

Recommended P/N21003-060E

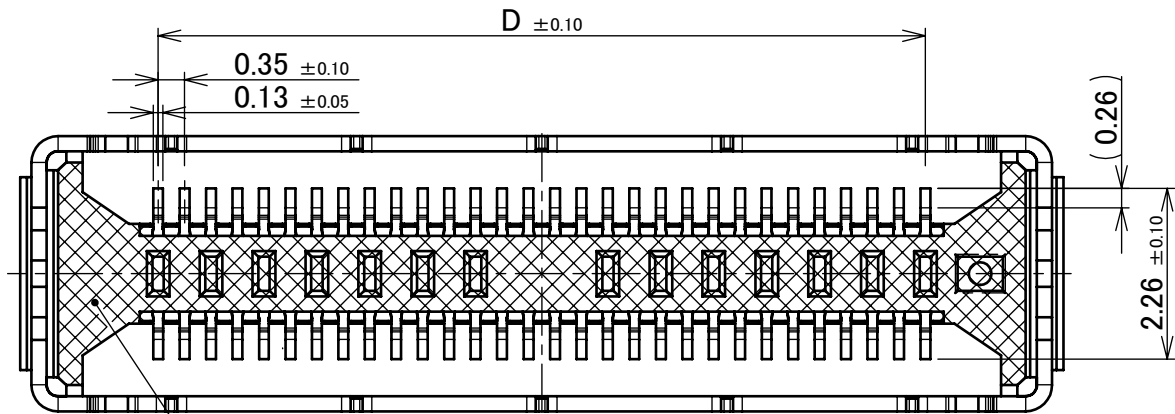
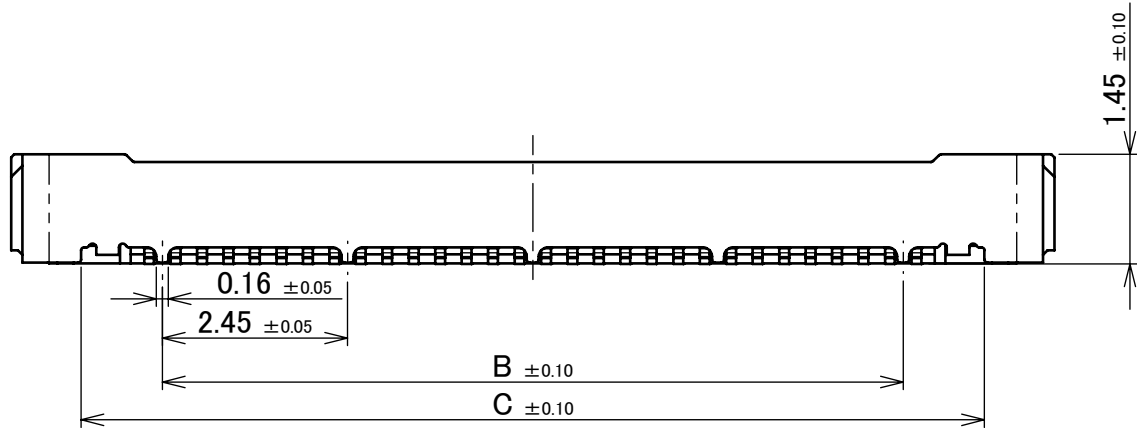
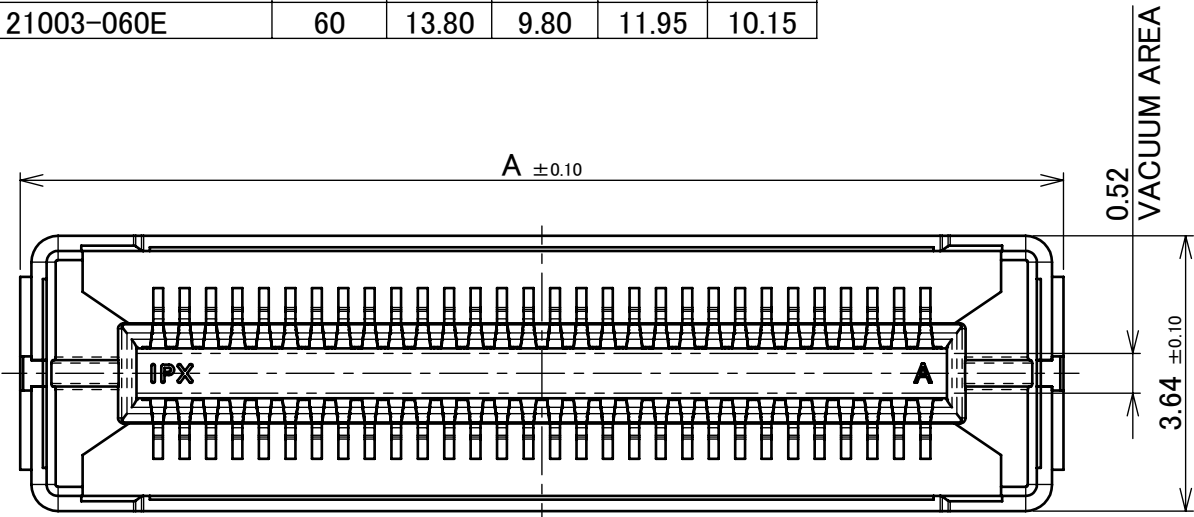
| PART No.   | Pos. | A     | B    | C     | D     |
|------------|------|-------|------|-------|-------|
| 21003-060E | 60   | 13.80 | 9.80 | 11.95 | 10.15 |



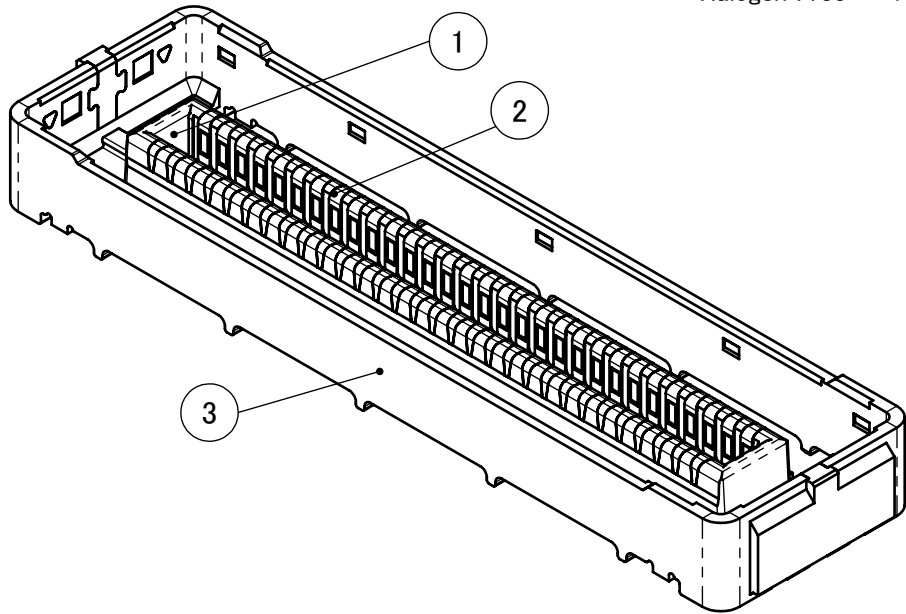
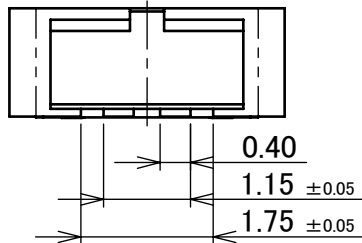
Halogen Free



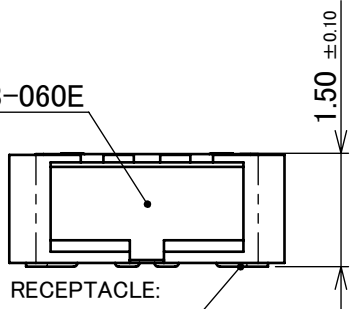
RoHS Compliant



THERE IS A POSSIBILITY OF DENT SHAPE  
IN THE BOTTOM SURFACE OF HOUSING.



PLUG:  
21003-060E



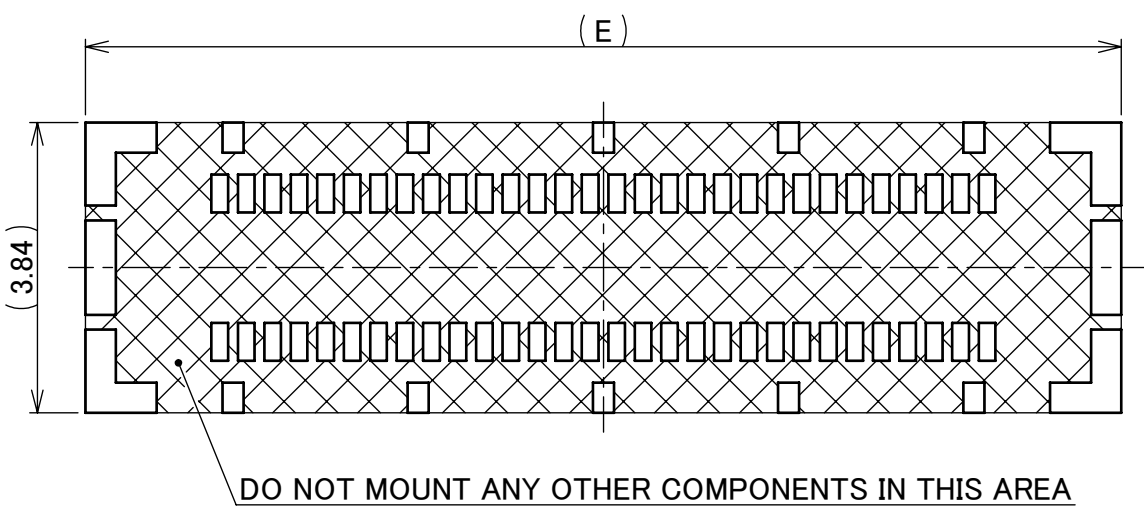
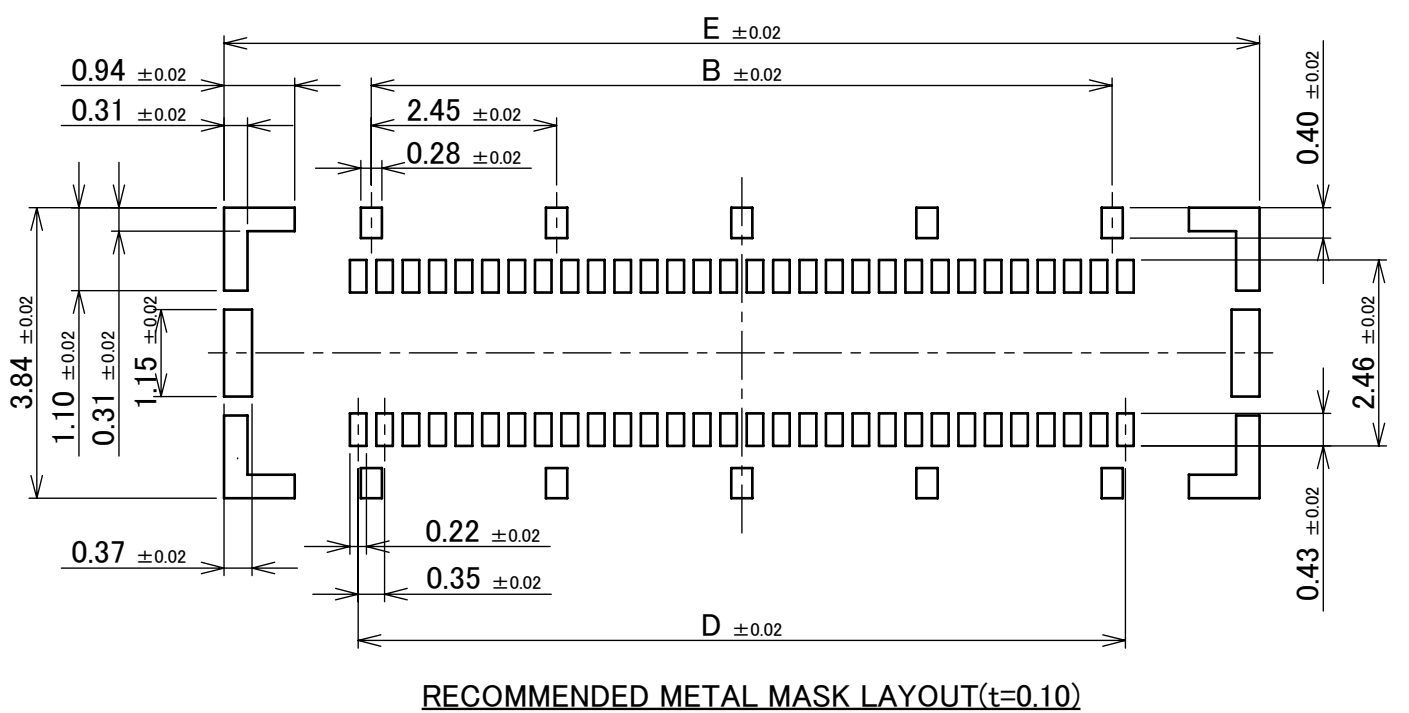
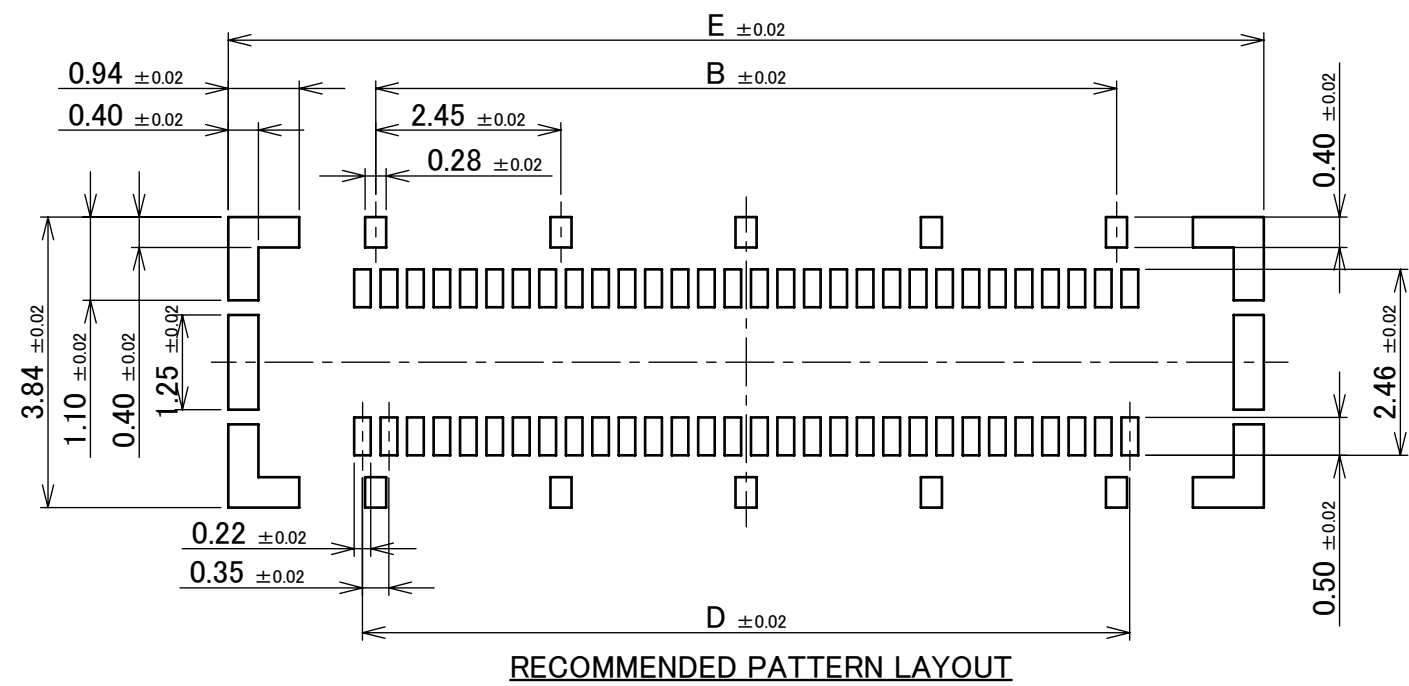
MATING CONDITON

| 3               | SHELL       | CORSON ALLOY | ALL Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN.                                                                       |                         |                                             |
|-----------------|-------------|--------------|------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------|
| 2               | CONTACT     | CORSON ALLOY | CONTACT AREA : Au 0.13 μ m MIN. OVER Ni 1.27 μ m MIN.<br>SOLDERING AREA : Au 0.02 μ m MIN. OVER Ni 1.27 μ m MIN. |                         |                                             |
| 1               | HOUSING     | LCP          | UL94V-0 , BLACK                                                                                                  |                         |                                             |
| NO.             | DESCRIPTION |              |                                                                                                                  |                         | FINISH, REMAKS                              |
|                 |             |              | ANGLE                                                                                                            | ±2° 6 OVER 30 MAX. ±0.3 | PROJECTION<br>⊕<br>SERIES No.<br>R4         |
|                 |             |              | 6 MAX. ±0.2 30 OVER 120 MAX. ±0.5                                                                                |                         |                                             |
|                 |             |              | GENERAL TOLERANCE.                                                                                               |                         | TITLE<br>NOVASTACK® 35-HDH<br>PLUG ASSEMBLY |
|                 |             |              | DWG.                                                                                                             | DATE                    |                                             |
| 1               | Z230807     | Y.B          | 2023/07/12                                                                                                       | Y.H                     |                                             |
| 0               | Z220773     | M.H          | 2022/07/06                                                                                                       |                         |                                             |
| REV.            | ECN         | BY           | DATE                                                                                                             | APP.                    | DWG. No.                                    |
| REVISION RECORD |             |              |                                                                                                                  |                         | 21003                                       |
|                 |             |              |                                                                                                                  |                         | Y.Hashimoto                                 |
|                 |             |              |                                                                                                                  |                         | SCALE<br>10:1                               |
|                 |             |              |                                                                                                                  |                         | UNIT<br>mm                                  |
|                 |             |              |                                                                                                                  |                         | SIZE<br>A3                                  |
|                 |             |              |                                                                                                                  |                         | SHEET<br>1/5                                |
|                 |             |              |                                                                                                                  |                         | REV.<br>1                                   |

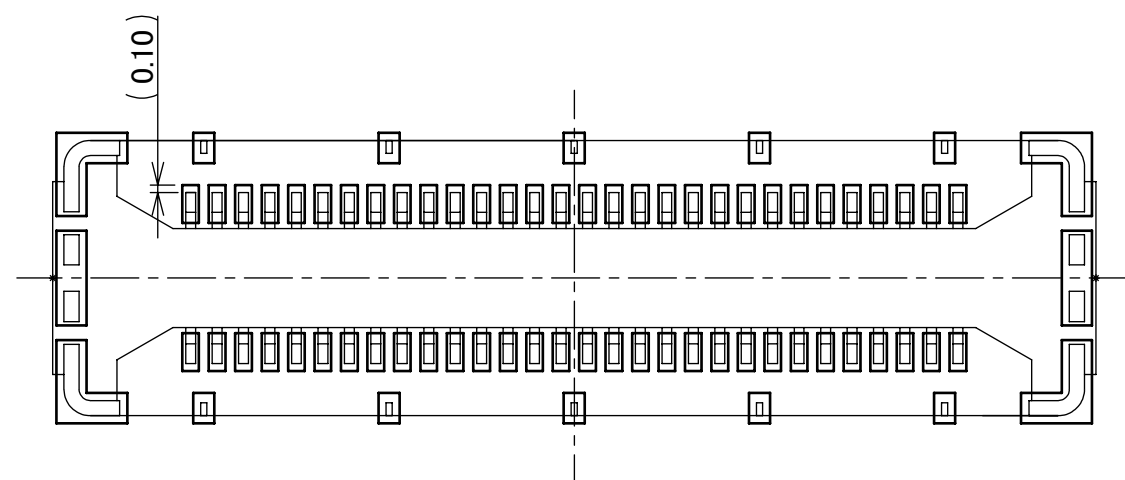
| ITEMS                                   | SPECIFICATION                                                  |
|-----------------------------------------|----------------------------------------------------------------|
| APPLICABLE CONNECTOR PART No.           | 21004-060E                                                     |
| RATING VOLTAGE                          | 60V AC (R.M.S.)/DC (PER CONTACT PIN)                           |
| RATING AMPERAGE (FOR SIGNAL CONTACT)    | 0.5A AC/DC (PER CONTACT PIN)/ 12.0A AC/DC(TOTAL)               |
| OPERATING TEMPERATURE                   | 233~358K(-40℃~+85℃)<br>(CONTANING TEMPERATURE RISE BY CURRENT) |
| OPERATING HUMIDITY                      | 85% MAX.(NON-CONDENSING)                                       |
| CONTACT RESISTANCE (FOR SIGNAL CONTACT) | INITIAL : 50mohm MAX. / AFTER TEST : $\triangle$ 50mohm MAX.   |
| CONTACT RESISTANCE (FOR GROUND)         | INITIAL : 20mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.   |
| INSULATION RESISTANCE                   | INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.            |
| DIELECTRIC WITHSTANDING VOLTAGE         | AC250V 1min                                                    |
| DURABILITY                              | 20 CYCLES                                                      |
| MATING FORCE (INITIAL / AFTER TEST)     | INITIAL 60N MAX.                                               |
| UNMATING FORCE (INITIAL / AFTER TEST)   | 20 CYCLES 6.0N MIN.                                            |
| COPLANARITY                             | 0.10mm MAX.                                                    |
| PRODUCT SPECIFICATION                   | PRS-2785                                                       |
| TEST REPORT                             | TR-22021                                                       |
| PACKING STANDARD                        | PST-21086                                                      |
| INSTRUCTION MANUAL                      | HIM-21015                                                      |
| APPEARANCE CRITERIA No.                 | QLS-A***                                                       |

|                    |      |                  |      |                                                                                                                        |                  |               |       |            |
|--------------------|------|------------------|------|------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------|------------|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | <div>PROJECTION</div> <div></div> | SERIES No.<br>R4 | CUSTOMER COPY |       |            |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                                        |                  |               |       |            |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>NOVASTACK® 35-HDH<br>PLUG ASSEMBLY                                                                            |                  | SCALE         | I-PEX |            |
| DWG.               | DATE |                  |      |                                                                                                                        |                  | UNIT          |       |            |
| CHK.               |      |                  |      |                                                                                                                        |                  | mm            |       |            |
| APP.               |      |                  |      |                                                                                                                        |                  | DWG. No.      | 21003 | SIZE<br>A3 |

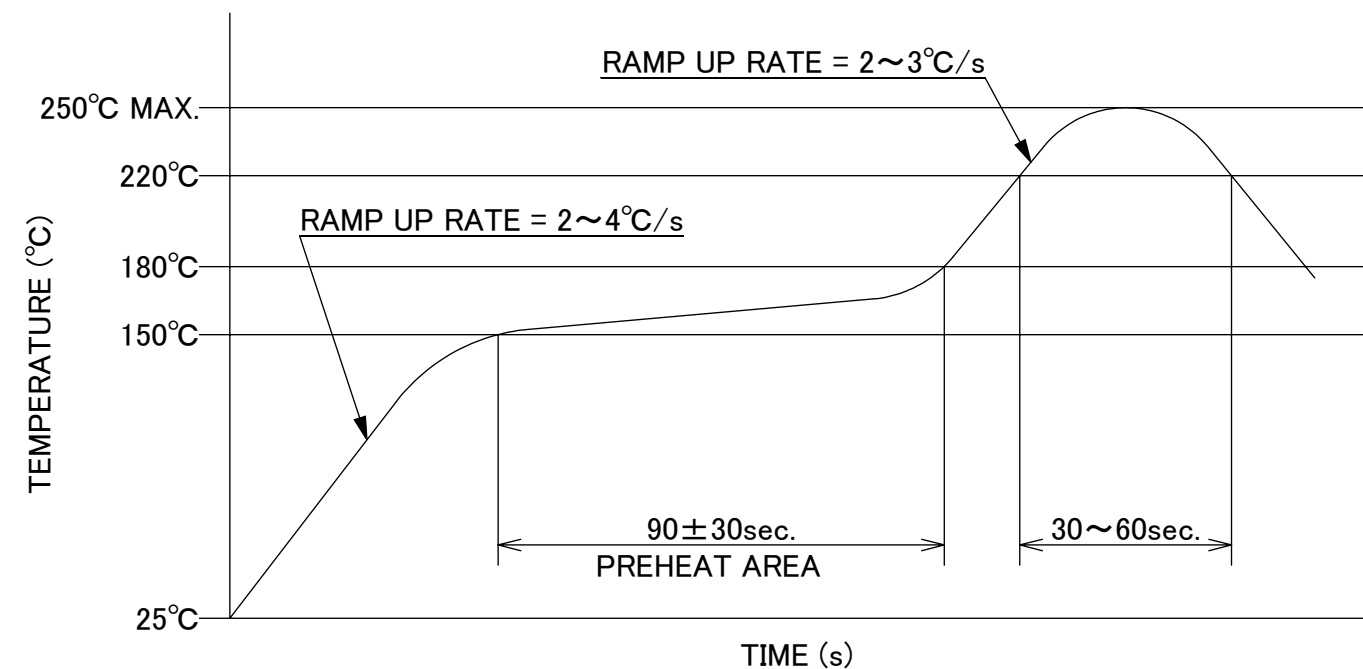
| PART No.   | Pos. | B    | D     | E     |
|------------|------|------|-------|-------|
| 21003-060E | 60   | 9.80 | 10.15 | 13.70 |



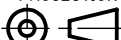
|                    |      |                  |      |                                                                                                     |            |               |                                                                                       |      |
|--------------------|------|------------------|------|-----------------------------------------------------------------------------------------------------|------------|---------------|---------------------------------------------------------------------------------------|------|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | PROJECTION<br> | SERIES No. | CUSTOMER COPY |                                                                                       |      |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                     | R4         |               |                                                                                       |      |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>NOVASTACK® 35-HDH<br>PLUG ASSEMBLY                                                         |            | SCALE         |  |      |
| DWG.               | DATE |                  |      |                                                                                                     |            | 10:1          |                                                                                       |      |
| CHK.               |      |                  |      |                                                                                                     |            | UNIT          |                                                                                       |      |
| APP.               |      |                  |      |                                                                                                     |            | mm            |                                                                                       |      |
|                    |      |                  |      | DWG. No.                                                                                            | 21003      | SIZE          | SHEET                                                                                 | REV. |
|                    |      |                  |      |                                                                                                     |            | A3            | 3/5                                                                                   | 1    |



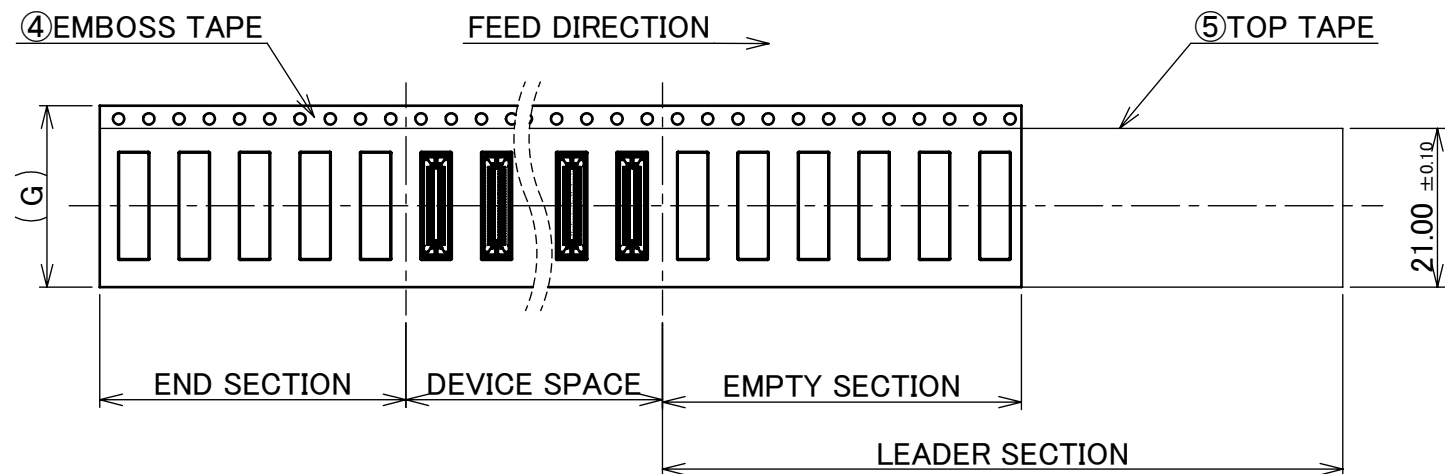
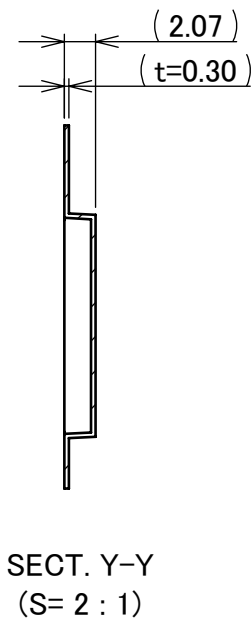
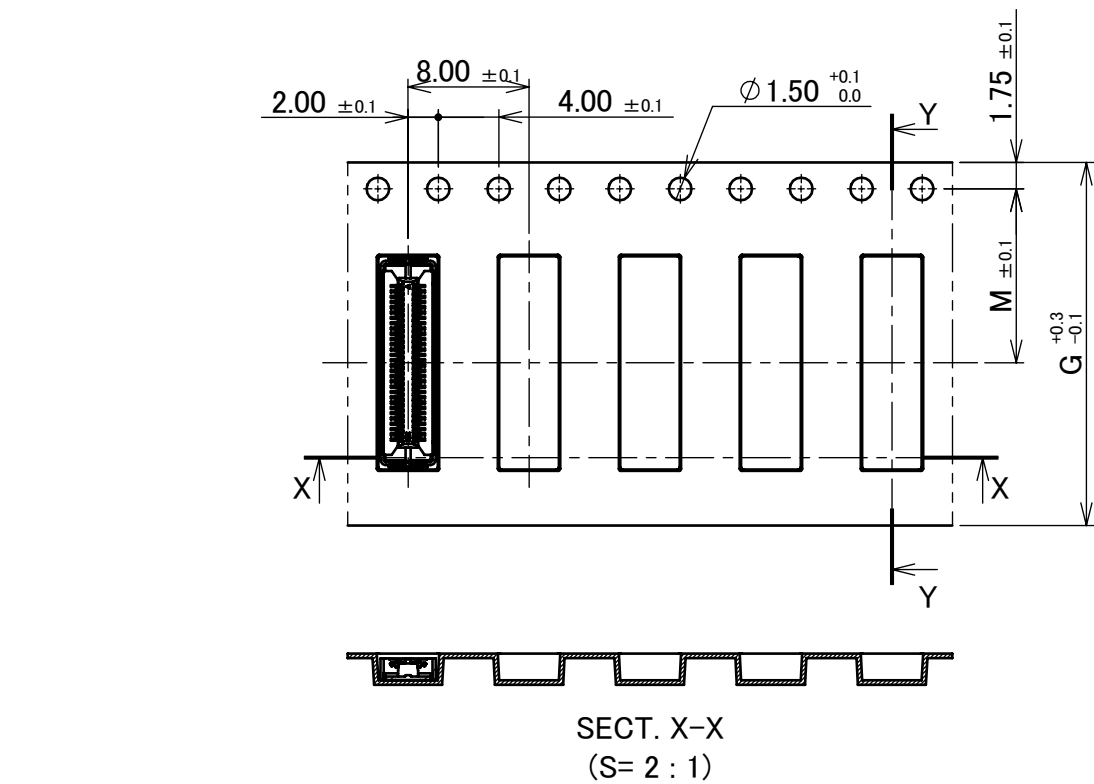
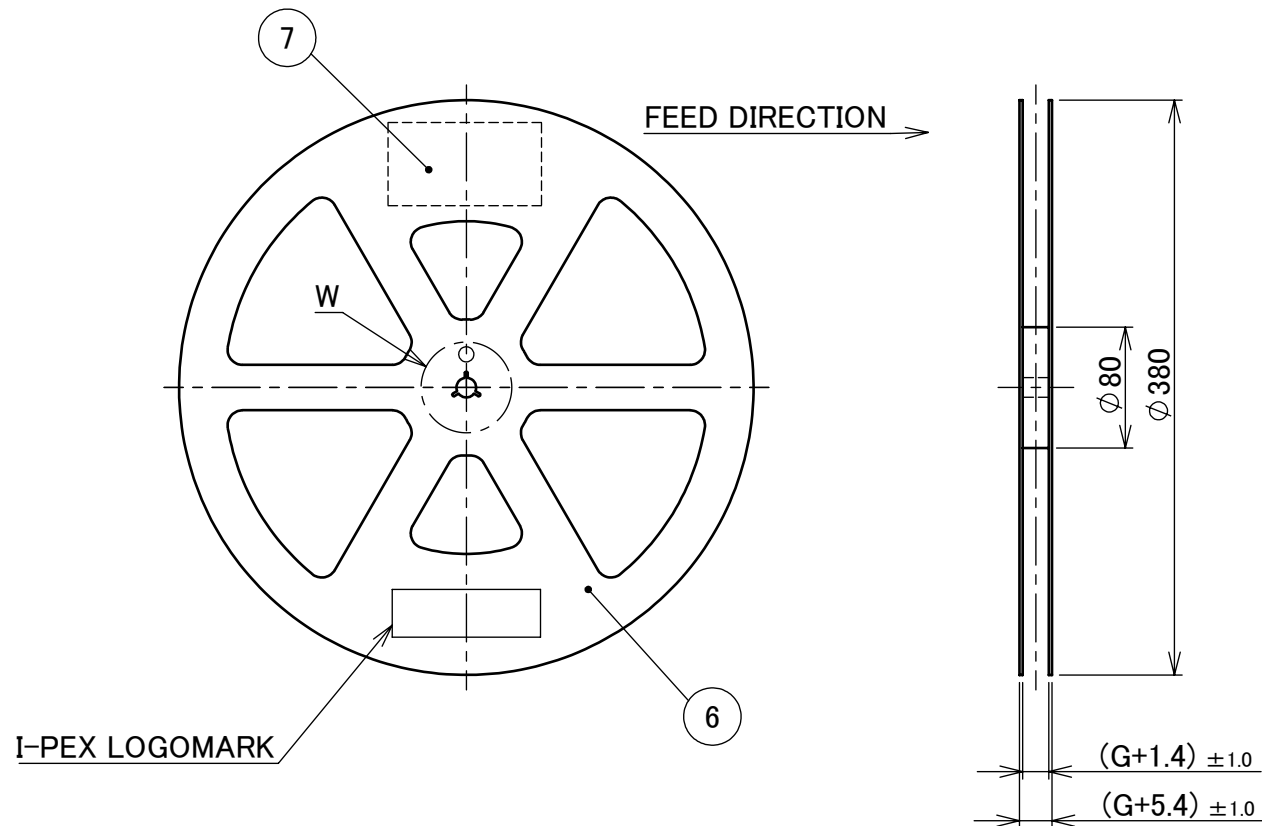
CONNECTOR ON RECOMMENDED FOOT PRINT PATTERN LAYOUT



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>R4 | CUSTOMER COPY |                  |      |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                             |                  |               |                  |      |
| GENERAL TOLERANCE. |      |                  |      | <div>TITLE</div> <div>NOVASTACK® 35-HDH<br/>PLUG ASSEMBLY</div>                                             |                  | SCALE         | <div>I-PEX</div> |      |
| DWG.               | DATE |                  |      |                                                                                                             |                  | 10:1          |                  |      |
| CHK.               |      |                  |      |                                                                                                             |                  | UNIT          |                  |      |
|                    |      |                  |      |                                                                                                             |                  | mm            |                  |      |
| APP.               |      |                  |      | DWG. No.                                                                                                    | 21003            | SIZE          | SHEET            | REV. |
|                    |      |                  |      |                                                                                                             | A3               | 4/5           | 1                |      |

| PART NO.   | POS. | G    | M     | QTY. PER EMBOSS REEL<br>(PIECES / REEL) | QTY. PER PACKING CARTON<br>(REELS / CARTON) |
|------------|------|------|-------|-----------------------------------------|---------------------------------------------|
| 21003-060E | 60P  | 24.0 | 11.50 | 5,000 / REEL                            | 5,000 × 5 REELS = 25,000                    |



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

| 7                  | PACKING LABEL         | -                                  | -                      |
|--------------------|-----------------------|------------------------------------|------------------------|
| 6                  | REEL                  | PS                                 | ANTI-STATIC TYPE BLACK |
| 5                  | TOP TAPE              | PET t=0.062<br>TRANSPARENCY        | ANTI-STATIC TYPE       |
| 4                  | EMBOSS TAPE           | PS t=0.3<br>TRANSPARENCY           | ANTI-STATIC TYPE       |
| NO.                | DESCRIPTION           | MATERIAL                           | FINISH , REMARKS       |
| ANGLE              | ±2° 6 OVER 30 MAX.    | ±0.3                               | PROJECTION             |
| 6 MAX.             | ±0.2 30 OVER 120 MAX. | ±0.5                               | SERIES No.<br>R4       |
| GENERAL TOLERANCE. |                       | TITLE                              |                        |
| DWG.               | DATE                  | NOVASTACK® 35-HDH<br>PLUG ASSEMBLY |                        |
| CHK.               |                       | SCALE                              |                        |
| APP.               |                       | 1:X                                |                        |
|                    |                       | UNIT                               |                        |
|                    |                       | mm                                 |                        |
|                    |                       | SIZE                               |                        |
|                    |                       | A3                                 |                        |
|                    |                       | SHEET                              |                        |
|                    |                       | 5/5                                |                        |
|                    |                       | REV.                               |                        |
|                    |                       | 1                                  |                        |