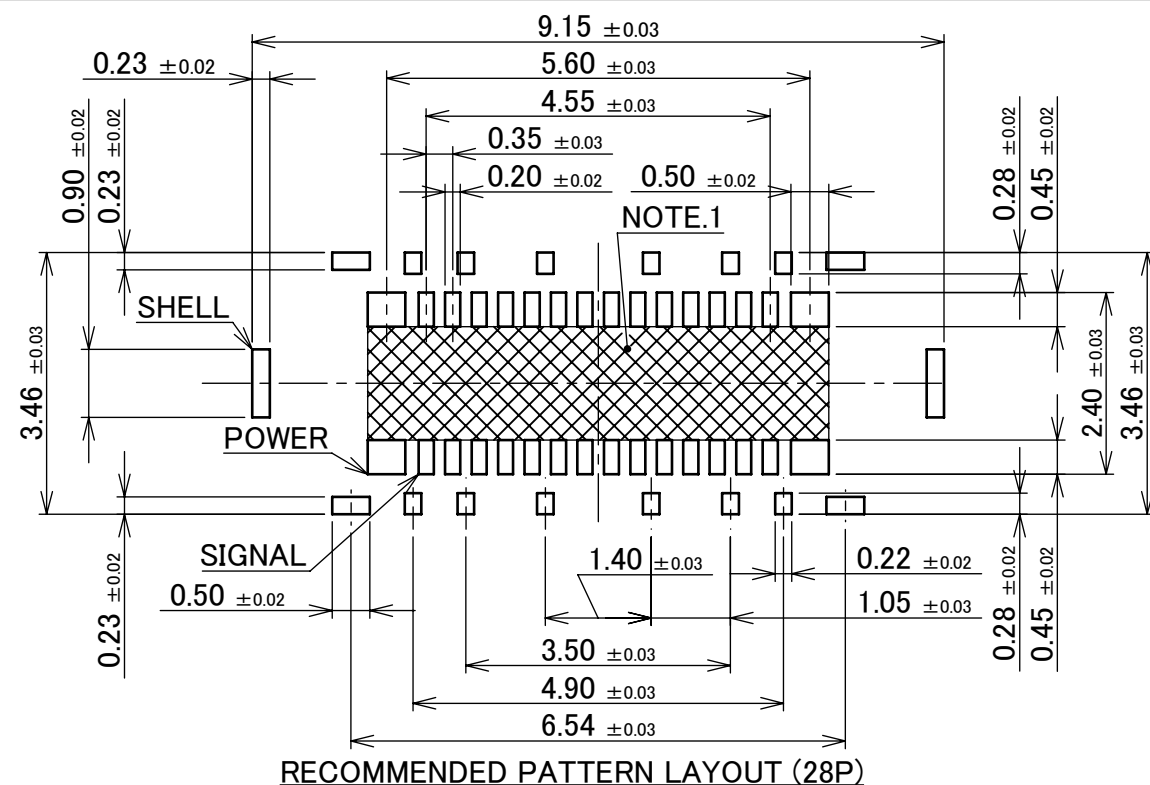
Pos.



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

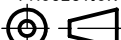
| ITEMS                                   | SPECIFICATION                                                |
|-----------------------------------------|--------------------------------------------------------------|
| APPLICABLE CONNECTOR PART No.           | 20697-0**E-01*                                               |
| 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                             | 0.08 MAX.                                                    |
| PRODUCT SPECIFICATION                   | PRS-2187                                                     |
| TEST REPORT                             | TR-16014                                                     |
| PACKING STANDARD                        | PST-15084 (10K/REEL)<br>PST-16126 (5K/REEL)                  |
| INSTRUCTION MANUAL                      | HIM-15020                                                    |
| APPEARANCE CRITERIA No.                 | QLS-A***                                                     |

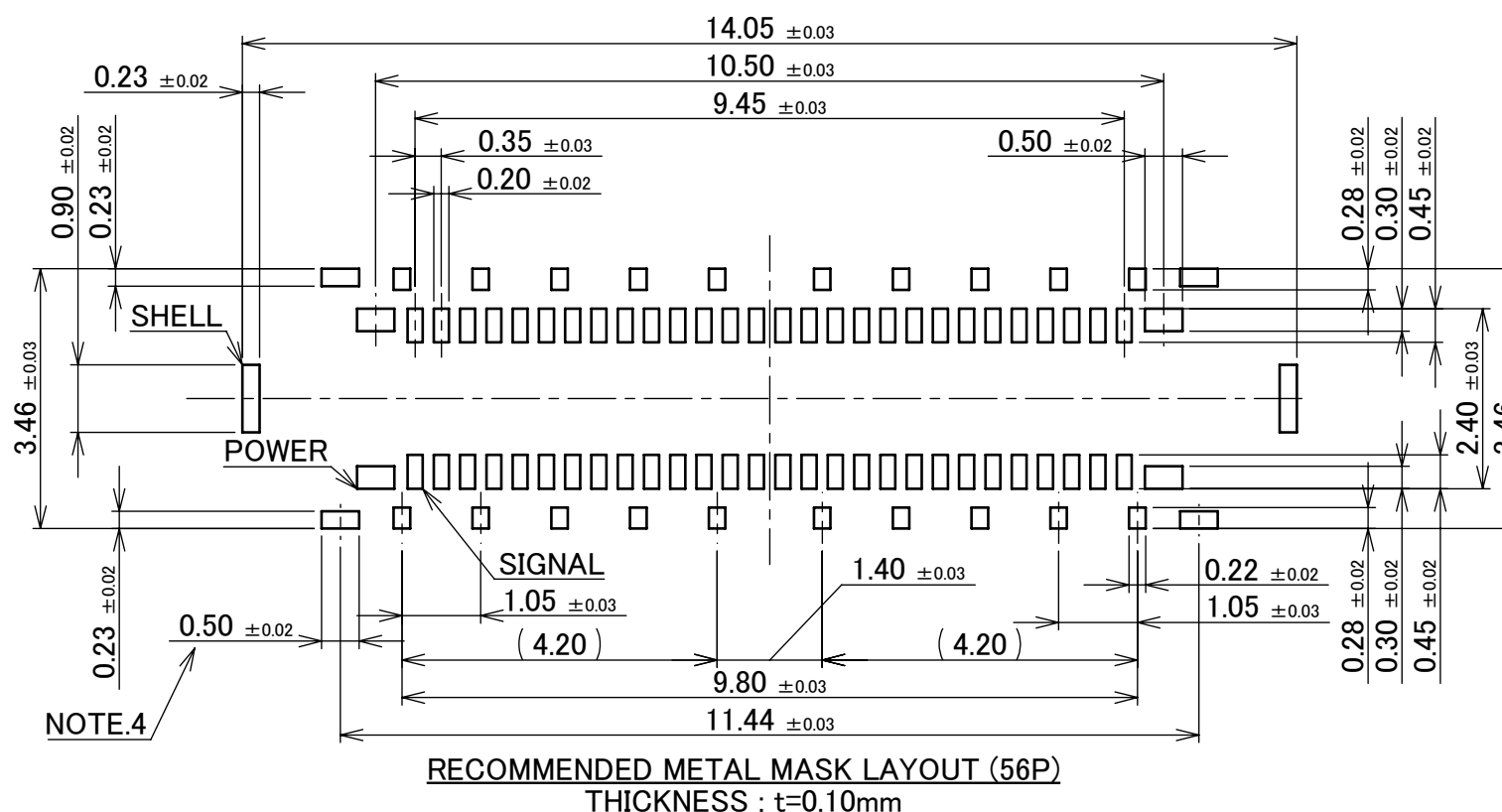
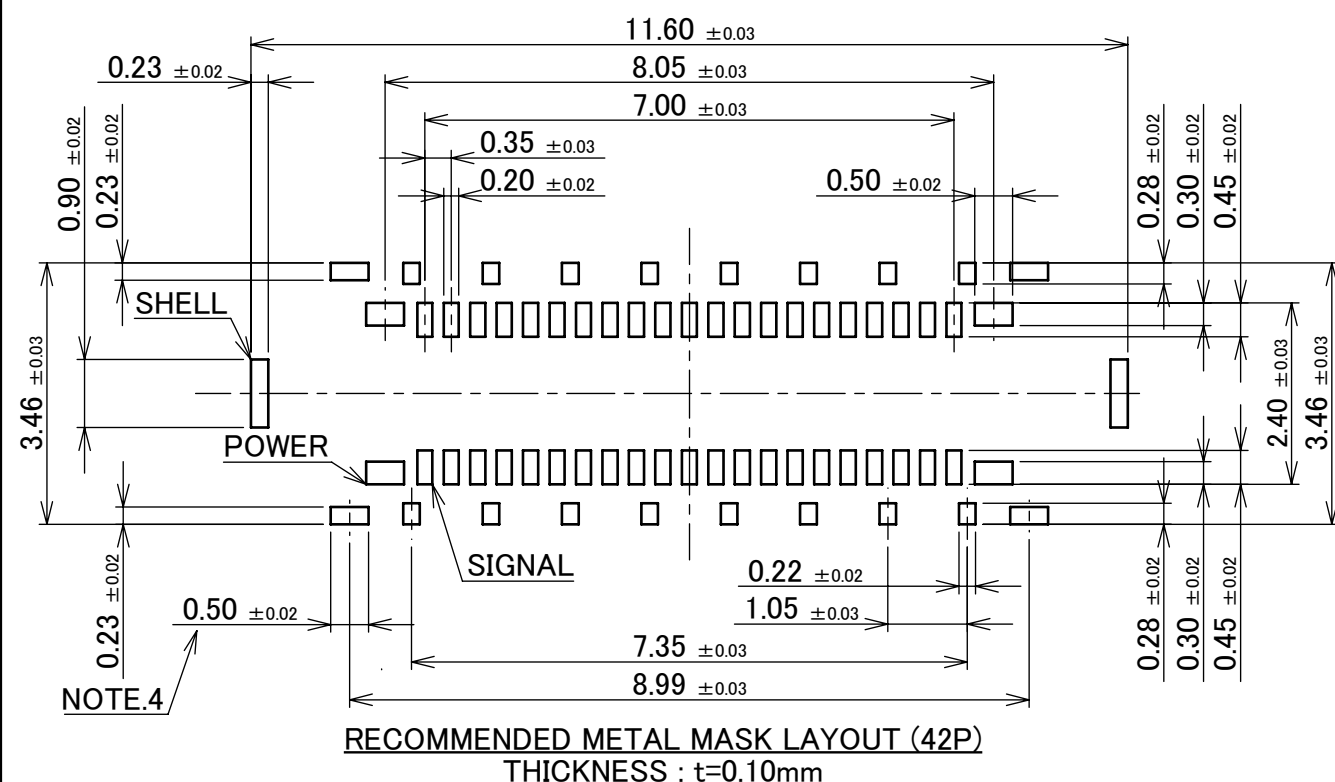
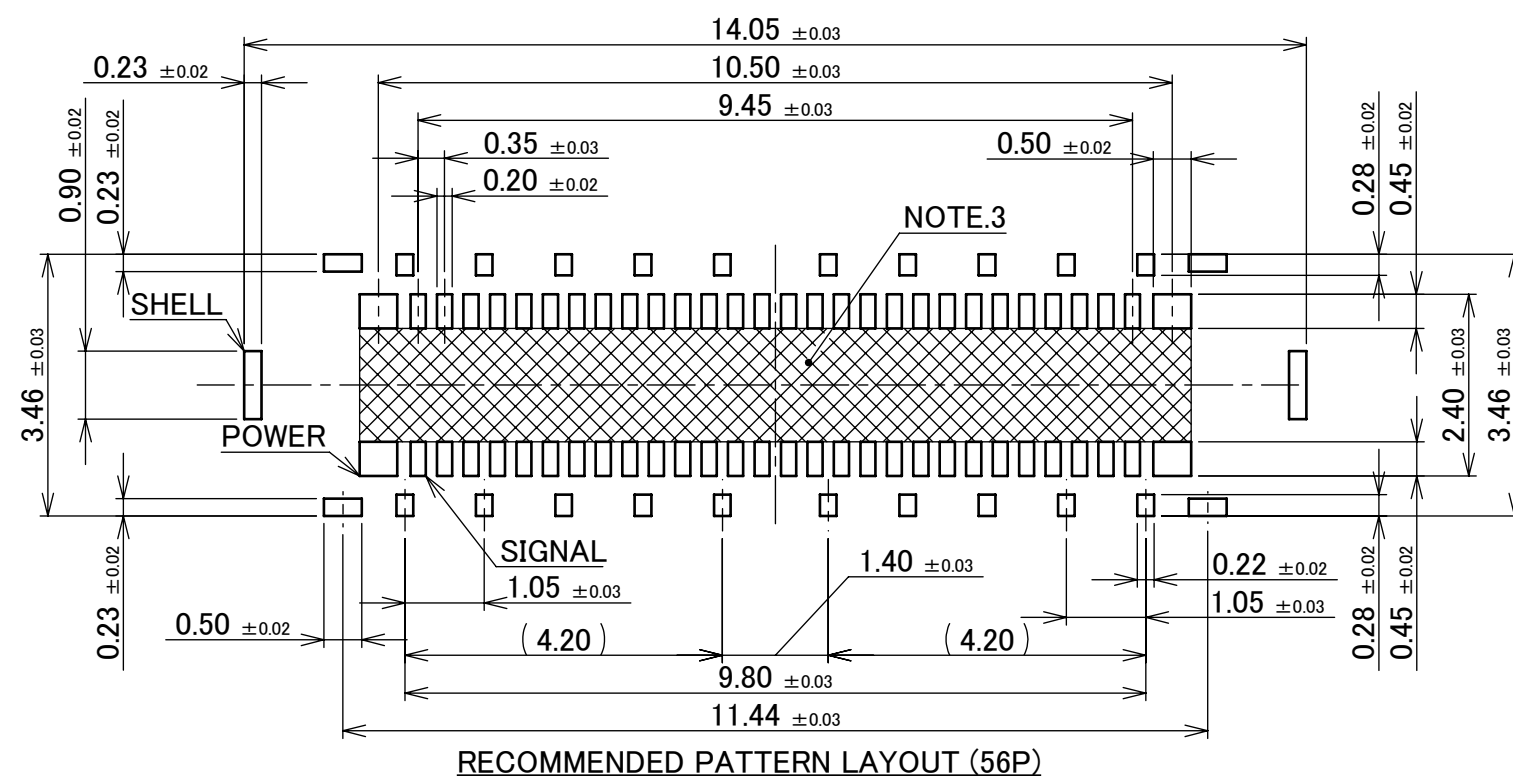
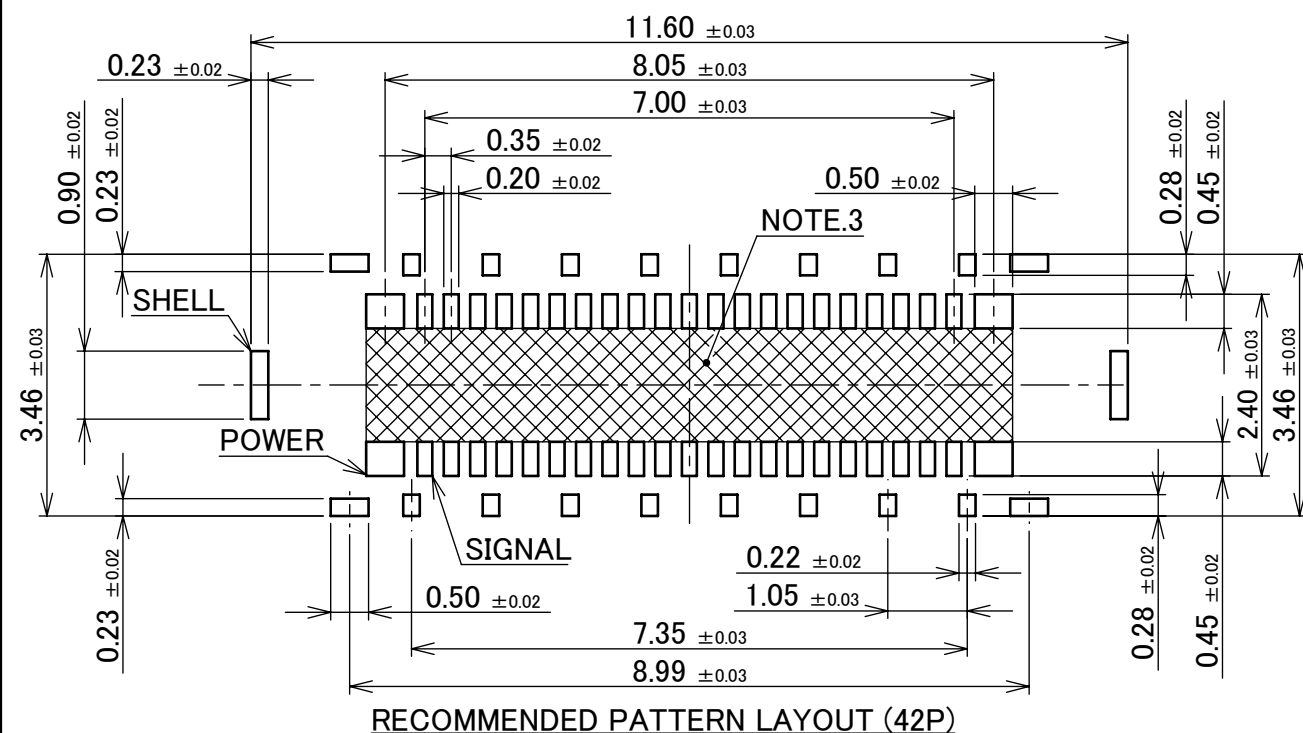
|                    |      |                  |      |                                                                                                     |                  |               |                                                                                       |      |  |  |
|--------------------|------|------------------|------|-----------------------------------------------------------------------------------------------------|------------------|---------------|---------------------------------------------------------------------------------------|------|--|--|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | PROJECTION<br> | SERIES No.<br>R2 | CUSTOMER COPY |                                                                                       |      |  |  |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                     |                  |               |                                                                                       |      |  |  |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>NOVASTACK® 35-HDP<br>RECEPTACLE ASSEMBLY                                                   |                  | SCALE         |  |      |  |  |
| DWG.               | DATE |                  |      |                                                                                                     |                  | UNIT          |                                                                                       |      |  |  |
| CHK.               |      |                  |      |                                                                                                     |                  | mm            |                                                                                       |      |  |  |
| APP.               |      |                  |      |                                                                                                     |                  | SIZE          | SHEET                                                                                 | REV. |  |  |
|                    |      |                  |      | DWG. No.                                                                                            | 20698            | A3            | 3/8                                                                                   | 10   |  |  |



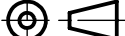
#### NOTES

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.

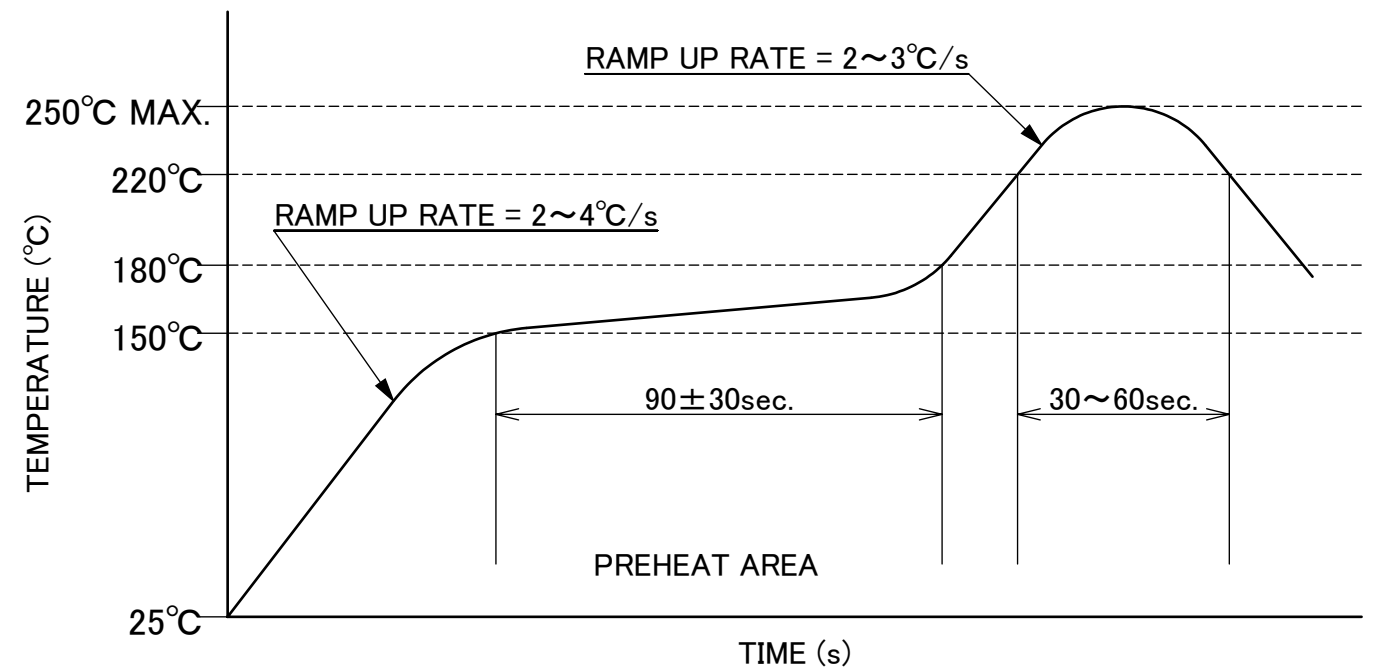
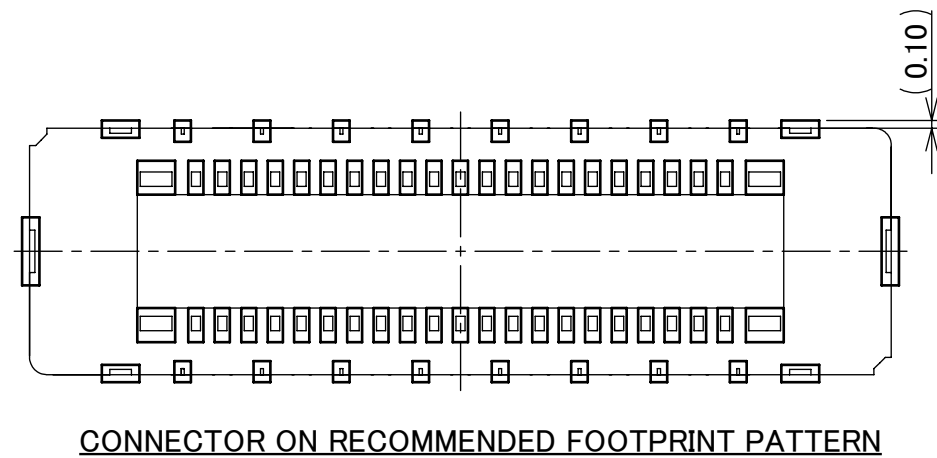
|                    |      |                  |      |                                                                                       |                  |                                                                                       |            |  |      |
|--------------------|------|------------------|------|---------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|------------|--|------|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 |  | SERIES No.<br>R2 | CUSTOMER COPY                                                                         |            |  |      |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                       |                  |                                                                                       |            |  |      |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>NOVASTACK® 35-HDP<br>RECEPTACLE ASSEMBLY                                     | SCALE<br>10:1    |  |            |  |      |
| DWG.               | DATE |                  |      |                                                                                       |                  |                                                                                       |            |  | UNIT |
| CHK.               |      |                  |      |                                                                                       |                  |                                                                                       |            |  | mm   |
| APP.               |      |                  |      |                                                                                       |                  |                                                                                       |            |  |      |
|                    |      |                  |      | DWG. No.<br>20698                                                                     | SIZE<br>A3       | SHEET<br>4/8                                                                          | REV.<br>10 |  |      |



- 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 |  | SERIES No. | CUSTOMER COPY |       |      |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                       | R2         |               |       |      |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>NOVASTACK® 35-HDP<br>RECEPTACLE ASSEMBLY                                     |            | SCALE         | I-PEX |      |
| DWG.               |      | DATE             |      |                                                                                       |            | 10:1          |       |      |
| CHK.               |      |                  |      | UNIT                                                                                  |            |               |       |      |
|                    |      |                  |      | mm                                                                                    |            |               |       |      |
| APP.               |      |                  |      | DWG. No.                                                                              |            | SIZE          | SHEET | REV. |
|                    |      |                  |      | 20698                                                                                 |            | A3            | 5/8   | 10   |

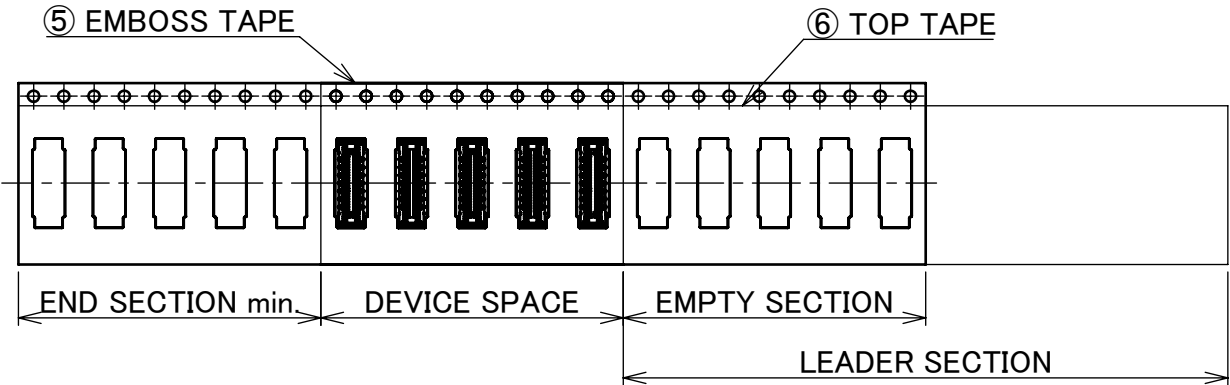
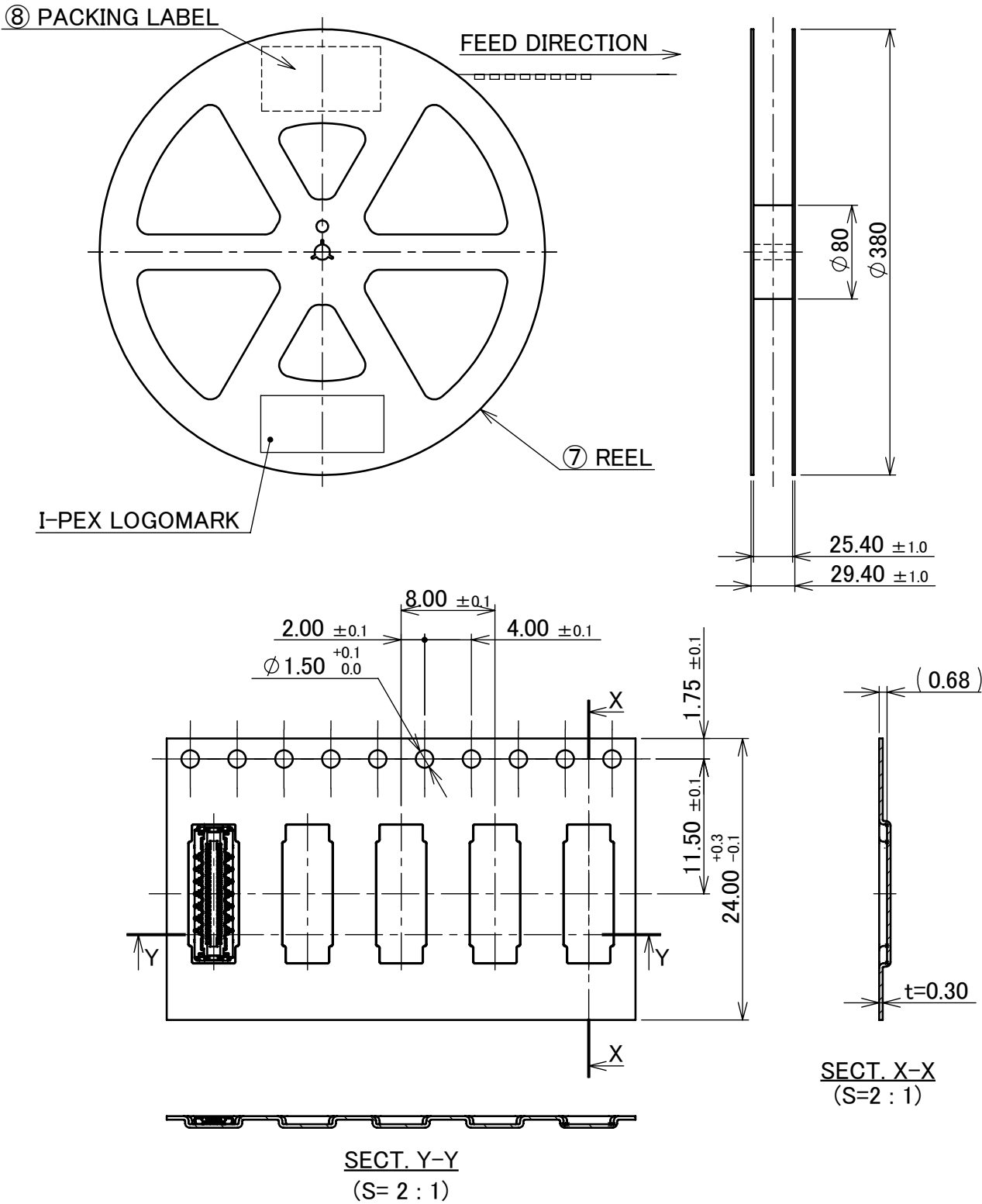




REFLOW TEMPERATURE PROFILE  
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

|                    |      |                  |      |                                                                                                             |                             |               |              |            |
|--------------------|------|------------------|------|-------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|--------------|------------|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | <div>PROJECTION</div>  | SERIES No.<br>R2            | CUSTOMER COPY |              |            |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                             |                             |               |              |            |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>NOVASTACK® 35-HDP<br>RECEPTACLE ASSEMBLY                                                           | SCALE<br>10:1<br>UNIT<br>mm | I-PEX         |              |            |
| DWG.               |      | DATE             |      |                                                                                                             |                             |               |              |            |
| CHK.               |      |                  |      |                                                                                                             |                             |               |              |            |
| APP.               |      |                  |      |                                                                                                             |                             |               |              |            |
|                    |      |                  |      | DWG. No.                                                                                                    | 20698                       | SIZE<br>A3    | SHEET<br>7/8 | REV.<br>10 |

| PART NO.       | Pos. | QTY. PER EMBOSS REEL<br>(PIECES / REEL) | QTY. PER PACKING CARTON   |
|----------------|------|-----------------------------------------|---------------------------|
| 20698-0**E-01  | 28P  | 10,000 / REEL                           | 10,000 × 5 REELS = 50,000 |
|                | 34P  |                                         |                           |
|                | 42P  |                                         |                           |
|                | 56P  |                                         |                           |
|                | 62P  |                                         |                           |
| 20698-0**E-01M | 42P  | 5,000 / REEL                            | 5,000 × 5 REELS = 25,000  |
|                | 56P  |                                         |                           |
|                | 62P  |                                         |                           |



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

| 8   | PACKING LABEL | -                           | -                      |
|-----|---------------|-----------------------------|------------------------|
| 7   | REEL          | PS                          | ANTI-STATIC TYPE BLACK |
| 6   | TOP TAPE      | PET t=0.062<br>TRANSPARENCY | ANTI-STATIC TYPE       |
| 5   | EMBOSS TAPE   | PS<br>TRANSPARENCY          | ANTI-STATIC TYPE       |
| NO. | DESCRIPTION   | MATERIAL                    | FINISH , REMARKS       |

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