

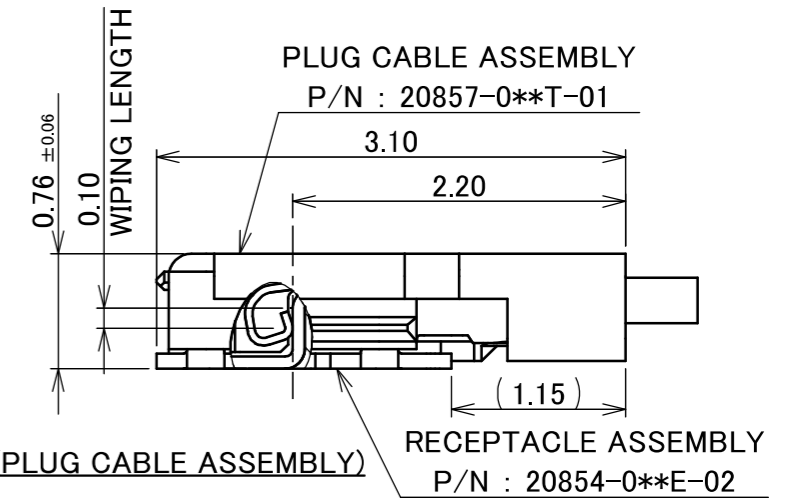
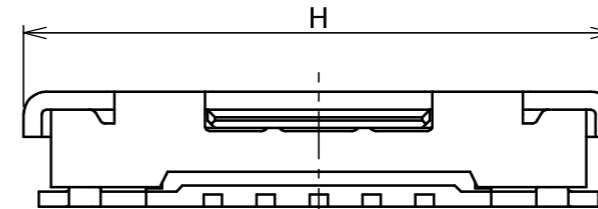
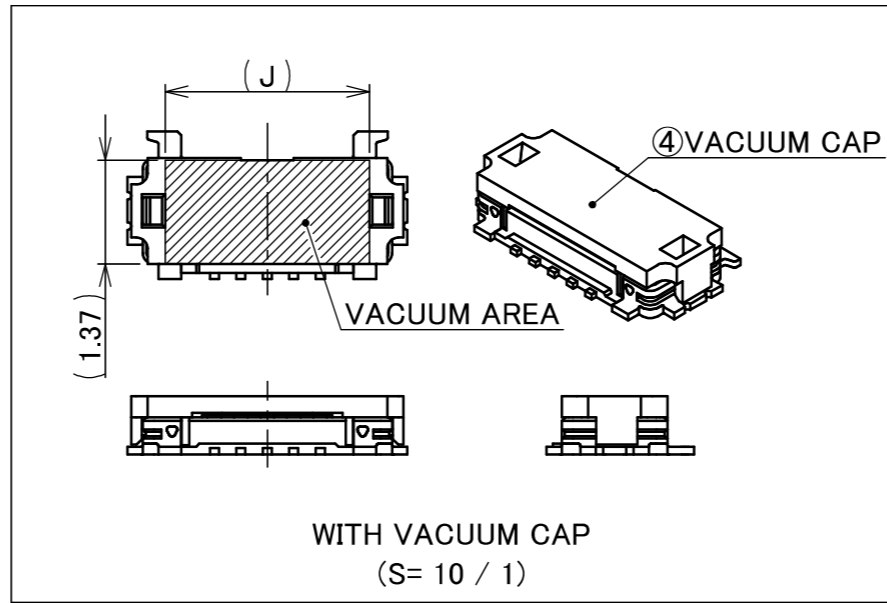
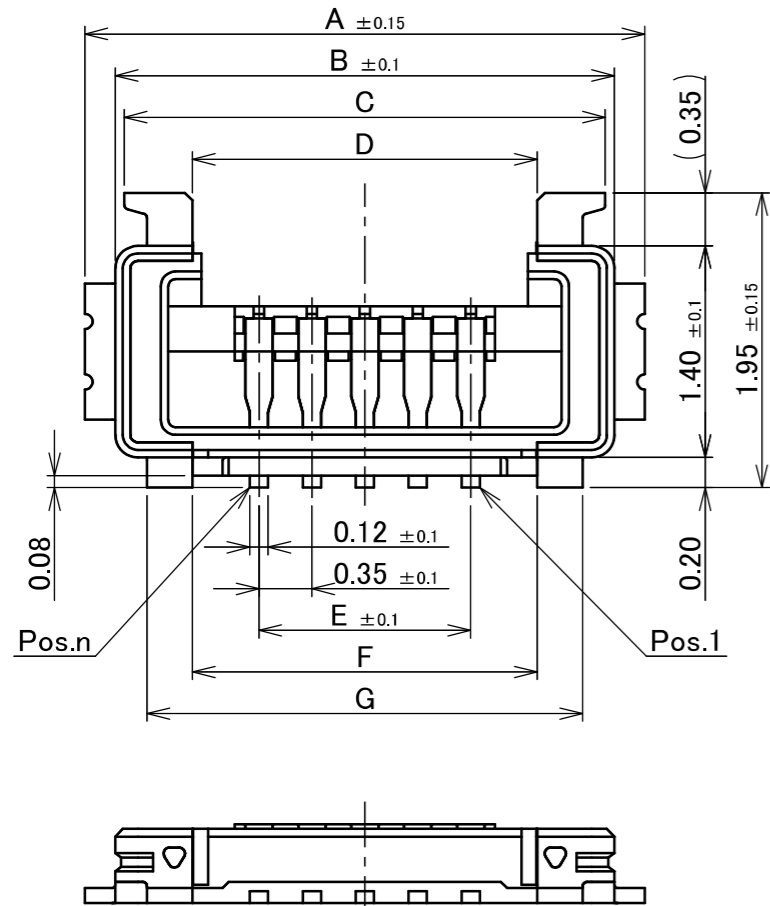
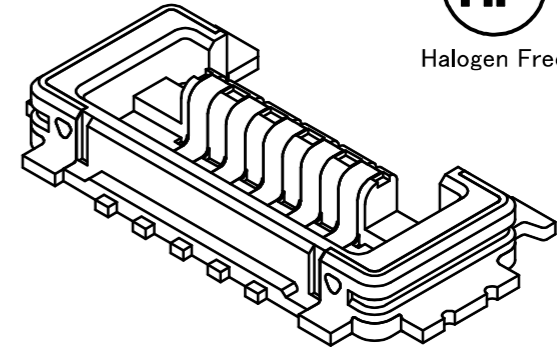
Recommended P/N 20854-0**E-02

| PART NO. | Pos. | A | B | C | D | E | F | G | H | J |
|---------------|------|------|------|------|------|------|------|------|------|------|
| 20854-005E-02 | 5 | 3.70 | 3.30 | 3.18 | 2.28 | 1.40 | 2.28 | 2.88 | 3.90 | 2.70 |
| 20854-010E-02 | 10 | 5.45 | 5.05 | 4.93 | 4.03 | 3.15 | 4.03 | 4.63 | 5.65 | 4.45 |
| 20854-012E-02 | 12 | 6.15 | 5.75 | 5.63 | 4.73 | 3.85 | 4.73 | 5.33 | 6.35 | 5.15 |

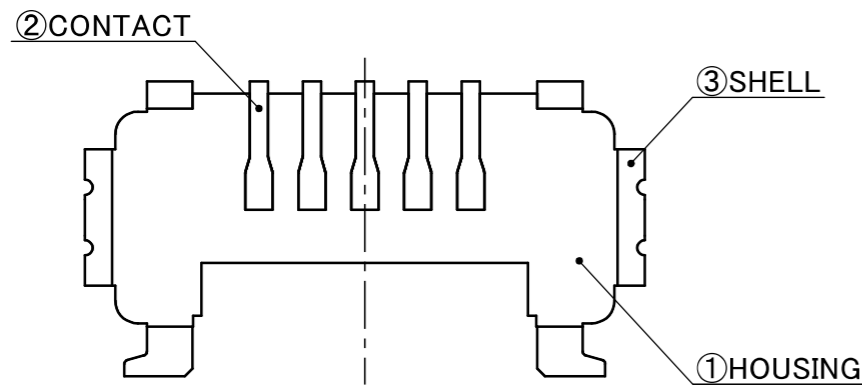


Halogen Free

RoHS Compliant

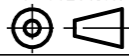



MATING CONDITION (PLUG CABLE ASSEMBLY)

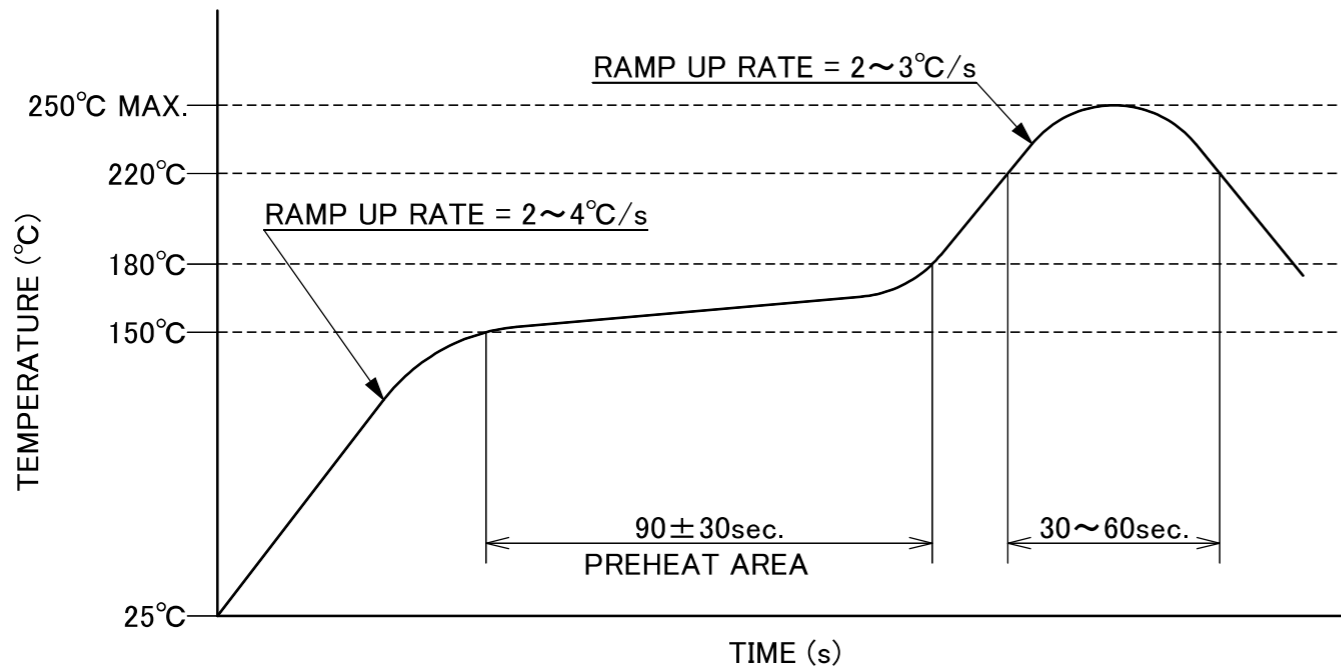
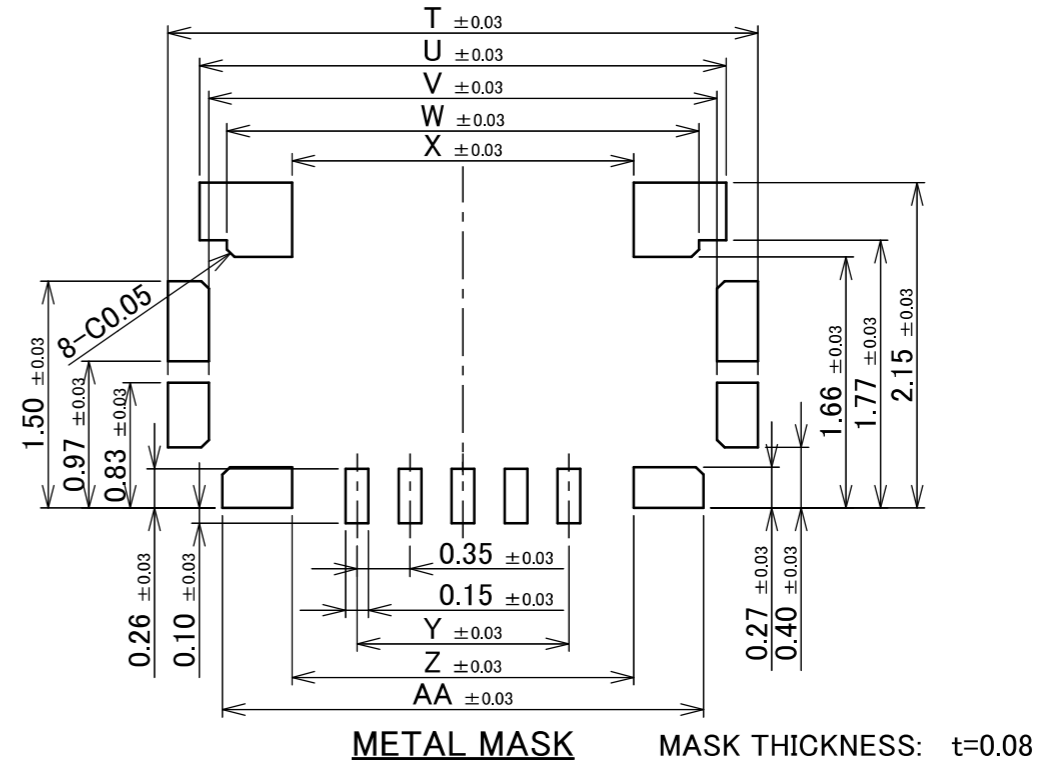
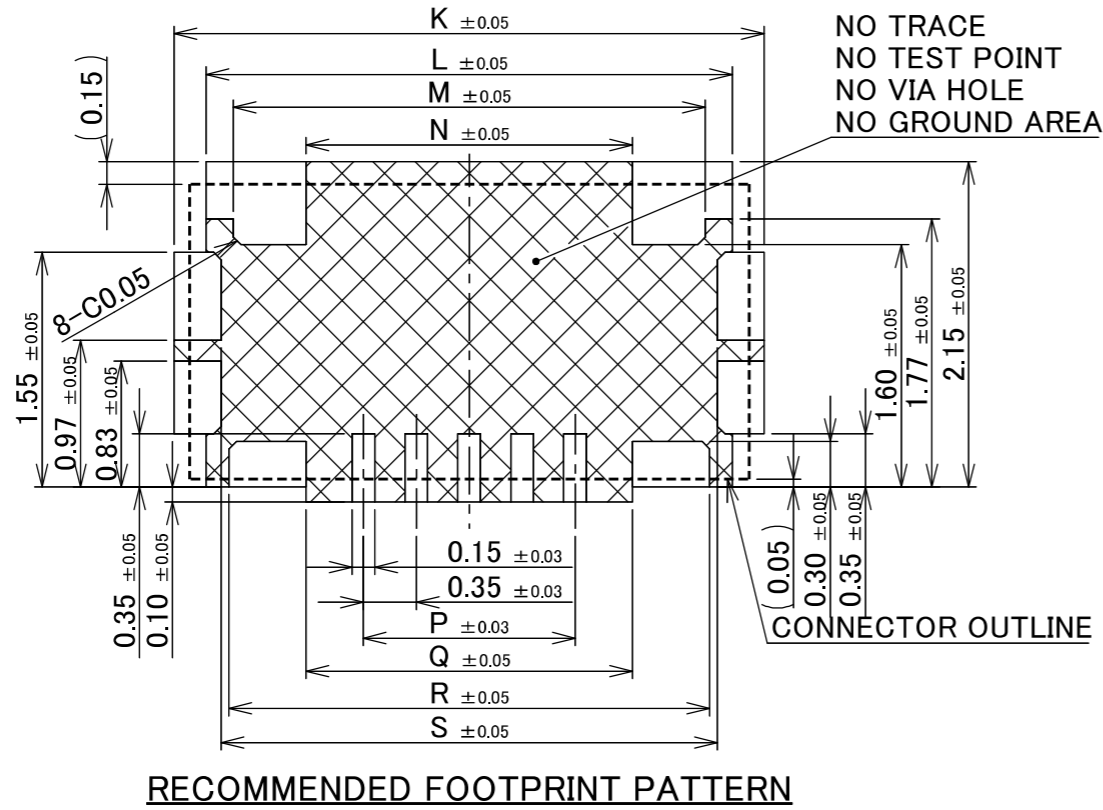


| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS | | | | | | | | | |
|-----------------|-----------------------------|-----------------------------------|--|------|-------------|-------|------|----|-------|-----|------|----|
| 4 | VACUUM CAP | LCP | UL94V-0, BLACK | | | | | | | | | |
| 3 | SHELL | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART: Au 0.01 μm MIN. SOLDERING PART: Au 0.01 μm MIN. | | | | | | | | | |
| 2 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART: Au 0.05 μm MIN. SOLDERING PART: Au 0.03 μm MIN. | | | | | | | | | |
| 1 | HOUSING | LCP | UL94V-0, BLACK | | | | | | | | | |
| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS | | | | | | | | | |
| 10 | ZC00750 T.Ya 2026/06/10 T.M | ANGLE ±2° 6 OVER 30 MAX. ±0.3 | PROJECTION SERIES No. R8 CUSTOMER COPY | | | | | | | | | |
| 9 | ZC00395 T.Ya 2026/01/05 T.M | 6 MAX. ±0.2 30 OVER 120 MAX. ±0.5 | | | | | | | | | | |
| 8 | ZC00370 RYO 2025/12/23 H.I | GENERAL TOLERANCE. | TITLE CABLINE®-UY RECEPTACLE ASSEMBLY SCALE 20:1 UNIT mm SHEET 1/5 REV. 10 | | | | | | | | | |
| 7 | Z250918 RYO 2025/06/06 H.I | DWG. S.Kawamura DATE 2018/12/03 | | | | | | | | | | |
| 6 | Z240017 R.H 2024/01/10 H.I | CHK. K.Yotsutani | | | | | | | | | | |
| 5 | Z210746 S.Y 2021/07/09 H.I | APP. K.Yotsutani | | | | | | | | | | |
| REV. | ECN | BY | DATE | APP. | DWG. No. | 20854 | SIZE | A3 | SHEET | 1/5 | REV. | 10 |
| REVISION RECORD | | | | | K.Yotsutani | | | | | | | |

| ITEMS | SPECIFICATION |
|---------------------------------------|--|
| APPLICABLE CONNECTOR PART No. | 20857-0**T-01 (PLUG CABLE ASSEMBLY) |
| APPLICABLE CABLE | MICRO-COAXIAL CABLE : AWG# 42 , 40 DISCRETE WIRE : AWG# 36 |
| RATING VOLTAGE | 60V AC (PER CONTACT PIN) ※THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED. |
| RATING AMPERAGE (FOR CONTACT) | 0.35 AC/DC [AWG#42] PER CONTACT PIN/UP TO 10 CONTACTS 0.38 AC/DC [AWG#40] PER CONTACT PIN/UP TO 10 CONTACTS 0.50 AC/DC [AWG#36] PER CONTACT PIN/UP TO 10 CONTACTS ※TESTING BY A MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION |
| OPERATING TEMPERATURE | 233~358K(-40°C~+85°C) |
| OPERATING HUMIDITY | 85% MAX.(NON-CONDENSING) |
| CONTACT RESISTANCE | INITIAL : 700mohm MAX.(AWG#42) / AFTER TEST : Δ R 40mohm MAX. 600mohm MAX.(AWG#40) 275mohm MAX.(AWG#36) |
| GROUND CONTACT RESISTANCE | INITIAL : 60mohm MAX. / AFTER TEST : Δ R 40mohm MAX. |
| INSULATION RESISTANCE | INITIAL : 500Mohm MIN. / AFTER TEST : 100Mohm MIN. |
| DIELECTRIC WITHSTANDING VOLTAGE | AC200V 1min |
| DURABILITY | 30 CYCLES |
| MATING FORCE (INITIAL / AFTER TEST) | 5P : INITIAL: 30N MAX. / AFTER TEST: 30N MAX. 10P : INITIAL: 30N MAX. / AFTER TEST: 30N MAX. 12P : INITIAL: 30N MAX. / AFTER TEST: 30N MAX. |
| UNMATING FORCE (INITIAL / AFTER TEST) | 5P : INITIAL: 5N MIN. / AFTER TEST: 3N MIN. 10P : INITIAL: 5N MIN. / AFTER TEST: 3N MIN. 12P : INITIAL: 5N MIN. / AFTER TEST: 3N MIN. |
| CABLE RETENTION FORCE | 5P : 2.45N MIN. 10P : 4.90N MIN. 12P : 5.88N MIN. |
| COPLANARITY | 0.08 MAX. |
| PRODUCT SPECIFICATION | PRS-2634 |
| TEST REPORT | TR-19084 |
| PACKING STANDARD | PST-18040 |
| INSTRUCTION MANUAL | HIM-18037 |
| APPEARANCE CRITERIA No. | QLS-A*** |

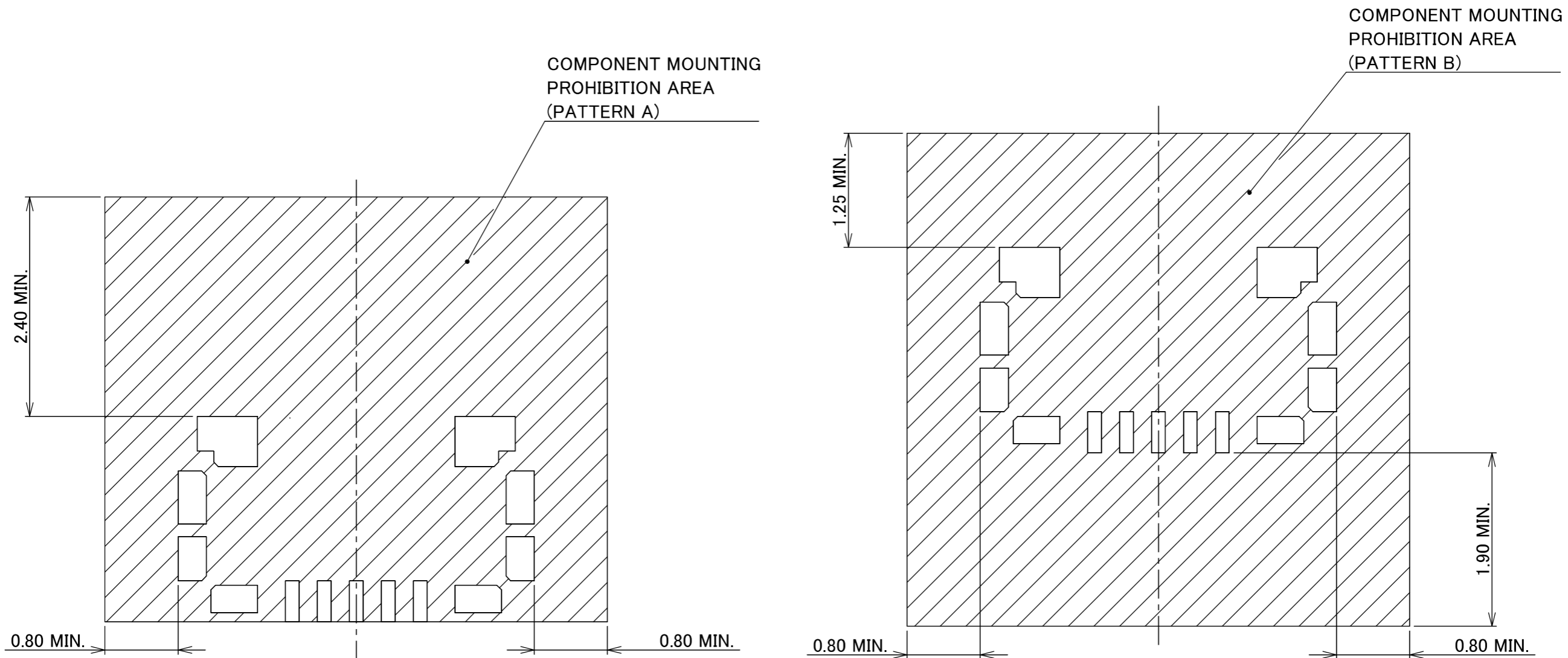
| | | | | | | | | |
|--------------------|---------------|----------------|------------------|---|----------------------------|---|-------|------|
| ANGLE | $\pm 2^\circ$ | 6 OVER 30 MAX. | ± 0.3 | PROJECTION  | SERIES No. R8 | CUSTOMER COPY | | |
| | 6 MAX. | ± 0.2 | 30 OVER 120 MAX. | | | | | |
| GENERAL TOLERANCE. | | | | TITLE CABLIN [®] -UY RECEPTACLE ASSEMBLY | SCALE 5:1 UNIT mm |  | | |
| DWG. | DATE | | | | | | | |
| CHK. | | | | | | | | |
| APP. | | | | | | | | |
| | | | | DWG. No. | 20854 | SIZE | SHEET | REV. |
| | | | | | | A3 | 2/5 | 10 |

| PART NO. | Pos. | K | L | M | N | P | Q | R | S | T | U | V | W | X | Y | Z | AA |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20854-005E-02 | 5 | 3.90 | 3.48 | 3.12 | 2.16 | 1.40 | 2.16 | 3.18 | 3.28 | 3.90 | 3.48 | 3.36 | 3.12 | 2.26 | 1.40 | 2.26 | 3.18 |
| 20854-010E-02 | 10 | 5.65 | 5.23 | 4.87 | 3.91 | 3.15 | 3.91 | 4.93 | 5.03 | 5.65 | 5.23 | 5.11 | 4.87 | 4.01 | 3.15 | 4.01 | 4.93 |
| 20854-012E-02 | 12 | 6.35 | 5.93 | 5.57 | 4.61 | 3.85 | 4.61 | 5.63 | 5.73 | 6.35 | 5.93 | 5.81 | 5.57 | 4.71 | 3.85 | 4.71 | 5.63 |



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

| | | | | | | | |
|--------------------|--------|----------------|------------------|---|------------|---------------|------|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION | SERIES No. | CUSTOMER COPY | |
| | 6 MAX. | ±0.2 | 30 OVER 120 MAX. | ±0.5 | R8 | | |
| GENERAL TOLERANCE. | | | | TITLE | SCALE | I-PEX | |
| DWG. | DATE | | | CABLIN [®] -UY RECEPTACLE ASSEMBLY | 20:1 | | |
| CHK. | | | | | UNIT | mm | |
| APP. | | | | DWG. No. | SIZE | SHEET | REV. |
| | | | | 20854 | A3 | 3/5 | 10 |

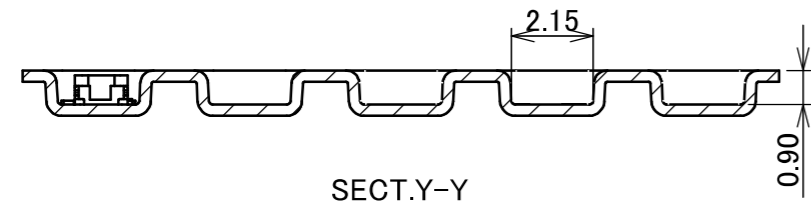
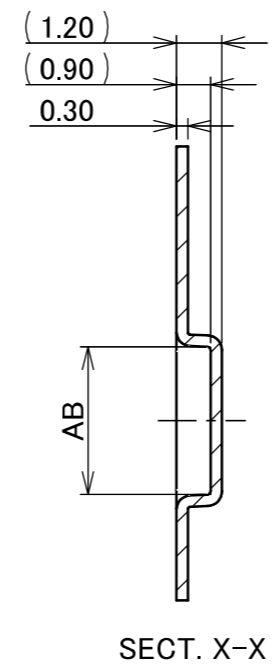
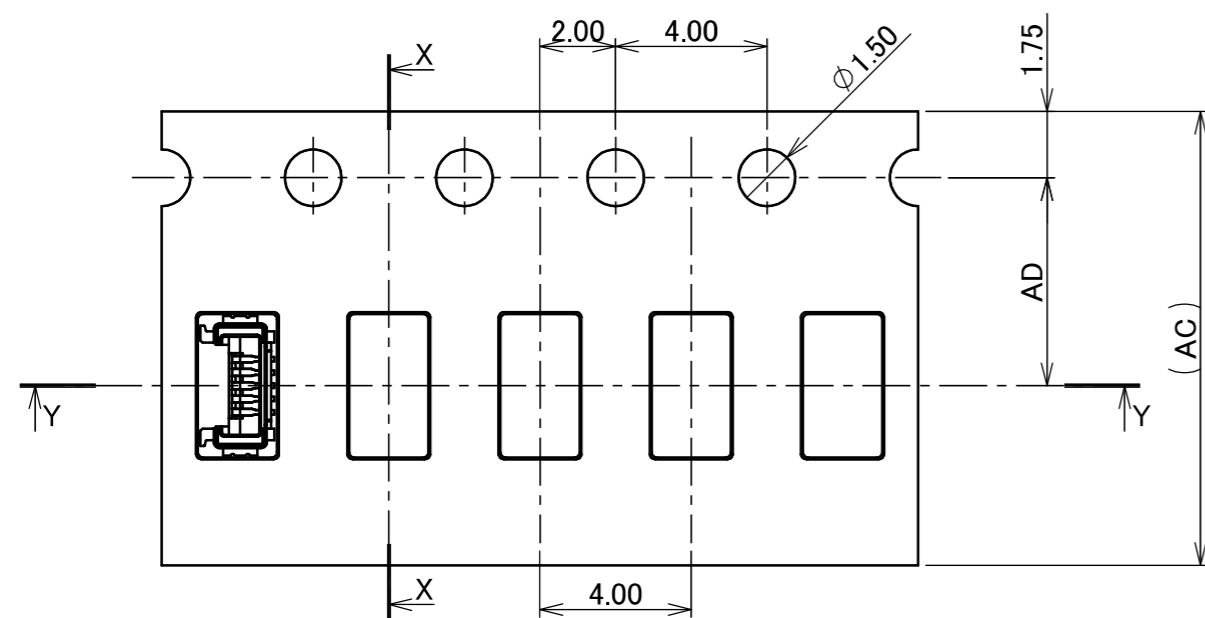
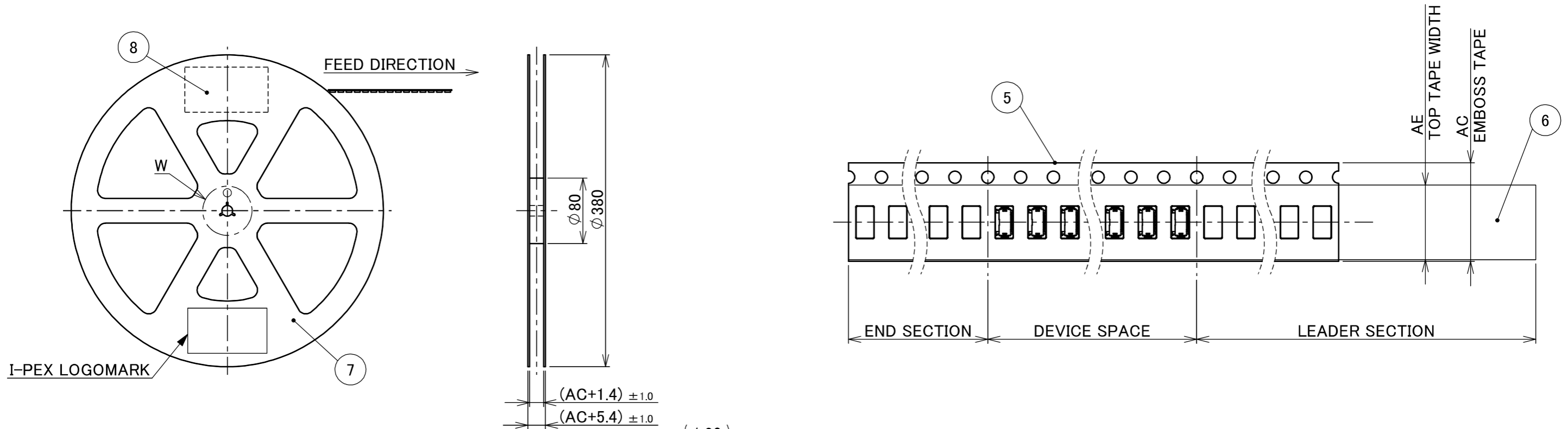


COMPONENT MOUNTING PROHIBITION AREA

PATTERN A : RECOMMENDED PUSHING AND PULLING JIG USED FROM CABLE SIDE.
 PATTERN B : RECOMMENDED PUSHING AND PULLING JIG USED FROM OPPOSITE SIDE OF THE CABLE.

| | | | | | | | | |
|--------------------|------|------------------|------|--|------------------|---------------|--------------|------------|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION | SERIES No. R8 | CUSTOMER COPY | | |
| 6 MAX. | ±0.2 | 30 OVER 120 MAX. | ±0.5 | | | | | |
| GENERAL TOLERANCE. | | | | TITLE CABLIN [®] -UY RECEPTACLE ASSEMBLY | SCALE 20:1 | | | |
| DWG. | DATE | | | | | | | |
| CHK. | | | | | | | | |
| APP. | | | | | | | | |
| | | | | DWG. No. | 20854 | SIZE A3 | SHEET 4/5 | REV. 10 |

| PART NO. | Pos. | AB | AC | AD | AE | QTY. PRE EMBOSS REEL (PIECES / REEL) | QTY. PRE PACKING CARTON (REEL / CARTON) | PACKING STANDARD |
|---------------|------|------|-------|------|-------|--------------------------------------|---|------------------|
| 20854-005E-02 | 5 | 3.90 | 12.00 | 5.50 | 9.10 | 15,000 / REEL | 9 / CARTON = 135,000 | PST-18040 |
| 20854-010E-02 | 10 | 5.65 | | | | 10,000 / REEL | 9 / CARTON = 90,000 | |
| 20854-012E-02 | 12 | 6.35 | 16.00 | 7.50 | 13.00 | 15,000 / REEL | 7 / CARTON = 105,000 | |



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

| DESCRIPTION | NO. | MATERIAL | REMARK |
|--------------------|---------------|---|------------|
| PACKING LABEL | 8 | | |
| REEL | 7 | PS | |
| TOP TAPE | 6 | PET ANTI-STATIC TYPE | |
| EMBOSS TAPE | 5 | PS ANTI-STATIC TYPE | |
| ANGLE | $\pm 2^\circ$ | 6 OVER 30 MAX. | ± 0.3 |
| | 6 MAX. | 30 OVER 120 MAX. | ± 0.5 |
| GENERAL TOLERANCE. | | PROJECTION | SERIES No. |
| DWG. | DATE | | R8 |
| CHK. | | TITLE | |
| APP. | | CABLIN [®] -UY RECEPTACLE ASSEMBLY | |
| | | DWG. No. | SCALE |
| | | 20854 | 20:1 |
| | | | UNIT |
| | | | mm |
| | | | SIZE |
| | | | A3 |
| | | | SHEET |
| | | | 5/5 |
| | | | REV. |
| | | | 10 |