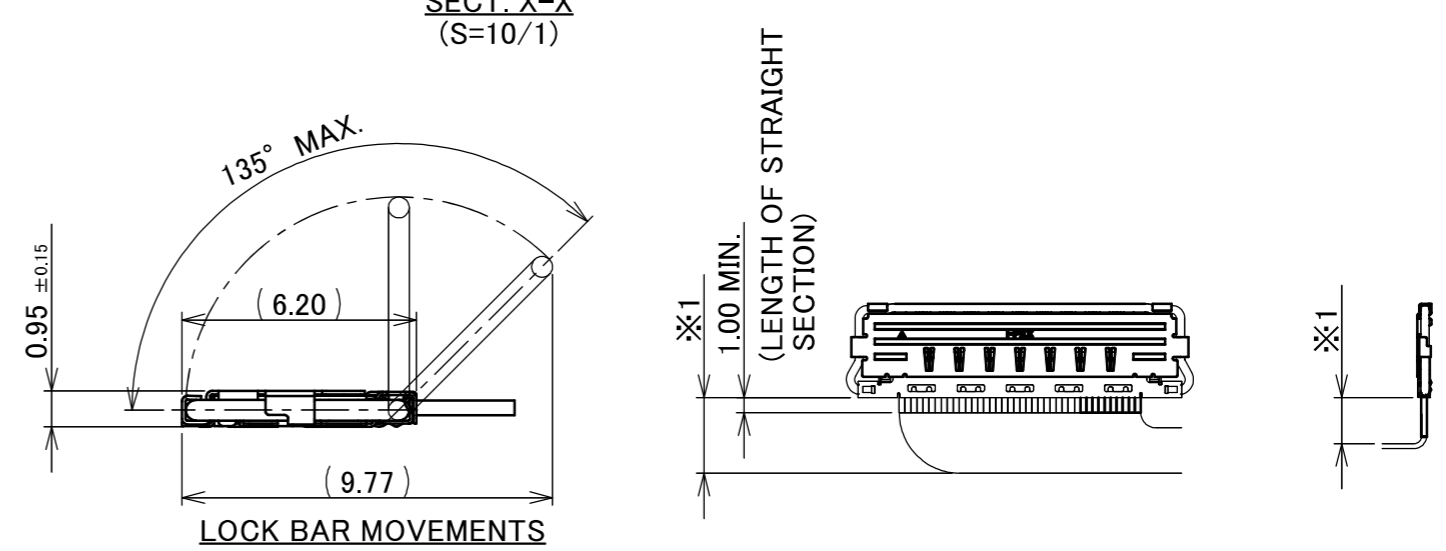
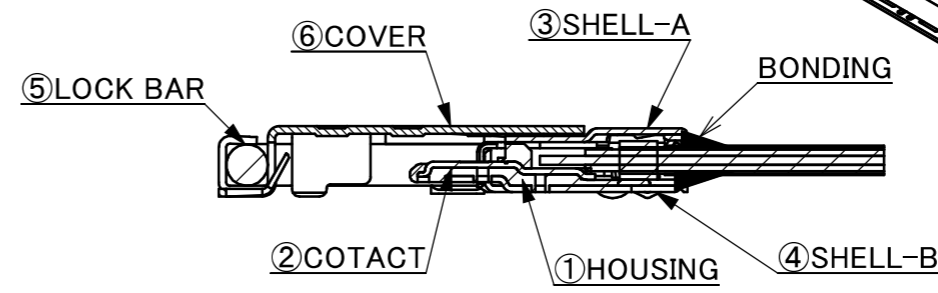
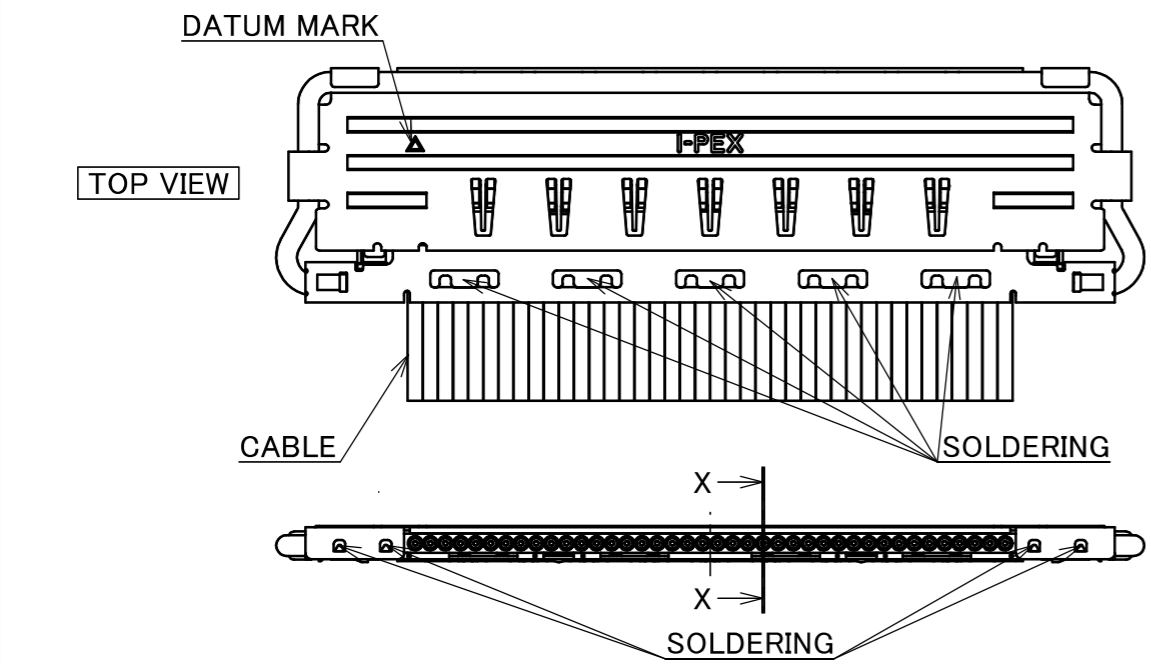
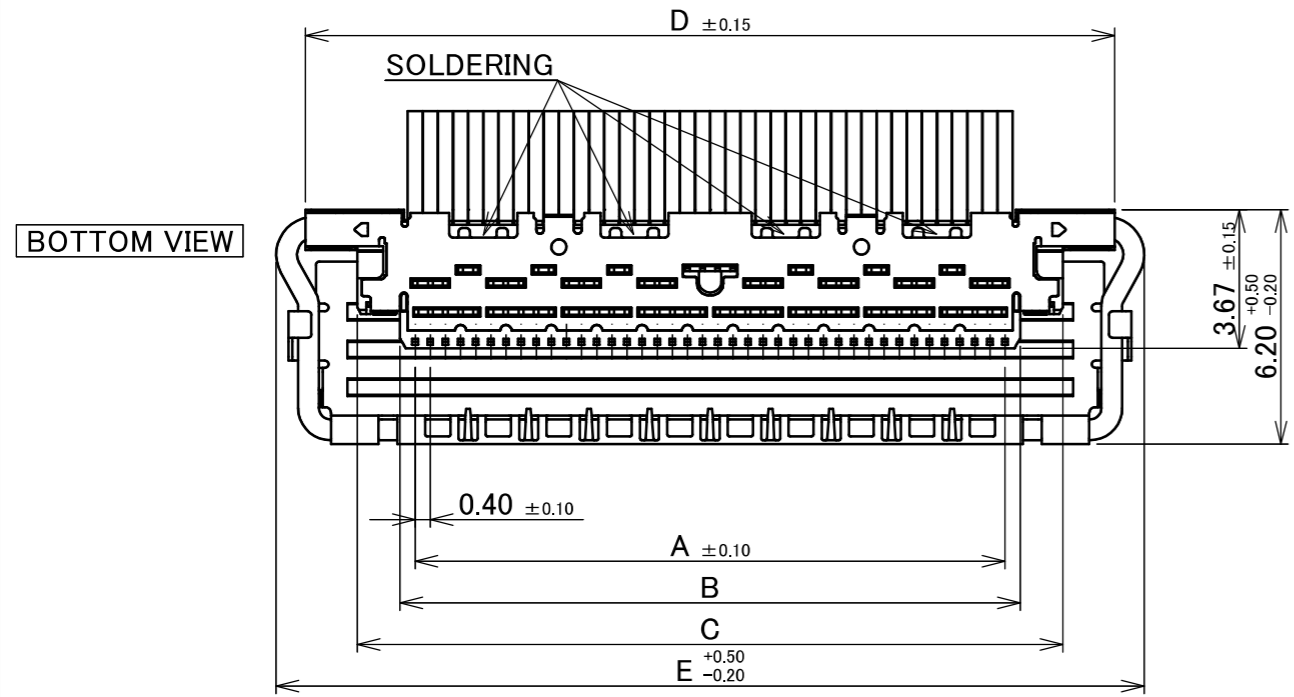
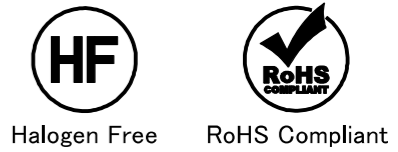


Recommended P/N 20679-0\*\*T-01

| PART NO.      | Pos. | A     | B     | C     | D     | E     |
|---------------|------|-------|-------|-------|-------|-------|
| 20679-020T-01 | 20   | 7.60  | 8.40  | 10.66 | 13.40 | 14.95 |
| 20679-030T-01 | 30   | 11.60 | 12.40 | 14.66 | 17.40 | 18.95 |
| 20679-040T-01 | 40   | 15.60 | 16.40 | 18.66 | 21.40 | 22.95 |
| 20679-050T-01 | 50   | 19.60 | 20.40 | 22.66 | 25.40 | 26.95 |



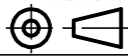
※1 : THE BEND DIMENSIONS MAY VARY BASED ON THE SIZE AND QUANTITY OF CABLES. PLEASE CONFIRM THE MINIMUM BENDING RADIUS WITH I-PEX OR THE HARNESS MANUFACTURER.

| NO. | DISCRIPTION | MATERIAL        | FINISH , REMARKS   |
|-----|-------------|-----------------|--|
| 6   | COVER       | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μ m MIN.  |
| 5   | LOCK BAR    | SUS             | -  |
| 4   | SHELL-B     | PHOSPHOR BRONZE | PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.                          |
| 3   | SHELL-A     | PHOSPHOR BRONZE | PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.                          |
| 2   | CONTACT     | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μ m MIN.<br>CONTACT & SOLDERING AREA : Au 0.03 μ m MIN. |
| 1   | HOUSING     | LCP             | UL94V-0 ,BLACK   |

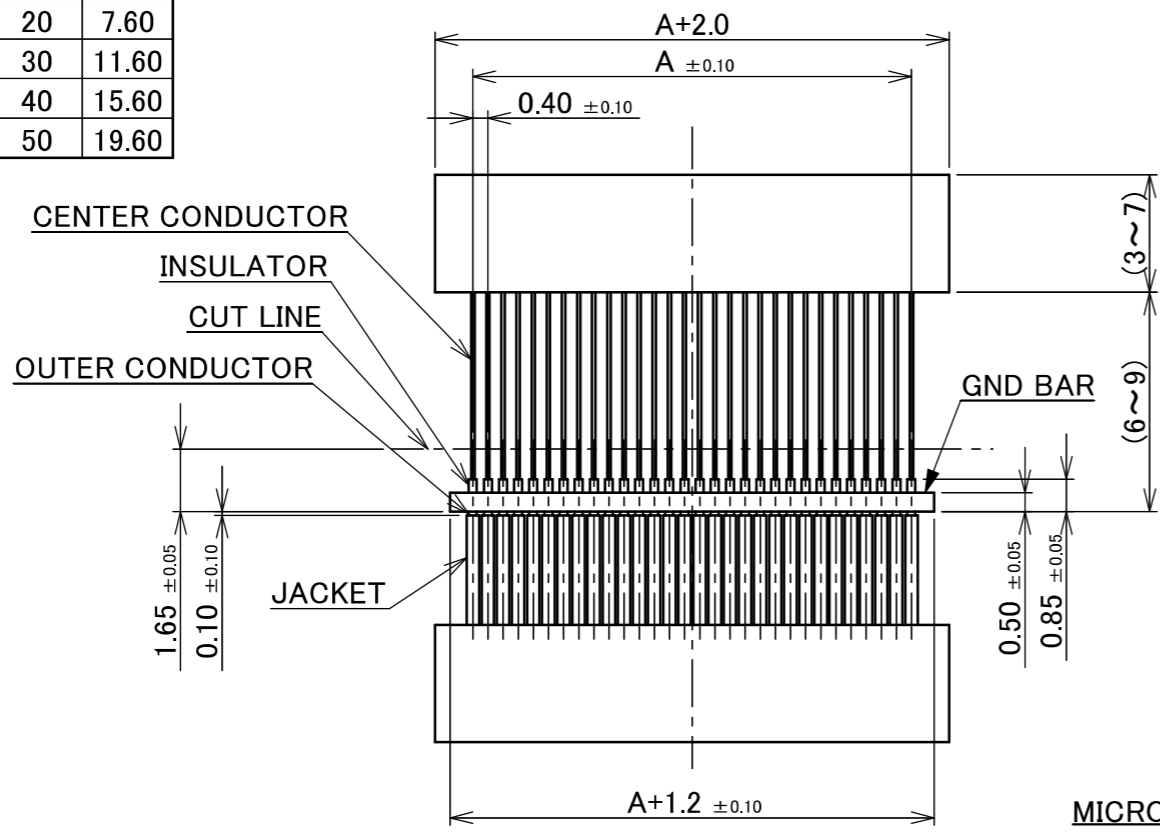
| REV.            | ECN     | BY     | DATE         | APP. | APP.               | DWG. No.              | SERIES No.   | SCALE | SHEET | REV.  |
|-----------------|---------|--------|--------------|------|--------------------|-----------------------|--|-------|-------|-------|
| 13              | Z250425 | K.Hara | Mar./13/'25  | H.I  | ANGLE ±2°          | 6 OVER 30 MAX. ±0.3   | R1R1R2   | 5:1   | A3    | 13    |
| 12              | Z241435 | T.T    | Oct./16/'24  | H.I  | 6 MAX. ±0.2        | 30 OVER 120 MAX. ±0.5 |  |       |       |       |
| 11              | Z241336 | K.Hara | Sept./27/'24 | H.I  | GENERAL TOLERANCE. |                       | TITLE<br>CABLINER® -CA II PLUG<br>FOR CABLE ASSEMBLY | mm    | 1/3   | I-PEX |
| 10              | Z241093 | K.Hara | Aug./20/'24  | H.I  | DWG. T.Masunaga    | DATE 2015/03/24       |  |       |       |       |
| 9               | Z240029 | K.Hara | Jan./12/'24  | H.I  | CHK. J.Tateishi    |                       |  |       |       |       |
| 8               | Z230042 | K.B    | Jan./13/'23  | H.I  | APP. E.Kawabe      |                       |  |       |       |       |
| REVISION RECORD |         |        |              |      |                    | 20679                 |  |       |       |       |

**PATENT REGISTERED**

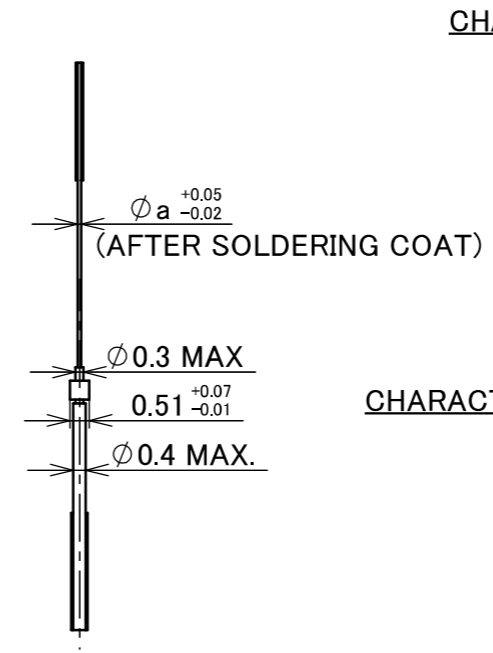
| ITEMS                                       | SPECIFICATION   |
|---|---|
| APPLICABLE CABLE                            | MICRO-COAXIAL CABLE : AWG# 44 , 42 , 40 , 38 , 36<br>DISCRETE WIRE : AWG# 36 , 34<br>TWINAX CABLE : AWG# 40 , 42  |
| RATING VOLTAGE                              | 100V AC (PER CONTACT PIN)<br>※THIS IS THE RATED VOLTAGE OF THE CONNECTOR.<br>PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.   |
| RATING AMPERAGE (FOR CONTACT)               | 0.1A AC/DC [AWG#44] PER CONTACT PIN/UP TO 50 CONTACTS<br>0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 50 CONTACTS<br>0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 50 CONTACTS<br>0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 18 CONTACTS<br>0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 6 CONTACTS<br>1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 6 CONTACTS<br>※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE<br>MAY AFFECTED BY ACTUAL SITUATION |
| OPERATING TEMPERATURE                       | 248~378K(-40°C~105°C)   |
| OPERATING HUMIDITY                          | 85% MAX.(NON-CONDENDING)  |
| CONTACT RESISTANCE                          | INITIAL : 180mohm MAX.(AWG#34) / AFTER TEST : $\triangle$ 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 : $\triangle$ 40mohm MAX.  |
| INSULATION RESISTANCE                       | INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.   |
| DIELECTRIC WITHSTANDING VOLTAGE             | AC250V 1min   |
| DURABILITY                                  | 30 CYCLES   |
| MATING FORCE (INITIAL / AFTER 30 CYCLES)    | 20P : 9.70N MAX.<br>30P : 14.55N MAX.<br>40P : 19.40N MAX.<br>50P : 24.25N MAX.   |
| UN-MATING FORCE (INITIAL / AFTER 30 CYCLES) | 20P : 2.0N MIN.<br>30P : 3.0N MIN.<br>40P : 4.0N MIN.<br>50P : 5.0N MIN.  |
| CABLE RETENTION FORCE                       | 20P : 9.80N MIN.<br>30P : 14.70N MIN.<br>40P : 19.60N MIN.<br>50P : 24.50N MIN.   |
| PRODUCT SPECIFICATION                       | PRS-2163  |
| TEST REPORT                                 | TR-15103  |
| INSTRUCTION MANUAL                          | HIM-15033   |
| ASSEMBLY MANUAL                             | ASM-15005   |
| APPEARANCE CRITERIA NO.                     | QLS-A***  |

|                    |               |                |                  |   |                      |               |       |      |
|--------------------|---------------|----------------|------------------|---|----------------------|---------------|-------|------|
| ANGLE              | $\pm 2^\circ$ | 6 OVER 30 MAX. | $\pm 0.3$        | PROJECTION<br> | SERIES No.<br>R1R1R2 | CUSTOMER COPY |       |      |
|                    | 6 MAX.        | $\pm 0.2$      | 30 OVER 120 MAX. |   |                      |               |       |      |
| GENERAL TOLERANCE. |               |                |                  | TITLE<br>CABLIN <sup>®</sup> -CA II PLUG<br>FOR CABLE ASSEMBLY                                      | SCALE                | <b>I-PEX</b>  |       |      |
| DWG.               | DATE          |                |                  |   | -                    |               |       |      |
| CHK.               |               |                |                  |   | UNIT                 |               |       |      |
| APP.               |               |                |                  |   | mm                   |               |       |      |
|                    |               |                |                  | DWG. No.  | 20679                | SIZE          | SHEET | REV. |
|                    |               |                |                  |   | A3                   | 2/3           | 13    |      |

| PART NO.      | Pos. | A     |
|---------------|------|-------|
| 20679-020T-01 | 20   | 7.60  |
| 20679-030T-01 | 30   | 11.60 |
| 20679-040T-01 | 40   | 15.60 |
| 20679-050T-01 | 50   | 19.60 |



RECOMMENDED MICRO-COAXIAL CABLE DIM.



MICRO-COAXIAL CABLE AWG#\*\*

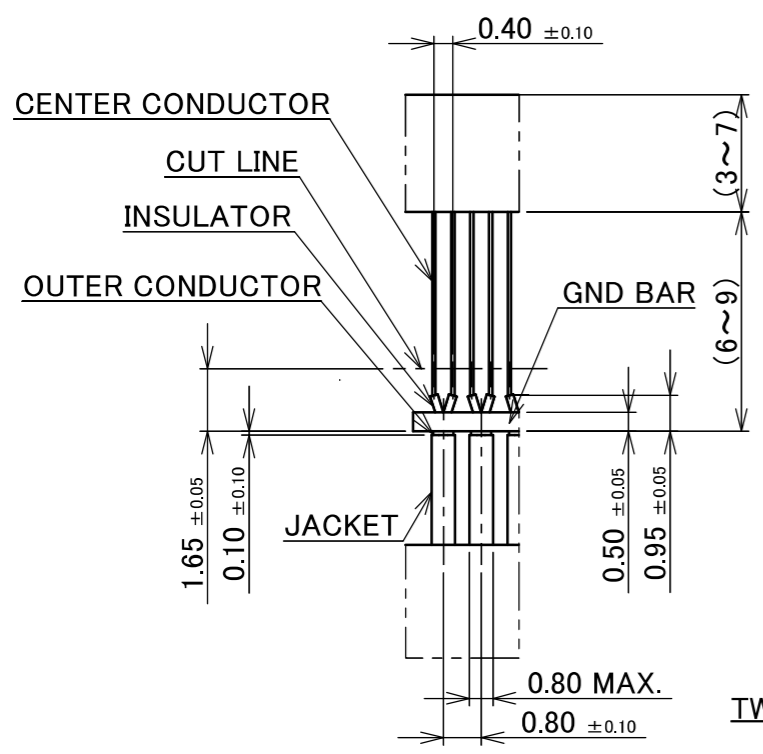
CHARACTERISTIC IMPEDANCE MATCHING MICRO-COAXIAL CABLE

|     | a     |
|-----|-------|
| #38 | 0.12  |
| #40 | 0.09  |
| #42 | 0.075 |
| #44 | 0.063 |

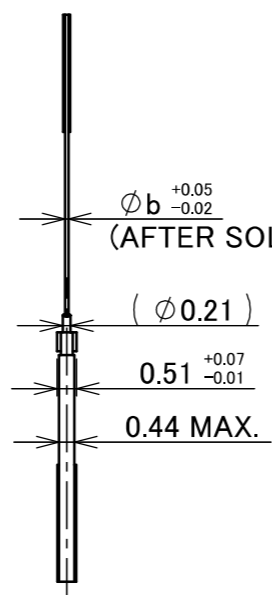
CHARACTERISTIC IMPEDANCE UN-MATCHING MICRO-COAXIAL CABLE

|     | a    |
|-----|------|
| #36 | 0.15 |

MICRO-COAXIAL CABLE #36 : NOT RECOMMENDED FOR HIGH SPEED SIGNAL TRANSFER



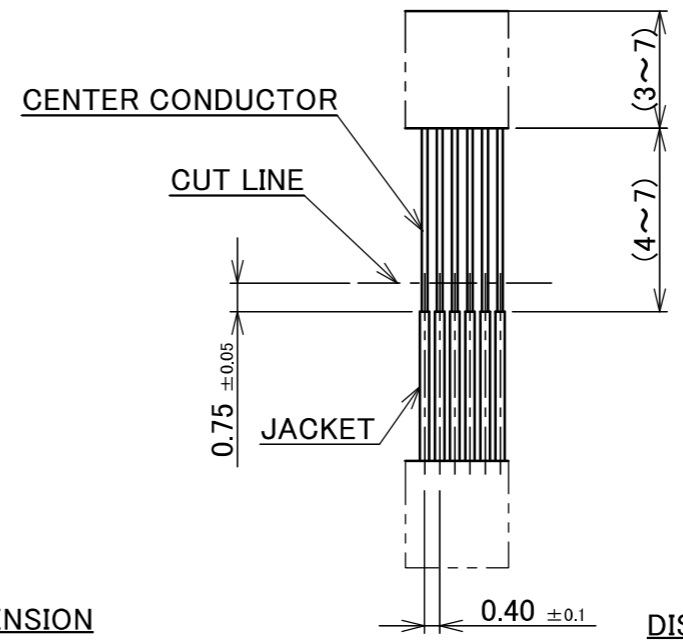
RECOMMENDED TWINAX CABLE DIM.



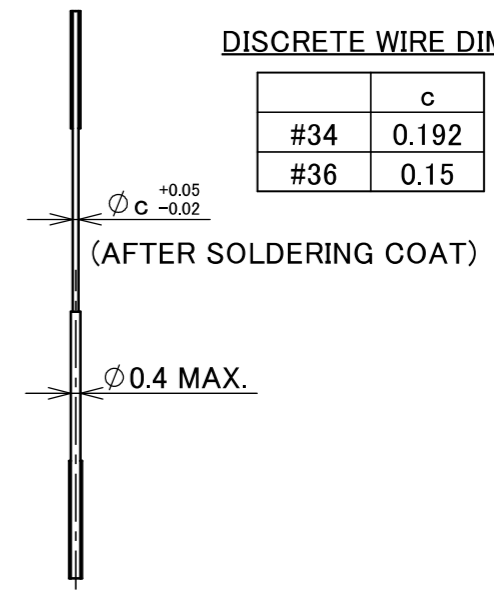
TWINAX CABLE DIMENSION

|     | b     |
|-----|-------|
| #40 | 0.09  |
| #42 | 0.075 |

TWINAX CABLE AWG#\*\*



RECOMMENDED DISCRETE WIRE DIM.



DISCRETE WIRE AWG#\*\*

DISCRETE WIRE DIMENSION

|     | c     |
|-----|-------|
| #34 | 0.192 |
| #36 | 0.15  |

|                    |      |                  |      |  |                            |               |              |            |
|--------------------|------|------------------|------|--|----------------------------|---------------|--------------|------------|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | PROJECTION<br>⊕  | SERIES No.<br>R1R1R2       | CUSTOMER COPY |              |            |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |  |                            |               |              |            |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>CABLIN <sup>®</sup> -CA II PLUG<br>FOR CABLE ASSEMBLY | SCALE<br>5:1<br>UNIT<br>mm | I-PEX         |              |            |
| DWG.               | DATE |                  |      |  |                            |               |              |            |
| CHK.               |      |                  |      |  |                            |               |              |            |
| APP.               |      |                  |      |  |                            |               |              |            |
|                    |      |                  |      | DWG. No.   | 20679                      | SIZE<br>A3    | SHEET<br>3/3 | REV.<br>13 |