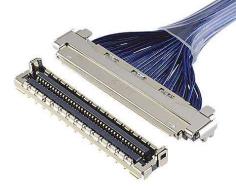
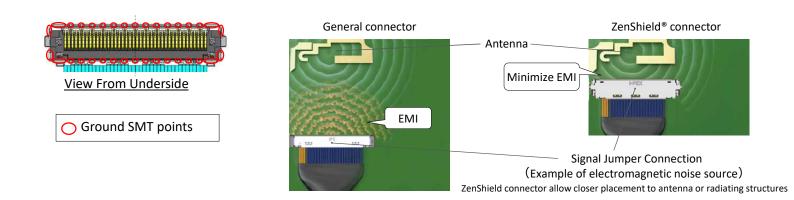
# **CABLINE®-UM**

Fully-shielded and multi-point ground, Mechanical lock, High-data-rate transfer (20 Gbps/lane), 0.4 mm pitch, Right angle vertical mating type micro-coaxial connector

| Product Specifi                         | cations:                       |                                              | Applicable Cable Size:   |                          |                        |
|-----------------------------------------|--------------------------------|----------------------------------------------|--------------------------|--------------------------|------------------------|
| Mating 1                                | type                           | Right Angle Vertical                         |                          | Maximum O.D. (mm)        | 0.4                    |
| Board Pitch                             | n (mm)                         | 0.4                                          |                          | Micro-Coaxial            | 45 ohm: #38 or smaller |
| Wiping Leng                             | th (mm)                        | 0.65                                         |                          | for Signal (AWG)         | 50 ohm: #40 or smaller |
|                                         | With Lock Cover : 2.2 +/- 0.15 |                                              |                          | Twin Coaxial (AWG)       | #40, #42               |
|                                         | Height                         | Without Lock Cover : 2.0 +/- 0.15            |                          | Discrete (AWG)           | #34 or smaller         |
| Mated size<br>(mm)                      |                                | With Pull Tape Holder: 2.2 +/- 0.15          |                          |                          |                        |
| (((((())))))))))))))))))))))))))))))))) | Width                          | Formula: 5.0 + (0.4 * ? p)                   |                          |                          |                        |
|                                         | Depth                          | 5.0 with lock cover                          |                          | Applicable Standards (Re | eference Only):        |
| Pin Counts                              | Range Up to 60                 |                                              |                          | USB4/Thunderbolt 4 (20   |                        |
| Available 30, 40, 60                    |                                |                                              | (16GT/s), eDP HBR 3 (8.1 | Gbps)                    |                        |
| * Please inquire for                    | pin counts n                   | ot listed or outside of the pin count range. |                          |                          |                        |

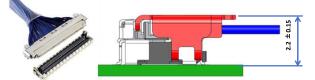


#### ZenShield<sup>®</sup> fully-shielded with multi-point grounds to prevent EMI leakage

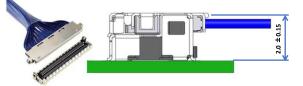


#### Wide range of variations

With Lock Cover---Enhanced mating retention force

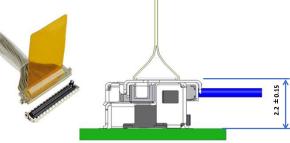


Without Lock Cover---Low profile

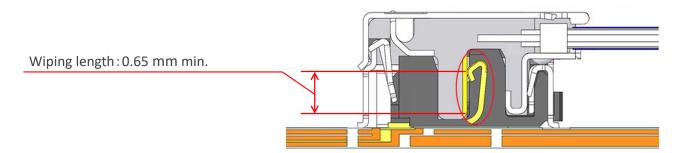


#### 1

With Pull tape holder---Improve unplug efficiency



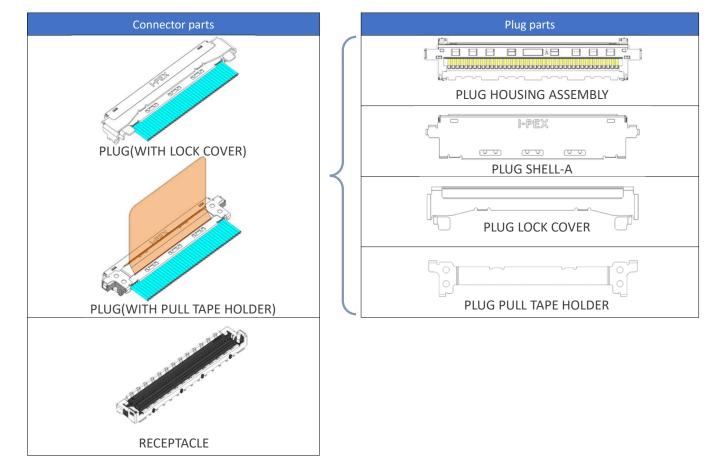
# High contact reliability





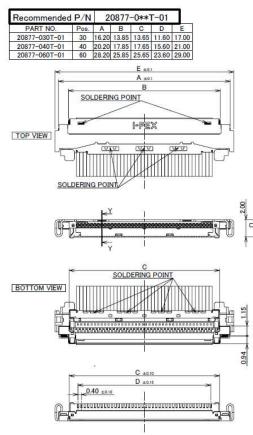
# **Component Parts Details**

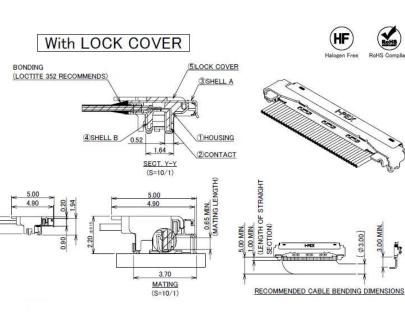
#### **Component Parts**



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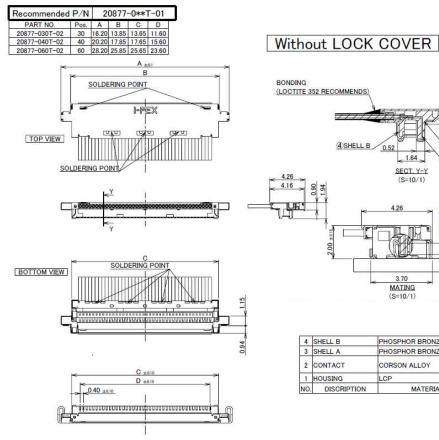
### Plug for Cable Assembly

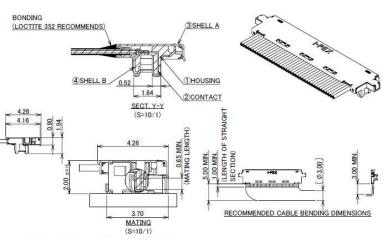




| 10. | DISCRIPTION | MATERIAL        | FINISH, REMARKS                                                         |
|-----|-------------|-----------------|-------------------------------------------------------------------------|
| 1   | HOUSING     | LCP             | UL94V-0 ,BLACK                                                          |
| 2   | CONTACT     | CORSON ALLOY    | ALL OVER Ni 1.0 μ m MIN.<br>CONTACT & SOLDERING AREA : Au 0.03 μ m MIN. |
| 3   | SHELL A     | PHOSPHOR BRONZE | PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.                          |
| 4   | SHELL B     | PHOSPHOR BRONZE | PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.                          |
| 5   | LOCK COVER  | PHOSPHOR BRONZE | ALL OVER Ni 1.0 µ m MIN.                                                |

(HF)

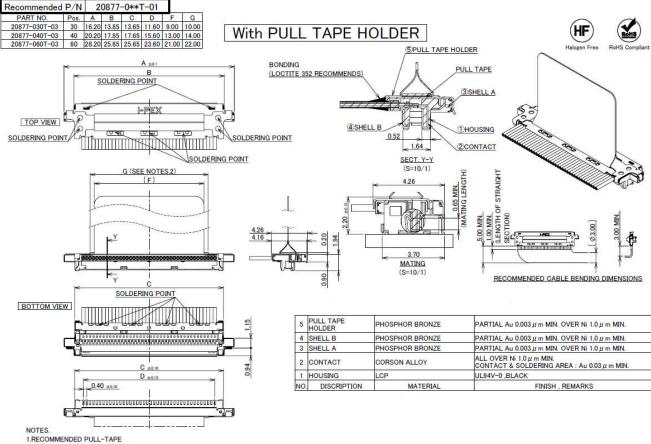




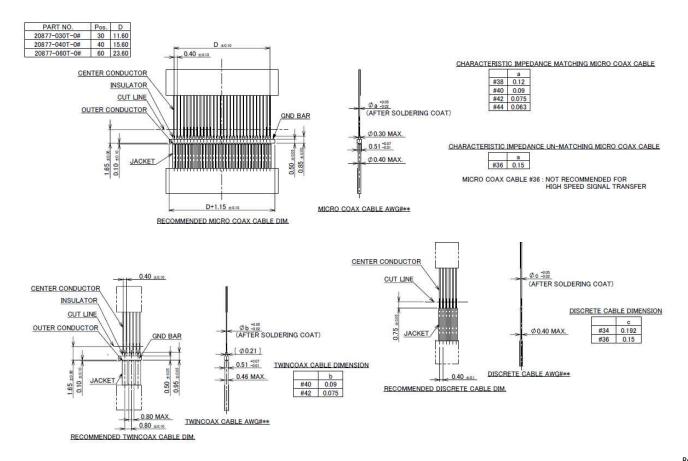
| NO | DISCRIPTION | MATERIAL        | FINISH, REMARKS                                                                 |  |  |  |  |  |
|----|-------------|-----------------|---------------------------------------------------------------------------------|--|--|--|--|--|
| 1  | HOUSING     | LCP             | UL94V-0 ,BLACK                                                                  |  |  |  |  |  |
| 2  | CONTACT     | CORSON ALLOY    | ALL OVER NI $1.0 \mu$ m MIN.<br>CONTACT & SOLDERING AREA : Au $0.03 \mu$ m MIN. |  |  |  |  |  |
| 3  | SHELL A     | PHOSPHOR BRONZE | PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.                                  |  |  |  |  |  |
| 4  | SHELL B     | PHOSPHOR BRONZE | PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.                                  |  |  |  |  |  |

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### **Plug for Cable Assembly**



PULL-TAPE : TERAOKA's INSULATION TAPE No.650S(#50) t=0.08 2.PULL-TAPE CAN BE PUT WITHIN THE RANGE OF "G" STRIAGHT AREA.



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Rev 10

## **Plug Housing Assembly**

| I TUS TIOU                     | ASING ASSEMBLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 |                                                            |                         |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|------------------------------------------------------------|-------------------------|
| Recommended                    | P/N 20878-0**T-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 |                                                            |                         |
| PART No.                       | Pos. A B C D E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FGH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                 |                                                            | ~ ~                     |
| 20878-030T-01                  | 1 30 13.65 11.60 16.20 12.01 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13.00 12.65 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | (                                                          |                         |
| 20878-040T-01<br>20878-060T-01 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 17.00 16.65 8.0<br>25.00 24.65 16.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                 |                                                            | RoHS                    |
| 20070-0001-01                  | 00 23.00 23.00 28.20 24.01 20.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 23.00 24.00 10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                 | Halo                                                       | gen Free RoHS Compliant |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | Caller &                                                   |                         |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | CHEEL &                                                    |                         |
|                                | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | Setting a                                                  |                         |
|                                | < ~ ~ >                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | S                                                          |                         |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | ~                                                          |                         |
| L                              | _1°&                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 |                                                            | A Craw                  |
| 19                             | C ±0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 |                                                            |                         |
| 1                              | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | (7110)                                                     | USING                   |
|                                | r G >                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.21              | _0.65           | SULDERING AREA                                             | JSING                   |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | <               |                                                            |                         |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | 4               |                                                            | A P                     |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ъ                 | 4               | Torrest fill                                               | -}                      |
| TOP VIEW                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   | 1               |                                                            | 84                      |
|                                | and the second s | 1.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 14CB              |                 |                                                            | 1)                      |
|                                | 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   | 3SHELL B        |                                                            |                         |
|                                | E E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10.0              |                 | 9/8                                                        | ¥                       |
|                                | <u>− B ±01</u> →                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | - 0.40 ±0.1       | (2)CONTAC       | I SECT AN AN                                               |                         |
|                                | A A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 | SECT. AA-AA<br>S=(20/1)                                    |                         |
|                                | × 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -14 - 2004-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                 |                                                            |                         |
|                                | - AA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <sup>2</sup> × 3.81 × 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                 |                                                            |                         |
| Ē                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 |                                                            |                         |
| 5                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 |                                                            |                         |
|                                | AA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                 |                                                            |                         |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | lana a            |                 |                                                            |                         |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cherry State (as) | PHOSPHOR BRONZE | PARTIAL Au 0.003 µ m MIN. OVE<br>ALL OVER Ni 1.00 µ m MIN. | R Ni 1.00 μ m MIN.      |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 17                | CORSON ALLOY    | CONTACT & SOLDERING AREA                                   | : Au 0.03 µ m MIN.      |
| BOTTOM VIEW                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the second se | HOUSING           | LCP             | UL94V-0 BLACK                                              |                         |
| BOLLOW VEW L                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DISCRIPTION       | MATERIAL        | FINISH , REM                                               | IARKS                   |
|                                | (0,4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                 |                                                            |                         |

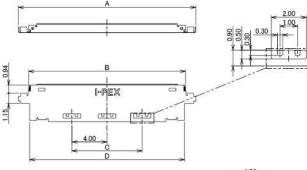
#### Rev.4

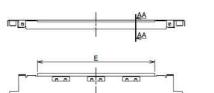
## Plug Shell-A

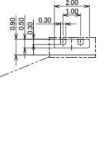
| Recommended | P/N  | 348   | 38-0** | 1     |       |       |  |
|-------------|------|-------|--------|-------|-------|-------|--|
| PART No.    | Pos. | A     | В      | C     | D     | E     |  |
| 3488-0301   | 30   | 16.20 | 13.88  | 4.00  | 13.65 | 9.36  |  |
| 3488-0401   | 40   | 20.20 | 17.88  | 8.00  | 17.65 | 13.36 |  |
| 3488-0601   | 60   | 28.20 | 25.88  | 16.00 | 25.65 | 21.36 |  |

(0.4)

B ±01

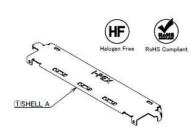


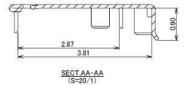








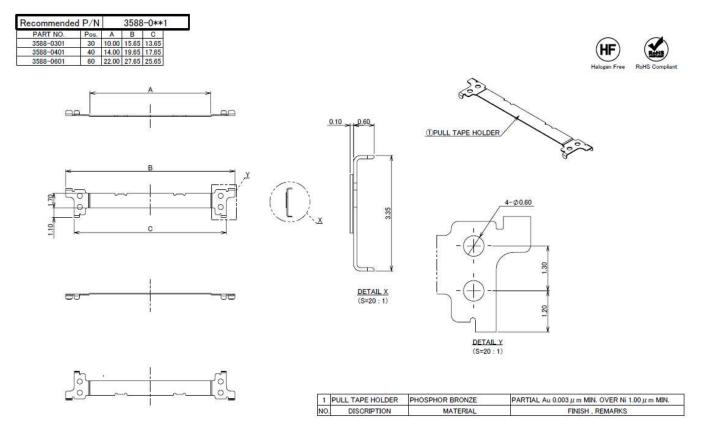




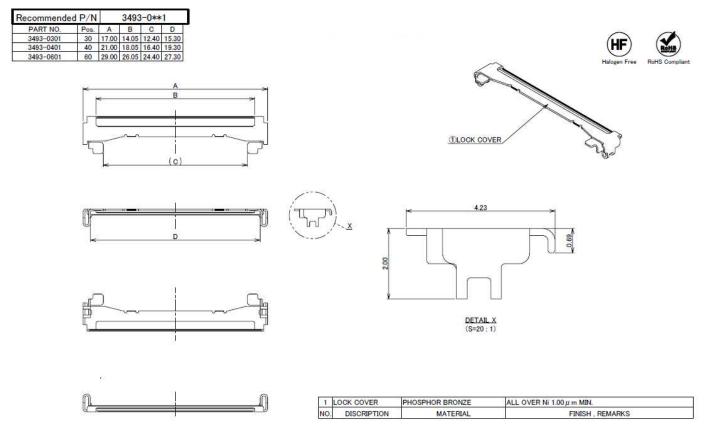
| 1   | SHELL A     | PHOSPHOR BRONZE | PARTIAL Au 0.003 µ m MIN. OVER Ni 1.00 µ m MIN. |
|-----|-------------|-----------------|-------------------------------------------------|
| NO. | DISCRIPTION | MATERIAL        | FINISH , REMARKS                                |



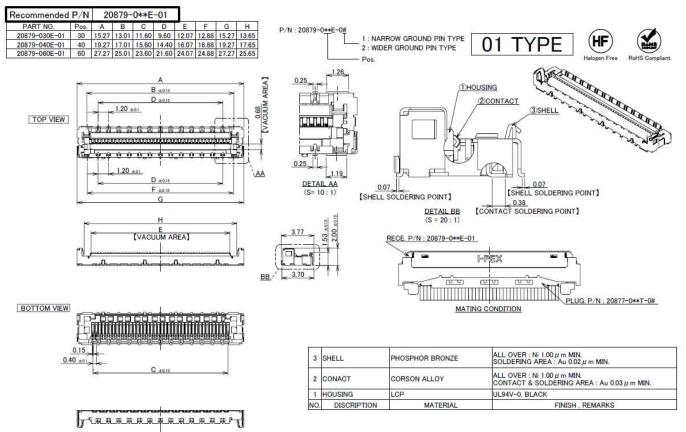
### Plug Pull Tape Holder

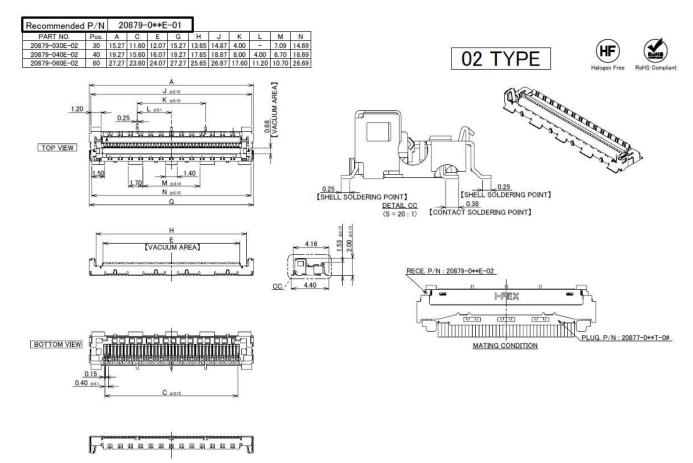


#### Lock Cover

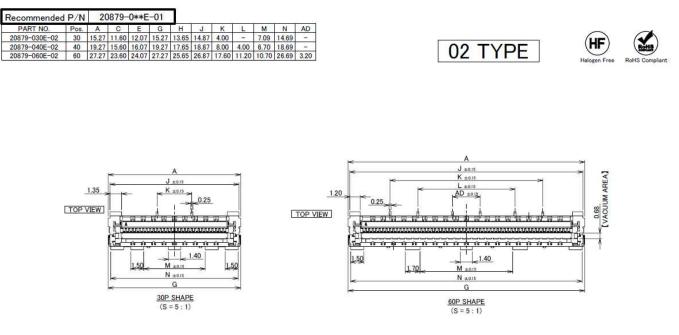


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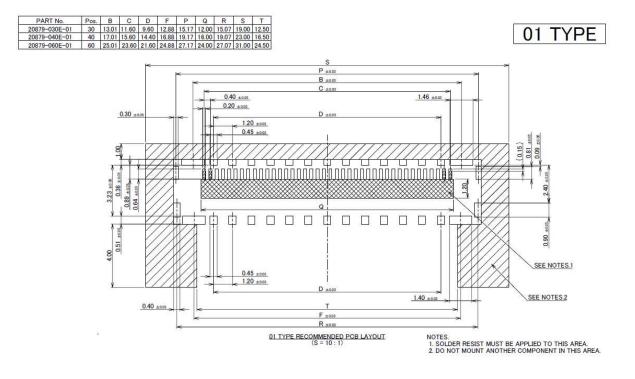








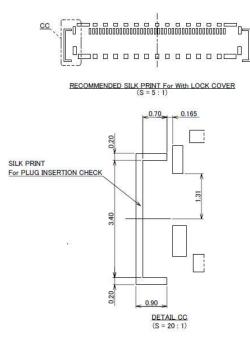
Rev.10

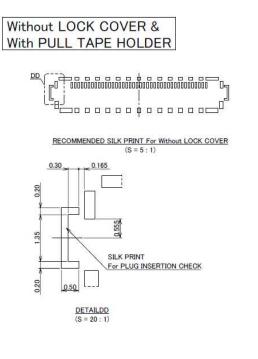


| PART No.      | Pos |
|---------------|-----|
| 20879-030E-01 | 30  |
| 20879-040E-01 | 40  |
| 20879-060E-01 | 60  |

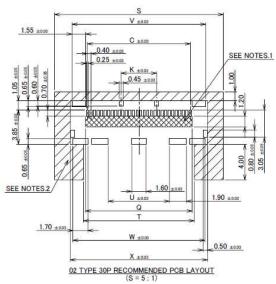
#### 01 TYPE

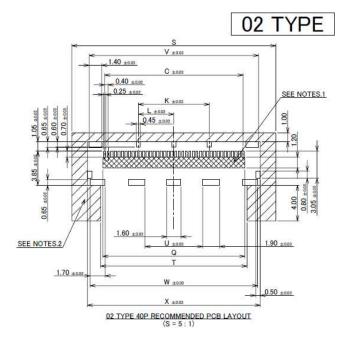
#### With LOCK COVER







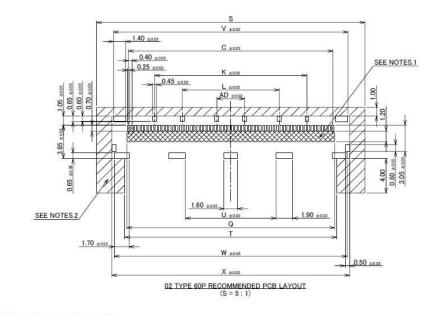




NOTES. 1. SOLDER RESIST MUST BE APPLIED TO THIS AREA. 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

| PART No.      | Pos. | C     | K     | L     | Q     | S     | Т     | U     | V     | W     | X     | AD   |
|---------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 20879-030E-02 | 30   | 11.60 | 4.00  | 1 H 1 | 12.00 | 19.00 | 12.50 | 6.89  | 15.07 | 14.89 | 15.47 | -    |
| 20879-040E-02 | 40   | 15.60 | 8.00  | 4.00  | 16.00 | 23.00 | 16.50 | 6.50  | 19.07 | 18.89 | 19.47 |      |
| 20879-060E-02 | 60   | 23.60 | 17.60 | 11.20 | 24.00 | 31.00 | 24.50 | 10.50 | 27.07 | 26.89 | 27.47 | 3.20 |



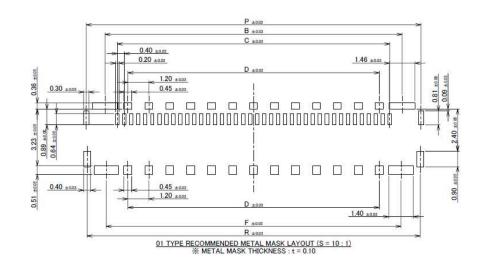


NOTES. 1. SOLDER RESIST MUST BE APPLIED TO THIS AREA. 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

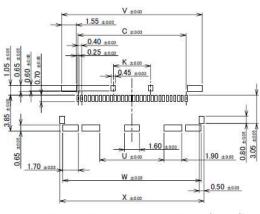
Rev.10

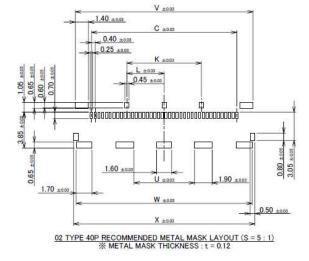
01 TYPE

| PART No.      | Pos. | В     | С     | D     | F     | P     | R     |
|---------------|------|-------|-------|-------|-------|-------|-------|
| 20879-030E-01 | 30   | 13.01 | 11.60 | 9.60  | 12.88 | 15.17 | 15.07 |
| 20879-040E-01 | 40   | 17.01 | 15.60 | 14.40 | 16.88 | 19.17 | 19.07 |
| 20879-060E-01 | 60   | 25.01 | 23.60 | 21.60 | 24.88 | 27.17 | 27.07 |



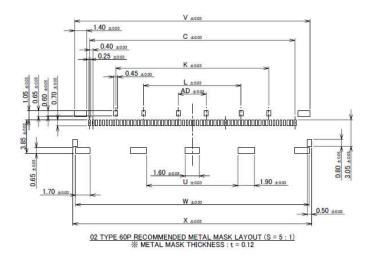
| PART No.      | Pos. | С     | K     | L     | U     | V     | W     | Х     |
|---------------|------|-------|-------|-------|-------|-------|-------|-------|
| 20879-030E-02 | 30   | 11.60 | 4.00  | -     | 6.89  | 15.07 | 14.89 | 15.47 |
| 20879-040E-02 | 40   | 15.60 | 8.00  | 4.00  | 6.50  | 19.07 | 18.89 | 19.47 |
| 20879-060E-02 | 60   | 23.60 | 17.60 | 11.20 | 10.50 | 27.07 | 26.89 | 27.47 |





**02 TYPE** 

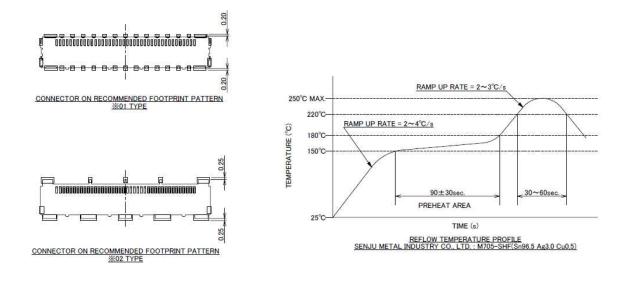
| PART No.      | Pos. | C     | к     | L     | U     | V     | W     | Х     | AD   |
|---------------|------|-------|-------|-------|-------|-------|-------|-------|------|
| 20879-030E-02 | 30   | 11.60 | 4.00  |       | 6.89  | 15.07 | 14.89 | 15.47 | -    |
| 20879-040E-02 | 40   | 15.60 | 8.00  | 4.00  | 6.50  | 19.07 | 18.89 | 19.47 |      |
| 20879-060E-02 | 60   | 23.60 | 17.60 | 11.20 | 10.50 | 27.07 | 26.89 | 27.47 | 3.20 |



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02 TYPE



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| ITEMS                                 | SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICABLE CABLE                      | MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36<br>DISCRETE : AWG# 36 , 34<br>TWINCOAX : AWG# 40 , 42                                                                                                                                                                                                                                                                                                                                                                    |
| RATING VOLTAGE                        | 100V AC (PER CONTACT PIN)                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RATING AMPERAGE (FOR CONTACT)         | 0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 60 CONTACTS<br>0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 49 CONTACTS<br>0.3A AC/DC [AWG#30] PER CONTACT PIN/UP TO 38 CONTACTS<br>0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 38 CONTACTS<br>0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 12 CONTACTS<br>1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 12 CONTACTS<br>3% TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE<br>TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION. |
| OPERATING TEMPERATURE                 | 233~378K(-40°C~+105°C)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OPERATING HUMIDITY                    | 85% MAX.(NON-CONDENSING)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CONTACT RESISTANCE                    | INITIAL : 180mohm MAX.(AWG#34) / AFTER TEST : <u>/</u> 40mohm MAX.<br>275mohm MAX.(AWG#36)<br>360mohm MAX.(AWG#38)<br>600mohm MAX.(AWG#40)<br>700mohm MAX.(AWG#42)<br>1080mohm MAX.(AWG#44)                                                                                                                                                                                                                                                                       |
| GROUND SHELL RESISTANCE               | INITIAL : 50mohm MAX. / AFTER TEST : 240mohm MAX.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| INSULATION RESISTANCE                 | INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.                                                                                                                                                                                                                                                                                                                                                                                                               |
| DIELECTRIC WITHSTANDING VOLTAGE       | AC250V 1min                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DURABILITY                            | 30 CYCLES                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MATING FORCE (INITIAL / AFTER TEST)   | 30P : 34.00N MAX. 60P : 52.00N MAX.<br>40P : 40.00N MAX.                                                                                                                                                                                                                                                                                                                                                                                                          |
| UNMATING FORCE (INITIAL / AFTER TEST) | 30P : 3.0N MIN. 60P : 6.0N MAX.<br>40P : 4.0N MIN.                                                                                                                                                                                                                                                                                                                                                                                                                |
| CABLE RETENTION FORCE                 | 30P : 14.70N MIN. 60P : 29.40N MAX.<br>40P : 19.60N MIN.                                                                                                                                                                                                                                                                                                                                                                                                          |
| COPLANARITY                           | 0.10 MAX.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PRODUCT SPECIFICATION                 | PRS-2514                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| TEST REPORT                           | TR-18067 (RECEPTACLE:20879-0**E-01)<br>TR-18088 (RECEPTACLE:20879-0**E-02)                                                                                                                                                                                                                                                                                                                                                                                        |
| PACKING STANDARD                      | PST-18043                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| INSTRUCTION MANUAL                    | HIM-18033                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ASSEMBLY MANUAL                       | ASM-18003                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| APPEARANCE CRITERIA No.               | QLS-A***                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



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> Contact your sales representative or more detailed information.

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