

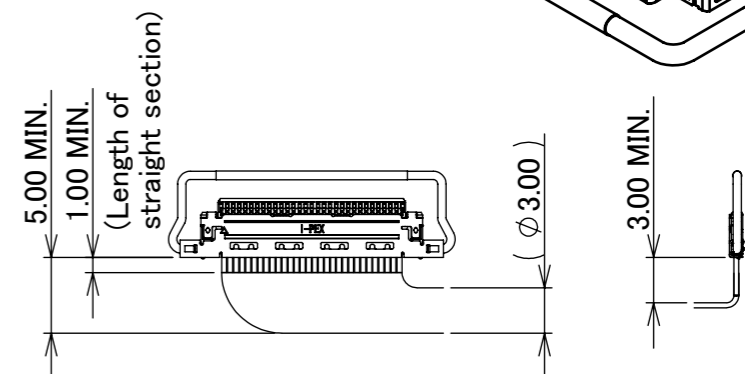
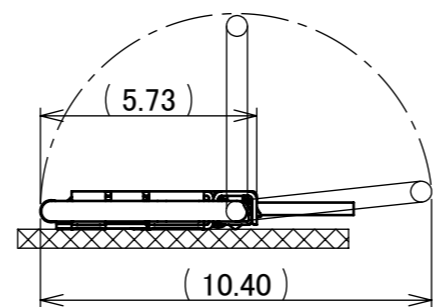
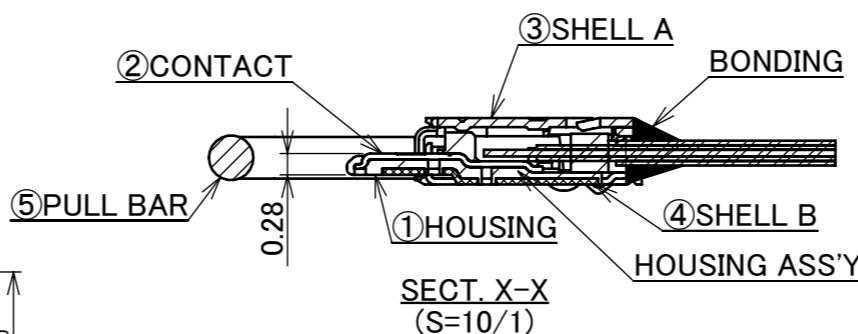
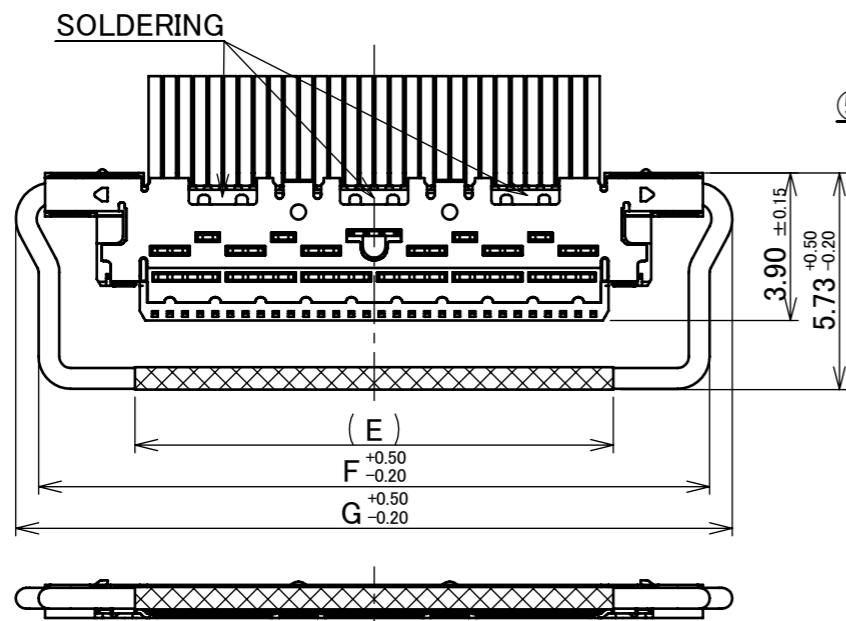
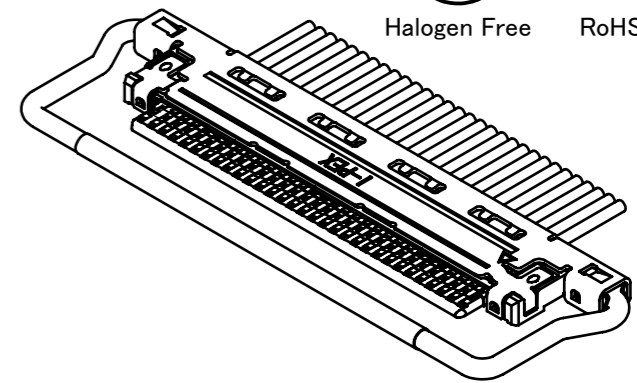
Recommended P/N 20633-2**T-01S(12~60P) 20633-310T-01S(10P)

| PART NO. | POS. | A | B | C | D | E | F | G |
|----------------|------|-------|-------|-------|-------|-------|-------|-------|
| 20633-#10T-01S | 10 | 3.60 | 4.40 | 6.66 | 9.40 | 4.65 | 9.75 | 10.95 |
| 20633-#12T-01S | 12 | 4.40 | 5.20 | 7.46 | 10.20 | 5.45 | 10.55 | 11.75 |
| 20633-#20T-01S | 20 | 7.60 | 8.40 | 10.66 | 13.40 | 8.65 | 13.75 | 14.95 |
| 20633-#30T-01S | 30 | 11.60 | 12.40 | 14.66 | 17.40 | 12.65 | 17.75 | 18.95 |
| 20633-#40T-01S | 40 | 15.60 | 16.40 | 18.66 | 21.40 | 16.65 | 21.75 | 22.95 |
| 20633-#50T-01S | 50 | 19.60 | 20.40 | 22.66 | 25.40 | 20.65 | 25.75 | 26.95 |
| 20633-#60T-01S | 60 | 23.60 | 24.40 | 26.66 | 29.40 | 24.65 | 29.75 | 30.95 |

P/N : 20633-#**T-0#S

1 : WITH PULL BAR
2 : WITHOUT PULL BAR
Pos.
SEE TABLE.1

WITH PULL BAR



| PART NO. | CABLE ASS'Y PART NO. | HOUSING ASS'Y PART NO. | SHELL A PART NO. | PULL BAR PART NO. |
|----------|----------------------|------------------------|------------------|-------------------|
| | 20633-2**T-01S | 20634-1**T-02 | 2764-0**1-002 | 2766-0**1 |
| | 20633-3**T-01S | 20634-2**T-02 | 2764-0**1-003 | |

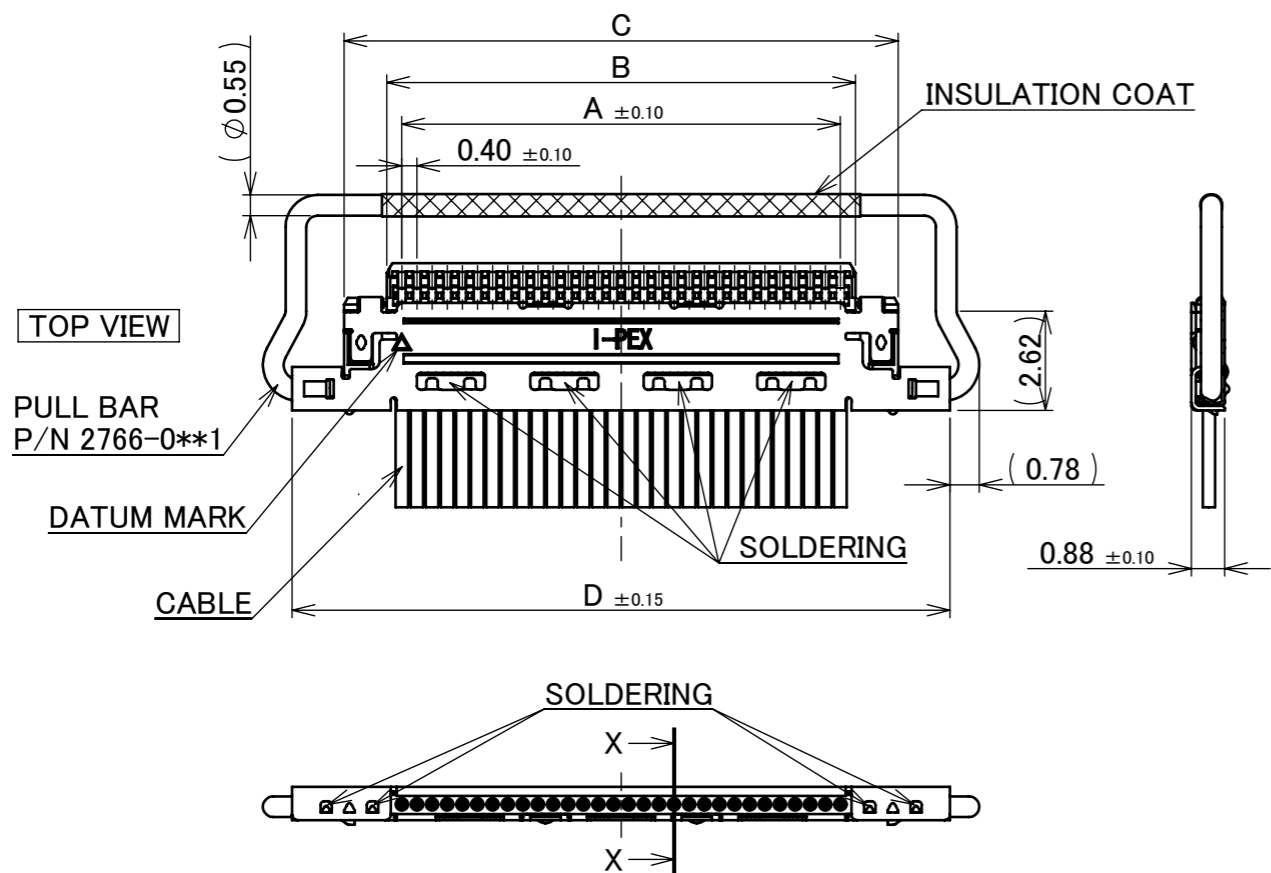


TABLE.1

| PART NO. | CONTACT FINISH | SHELL A FINISH | SHELL B FINISH |
|----------------|--|--|--|
| 20633-2**T-0#S | CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. | TOP SIDE Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE Ni 1.00 μm MIN.(THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY) | TOP SIDE Ni 1.00 μm MIN.(THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY) BOTTOM SIDE Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. |
| 20633-3**T-0#S | CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. | PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN. | PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN. |

| NO. | DISCRIPTION | MATERIAL | FINISH , REMARKS |
|-----|-------------|-----------------|-------------------|
| 5 | PULL BAR | SUS | |
| 4 | SHELL B | PHOSPHOR BRONZE | SEE ABOVE TABLE.1 |
| 3 | SHELL A | PHOSPHOR BRONZE | SEE ABOVE TABLE.1 |
| 2 | CONTACT | PHOSPHOR BRONZE | SEE ABOVE TABLE.1 |
| 1 | HOUSING | LCP | UL94V-0, BLACK |

| REV. | ECN | BY | DATE | APP. | APP. | PROJECTION | SERIES No. | TITLE | SCALE | CUSTOMER COPY |
|-----------------|---------|--------|-------------|------|-----------------------------------|------------|------------|---------------------------------------|-----------|---------------|
| 11 | Z230040 | K.B | Jan./13/'23 | H.I | ANGLE ±2° 6 OVER 30 MAX. ±0.3 | PROJECTION | R1R4R1 | CABLINER® -CA PLUG FOR CABLE ASSEMBLY | 5:1 | CUSTOMER COPY |
| 10 | Z220247 | TSU | Mar./08/'22 | H.I | 6 MAX. ±0.2 30 OVER 120 MAX. ±0.5 | | | | | |
| 9 | Z210833 | M.N | July/26/'21 | H.I | GENERAL TOLERANCE. | | | | | |
| 8 | Z181387 | K.Hara | Oct./26/'18 | Y.S | DWG. H.Mashima DATE 2014/08/11 | | | | | |
| 7 | Z181125 | M.N | Aug./29/'18 | Y.S | CHK. J.Tateishi | | | | | |
| 6 | Z180930 | M.N | July/17/'18 | H.I | APP. E.Kawabe | | | | | |
| REV. | ECN | BY | DATE | APP. | APP. | DWG. No. | 20633 | | mm | |
| REVISION RECORD | | | | | | | | | A3 | |
| | | | | | | | | | SHEET 1/5 | REV. 11 |

PATENT REGISTERED

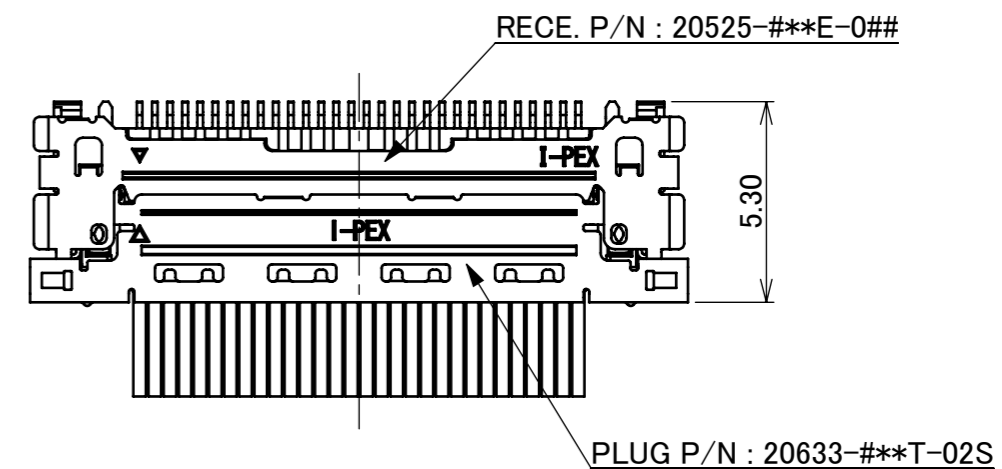
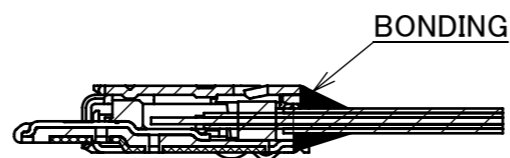
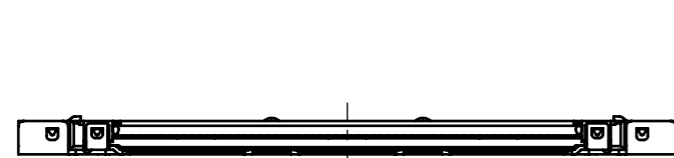
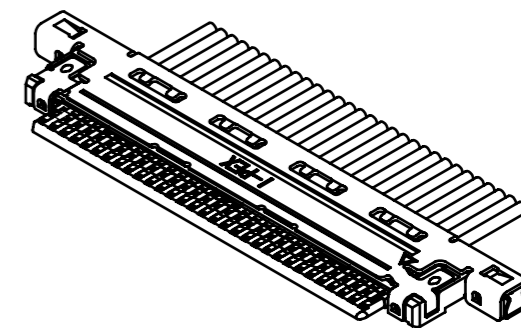
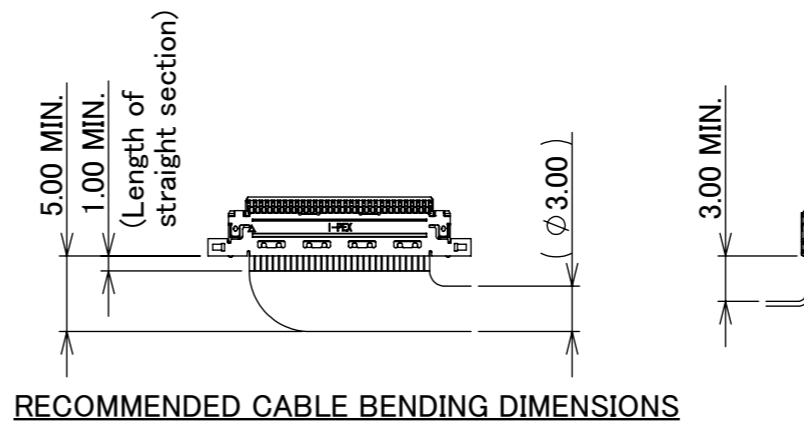
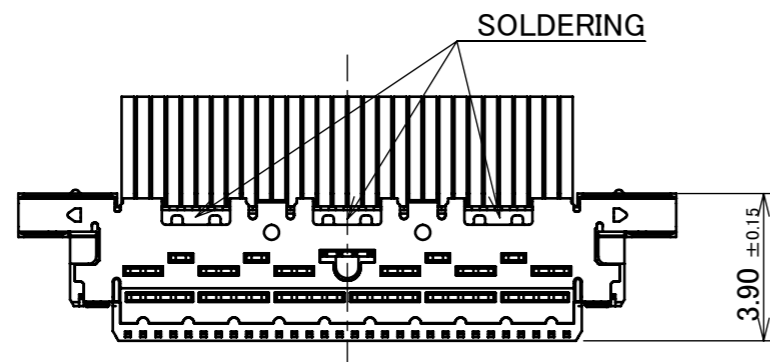
Recommended P/N 20633-2**T-01S(12~60P) 20633-310T-01S(10P)

| PART NO. | POS. | A | B | C | D |
|----------------|------|-------|-------|-------|-------|
| 20633-#10T-02S | 10 | 3.60 | 4.40 | 6.66 | 9.40 |
| 20633-#12T-02S | 12 | 4.40 | 5.20 | 7.46 | 10.20 |
| 20633-#20T-02S | 20 | 7.60 | 8.40 | 10.66 | 13.40 |
| 20633-#30T-02S | 30 | 11.60 | 12.40 | 14.66 | 17.40 |
| 20633-#40T-02S | 40 | 15.60 | 16.40 | 18.66 | 21.40 |
| 20633-#50T-02S | 50 | 19.60 | 20.40 | 22.66 | 25.40 |
| 20633-#60T-02S | 60 | 23.60 | 24.40 | 26.66 | 29.40 |

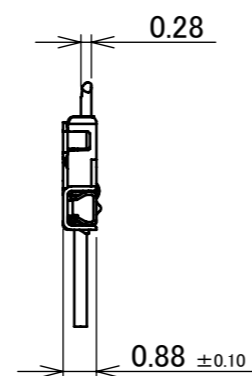
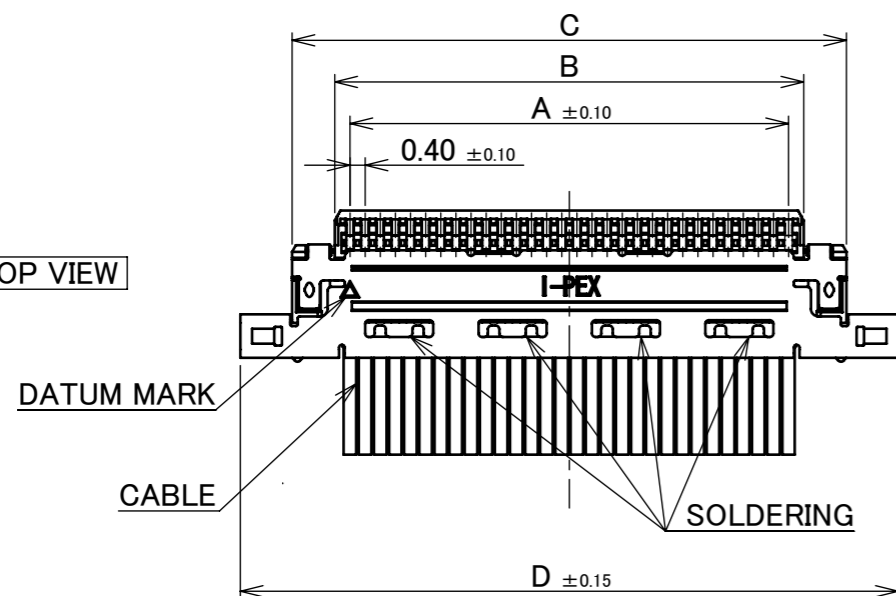
P/N : 20633-#**T-0#S
 1 : WITH PULL BAR
 2 : WITHOUT PULL BAR
 Pos.
 SEE TABLE.1 (SHEET1/5)

WITHOUT PULL BAR

BOTTOM VIEW



TOP VIEW



PART NO.

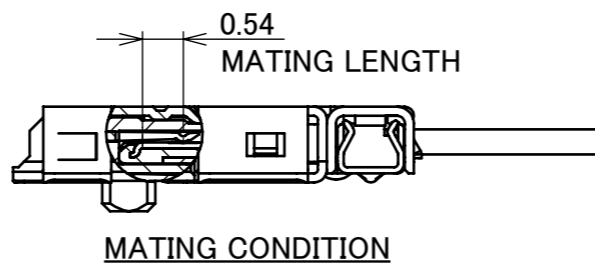
| CABLE ASS'Y PART NO. | HOUSING ASS'Y PART NO. | SHELL-A PART NO. | PULL BAR PART NO. |
|----------------------|------------------------|------------------|-------------------|
| 20633-2**T-02S | 20634-1**T-02 | 2764-0**1-002 | - |
| 20633-3**T-02S | 20634-2**T-02 | 2764-0**1-003 | - |

DATUM MARK

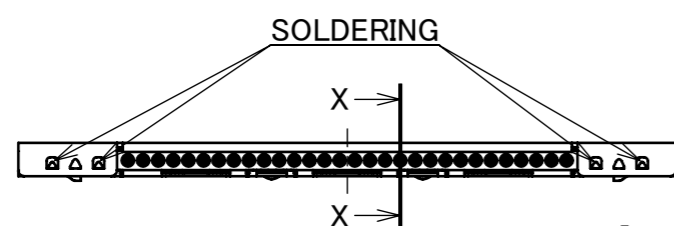
CABLE

SOLDERING

0.54 MATING LENGTH



MATING CONDITION



SOLDERING

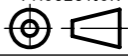
X

X

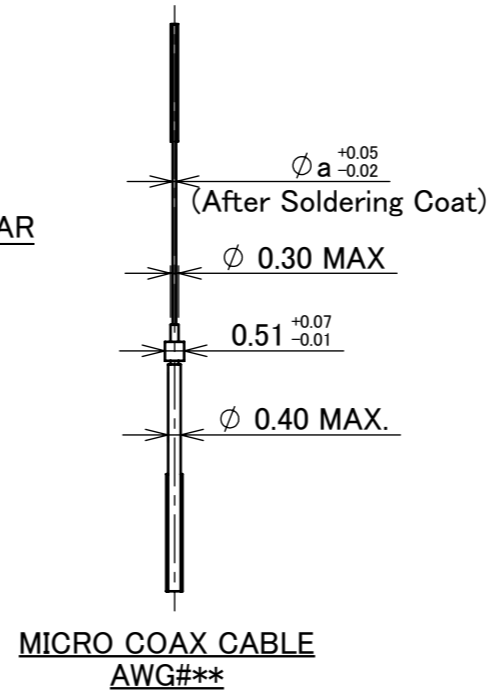
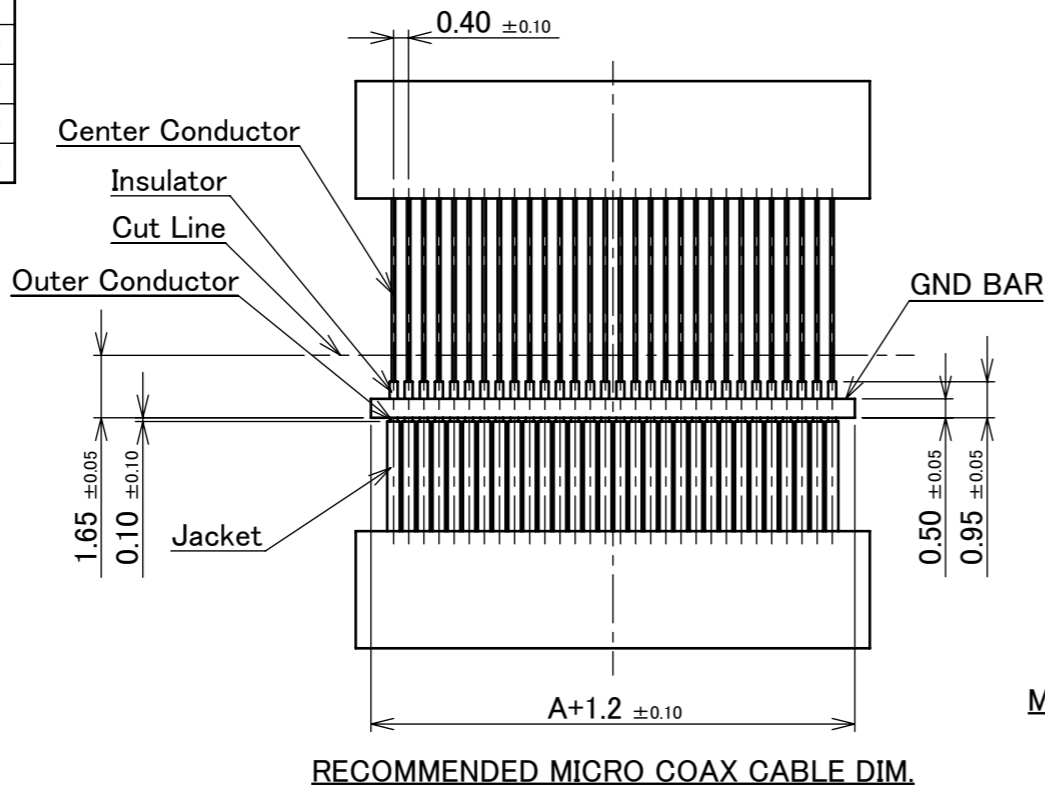
| | | | | | | | | |
|--------------------|------|------------------|------|--|----------------------------|---------------|--------------|------------|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION ⊕ | SERIES No. R1R4R1 | CUSTOMER COPY | | |
| 6 MAX. | ±0.2 | 30 OVER 120 MAX. | ±0.5 | | | | | |
| GENERAL TOLERANCE. | | | | TITLE CABLINER [®] -CA PLUG FOR CABLE ASSEMBLY | SCALE 5:1 UNIT mm | I-PEX | | |
| DWG. | DATE | | | | | | | |
| CHK. | | | | | | | | |
| APP. | | | | | | | | |
| | | | | DWG. No. | 20633 | SIZE A3 | SHEET 2/5 | REV. 11 |

PATENT REGISTERED

| ITEMS | SPECIFICATION |
|--|---|
| APPLICABLE CABLE | MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE : AWG# 36, 34 TWINCOAX : AWG# 40 , 42 |
| RATING VOLTAGE | 100V AC (PER CONTACT PIN) |
| RATING AMPERAGE (FOR CONTACT) | 0.1A AC/DC [AWG#44] PER CONTACT PIN/UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 50 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 40 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 14 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 6 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 4 CONTACTS TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION. |
| OPERATING TEMPERATURE | 233~358K (-40°C~85°C) |
| OPERATING HUMIDITY | 85% MAX. (NON-CONDENDING) |
| CONTACT RESISTANCE | INITIAL : 180mohm MAX. (AWG#34) / AFTER TEST : \triangleleft 40mohm MAX. 275mohm MAX. (AWG#36) 360mohm MAX. (AWG#38) 600mohm MAX. (AWG#40) 700mohm MAX. (AWG#42) 1080mohm MAX. (AWG#44) |
| GROUND SHELL RESISTANCE | INITIAL : 50mohm MAX. / AFTER TEST : \triangleleft 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) | 10P : 7.80N MAX. 40P : 19.40N MAX. 12P : 8.20N MAX. 50P : 24.25N MAX. 20P : 9.70N MAX. 60P : 29.10N MAX. 30P : 14.55N MAX. |
| UNMATING FORCE (INITIAL / AFTER 30 CYCLES) | 10P : 1.00N MIN. 40P : 4.00N MIN. 12P : 1.20N MIN. 50P : 5.00N MIN. 20P : 2.00N MIN. 60P : 6.00N MIN. 30P : 3.00N MIN. |
| CABLE RETENTION FORCE | 10P : 4.90N MIN. 40P : 19.60N MIN. 12P : 5.88N MIN. 50P : 24.50N MIN. 20P : 9.80N MIN. 60P : 29.40N MIN. 30P : 14.70N MIN. |
| PRODUCT SPECIFICATION | PRS-1968 |
| TEST REPORT | TR-14122 (20525-0**E-0##) / TR-16023 (20525-2**E-0##) |
| INSTRUCTION MANUAL | HIM-09008 |
| ASSEMBLY MANUAL | ASM-09005 |
| APPEARANCE CRITERIA No. | QLS-A*** |

| | | | | | | | | | | | | |
|--------------------|---------------|----------------|------------------|---|---|---------------|-------|--------------|----|--|-------|------|
| ANGLE | $\pm 2^\circ$ | 6 OVER 30 MAX. | ± 0.3 | PROJECTION  | SERIES No. R1R4R1 | CUSTOMER COPY | | | | | | |
| | 6 MAX. | ± 0.2 | 30 OVER 120 MAX. | | | ± 0.5 | SCALE | I-PEX | | | | |
| GENERAL TOLERANCE. | | | | | | TITLE | UNIT | | | | | |
| DWG. | DATE | | | | CABLIN [®] -CA PLUG FOR CABLE ASSEMBLY | | mm | | | | | |
| CHK. | | | | | DWG. No. 20633 | | SIZE | | | | SHEET | REV. |
| APP. | | | | | | | A3 | 3/5 | 11 | | | |

| PART NO. | POS. | A |
|----------------|------|-------|
| 20633-#10T-0#S | 10 | 3.60 |
| 20633-#12T-0#S | 12 | 4.40 |
| 20633-#20T-0#S | 20 | 7.60 |
| 20633-#30T-0#S | 30 | 11.60 |
| 20633-#40T-0#S | 40 | 15.60 |
| 20633-#50T-0#S | 50 | 19.60 |
| 20633-#60T-0#S | 60 | 23.60 |



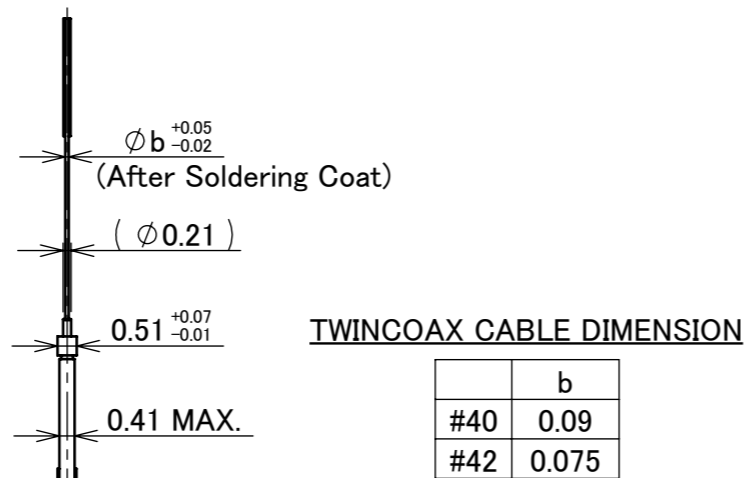
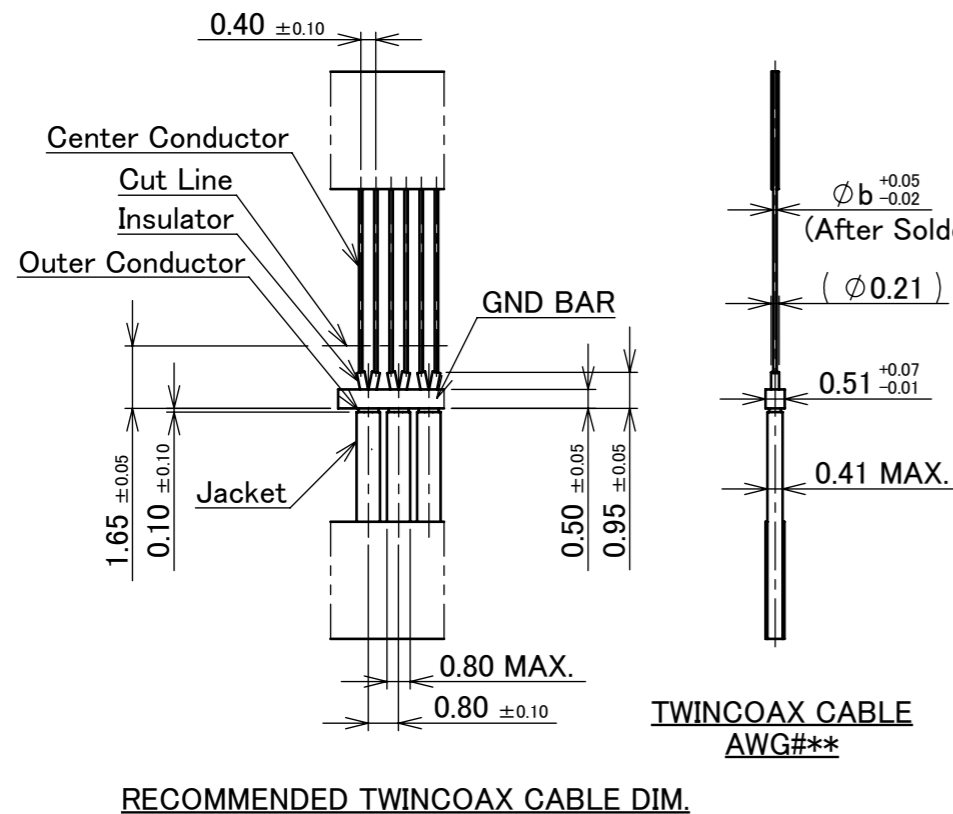
CHARACTERISTIC IMPEDANCE MATCHING MICRO COAX CABLE

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

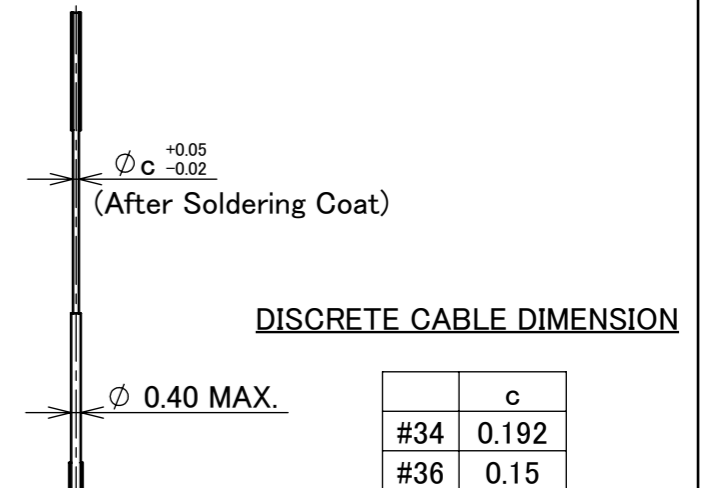
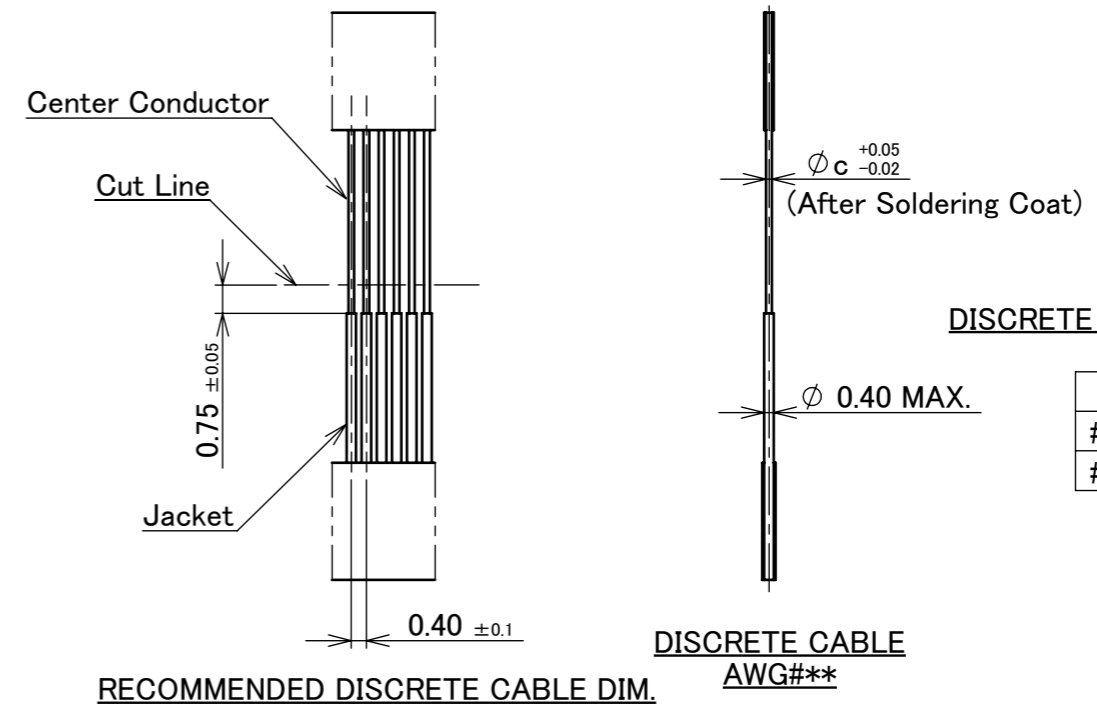
CHARACTERISTIC IMPEDANCE UN-MATCHING MICRO COAX CABLE

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

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



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

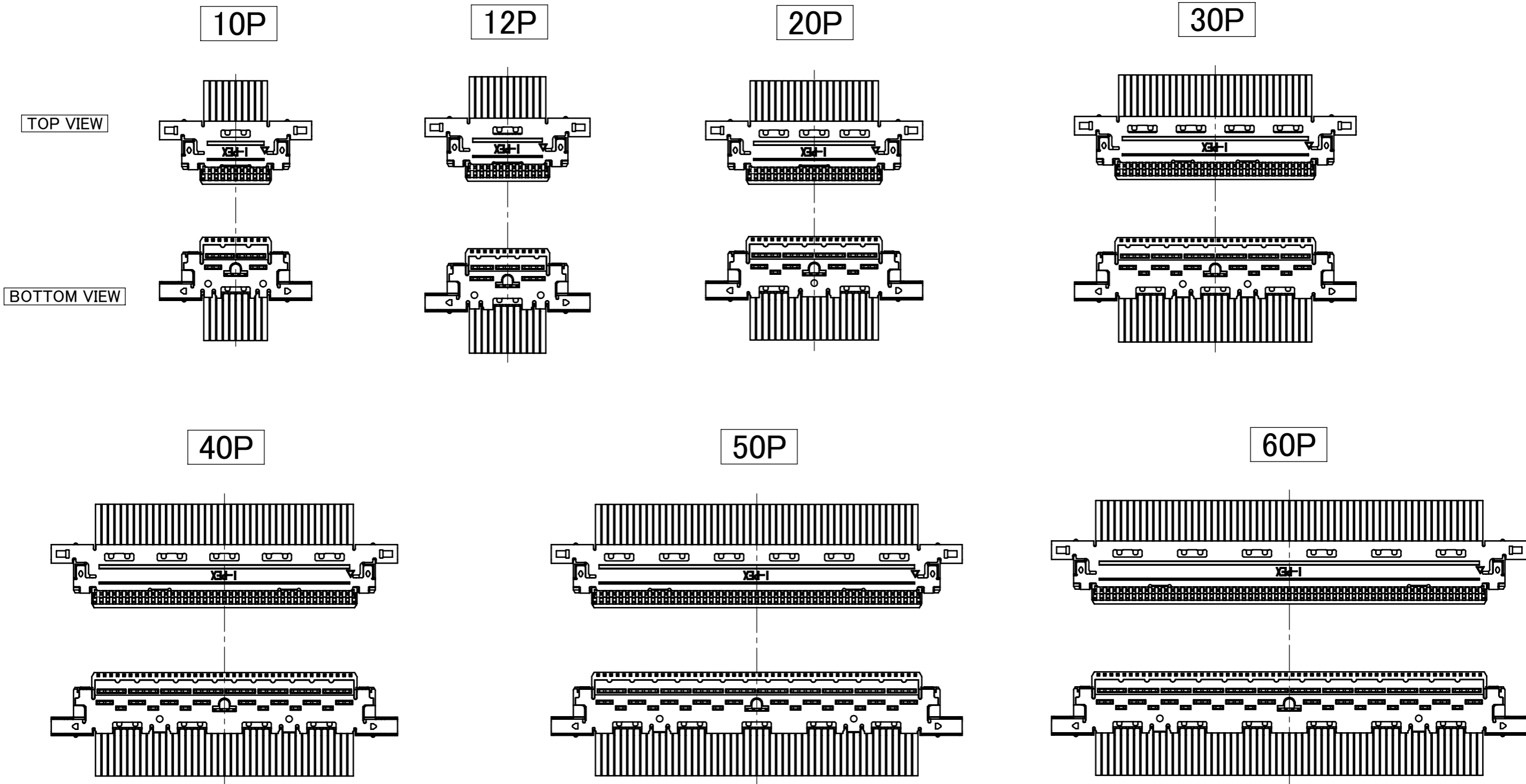


| | c |
|-----|-------|
| #34 | 0.192 |
| #36 | 0.15 |

| | | | | | | | | | |
|--------------------|--------|----------------|------------------|---|----------------------|---------------|-------|----|------|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION ⊕ | SERIES No. R1R4R1 | CUSTOMER COPY | | | |
| | 6 MAX. | ±0.2 | 30 OVER 120 MAX. | | | | | | ±0.5 |
| GENERAL TOLERANCE. | | | | TITLE | | SCALE | I-PEX | | |
| DWG. | DATE | | | CABLINER [®] -CA PLUG FOR CABLE ASSEMBLY | | 5:1 | | | |
| CHK. | | | | | | UNIT | | | |
| APP. | | | | | | mm | | | |
| | | | | DWG. No. | 20633 | SIZE | | | |
| | | | | | | A3 | 4/5 | 11 | |

PART NO.
20633-##*T-0#S

THE EXTERNAL APPEARANCE



| | | | | | | | | |
|--------------------|---------------|----------------|------------------|--|----------------------------|---------------|--------------|------------|
| ANGLE | $\pm 2^\circ$ | 6 OVER 30 MAX. | ± 0.3 | PROJECTION | SERIES No. R1R4R1 | CUSTOMER COPY | | |
| | 6 MAX. | ± 0.2 | 30 OVER 120 MAX. | | | | | |
| GENERAL TOLERANCE. | | | | TITLE CABLIN [®] -CA PLUG FOR CABLE ASSEMBLY | SCALE 4:1 UNIT mm | I-PEX | | |
| DWG. | DATE | | | | | | | |
| CHK. | | | | | | | | |
| APP. | | | | | | | | |
| | | | | DWG. No. | 20633 | SIZE A3 | SHEET 5/5 | REV. 11 |