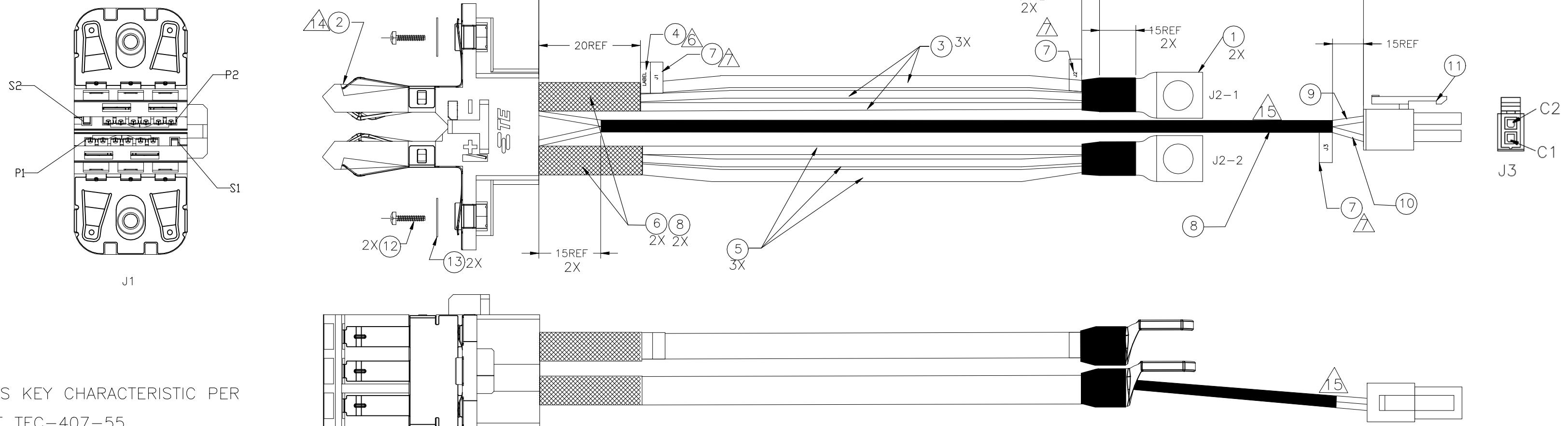


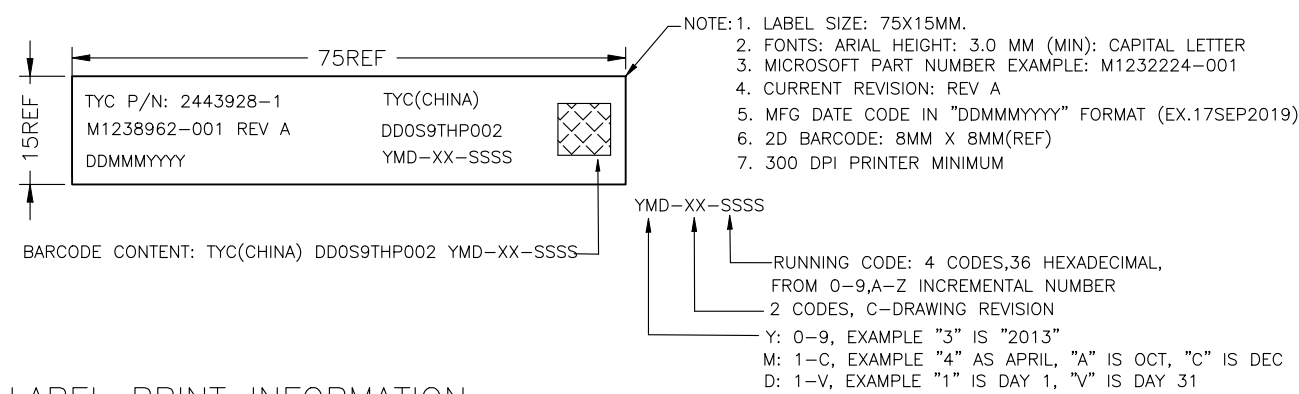
| REVISIONS |     |                |           |     |      |
|-----------|-----|----------------|-----------|-----|------|
| P         | LTR | DESCRIPTION    | DATE      | DWN | APVD |
|           | 7   | ADDED J3 LABEL | 29MAY2023 | YC  | WY   |



NOTES:

1. DIMENSION MARKED WITH ■ IS KEY CHARACTERISTIC PER STANDARD OPERATING PROCEDURE TEC-407-55
2. 100% ELECTRICAL TEST FOR OPEN, SHORT, MIS-WIRING AND HI-POT
3. THE APPEARANCE OF CONNECTORS IN CABLE ASSEMBLY DRAWING IS ILLUSTRATION ONLY, REFER TO THE RESPECTIVE COMPONENT DRAWING FOR DETAILS
4. ALL MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TE CONNECTIVITY ENVIRONMENTAL STANDARD TEC-138-702
5. THE MATING BUSBAR SHOULD HAVE SURFACE ROUGHNESS Ra 1.6μm MAX. SHOULD HAVE PLATING 3μm MIN IN CONTACT AREA AND 1.27μm MIN. NICKLE OVERAL

△6 LABEL PRINTED INFORMATION AS FOLLOWING



 LABEL PRINT INFORMATION

J1 LABEL:

J2 LABEL:

J3 LABEL:

BUSBAR

EMI FILTER

PSKILL\_SENSE

8. THE CABLE ASSEMBLY IS UL WIRING HARNESS (ZPFW2) COMPLIANT.
9. THE PRODUCT MEET REQUIREMENTS OF TE CONNECTIVITY ENVIRONMENTAL STANDARD TEC-138-702
10. SILVER PLATING CONTACTS MAY DISCOLOR IN AIR, BUT NO PERFORMANCE ISSUE.
11. CONTACT CRIMP TENSILE STRENGTH FOLOW UL 486A
12. RED WIRE TO POSITIVE(+) AND BLACK WIRE TO NEGATIVE (-) TERMINAL
13. MINIMUM BEND RADIUS: 5 X CABLE DIAMETER
14. SCREWS AND WASHERS WILL BE PACKAGED SEPARATELY.  
RECOMMENDED TORQUE 4kgf.cm MAX.
15. AFTER APPLYING HST THE SENSOR CABLE WITH HST LENGTH SHOULD MEET THE SPEC.

## WIRING CHART - 2443928-1

| FROM  | TO    | WIRE COLOR | AWG    |
|-------|-------|------------|--------|
| J1-S1 | J3-C1 | RED        | 22 AWG |
| J1-S2 | J3-C2 | BLACK      |        |
| J1-P1 | J2-2  | RED        | 8 AWG  |
| J1-P2 | J2-1  | BLACK      |        |

## PART NUMBER LIST

|           |                 |              |             |
|-----------|-----------------|--------------|-------------|
| 2443928-1 | 07              | M1238962-001 | DD0S9THP002 |
| TE P/N    | TE C-DWG<br>REV | MSFT P/N     | QPN         |

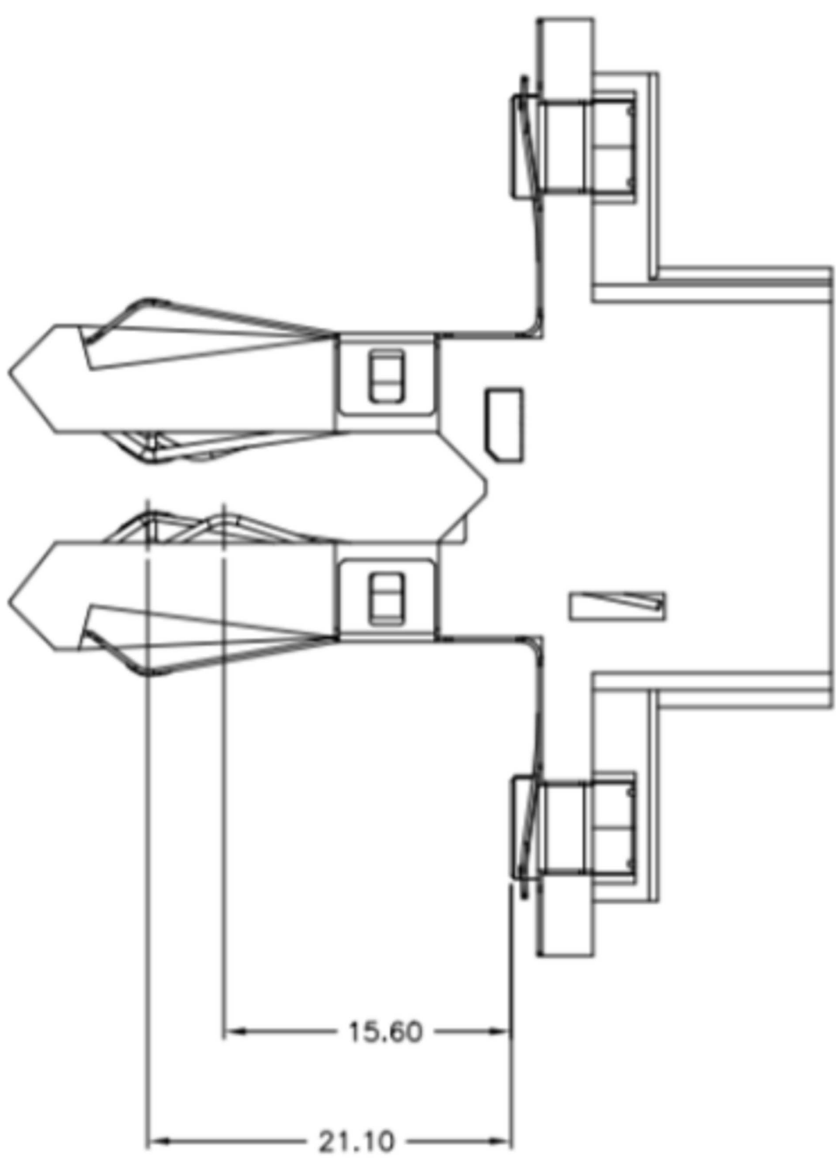
|     |     |                                                           |      |
|-----|-----|-----------------------------------------------------------|------|
| 2   | PC  | WASHER                                                    | 13   |
| 2   | PC  | SCREW M3*11.4                                             | 12   |
| 1   | PC  | MOLEX MICROFIT ASM (TERMINAL 430300001+HOUSING 430250200) | 11   |
| AR  | MR  | UL10368, 22AWG, OD:1.28MM, RED                            | 10   |
| AR  | MR  | UL10368, 22AWG, OD:1.28MM, BLACK                          | 9    |
| AR  | MR  | HST SIZE , BLACK                                          | 8    |
| 3   | PC  | LABEL                                                     | 7    |
| AR  | MR  | ACETATE CLOTH TAPE HF,UL94 VTM-2                          | 6    |
| AR  | MR  | UL3132 8 AWG RED                                          | 5    |
| 1   | PC  | LABEL                                                     | 4    |
| AR  | MR  | UL3132 8 AWG BLACK                                        | 3    |
| 1   | PC  | ORV3 ASSEMBLY – REAR EXIT                                 | 2    |
| 2   | PC  | Panduit LCAX1-38-X/Huya<br>DA0138-251                     | 1    |
| QTY | U/M | DESCRIPTION                                               | ITEM |

|                                                                                       |  |                                                                                                                    |  |                                                                                                                                                                             |  |                                                                                                                                                                                                                                                           |  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>YOGESHCHANDRA<br>CHK<br>—<br>APVD<br>WILLIAM Y<br>PRODUCT SPEC<br>—<br>APPLICATION SPEC<br>—<br>WEIGHT<br>— |  | 09DEC2022<br>09DEC2022<br>NAME<br>—<br>CABLE ASSEMBLY,<br>IT GEAR 48V ORV3 TO LUG<br>—<br>SIZE<br>A2<br>CAGE CODE<br>00779<br>DRAWING NO<br>C-2443928<br>RESTRICTED TO<br>— |  |  TE Connectivity<br> PRELIMINARY<br>SCALE<br>NTS<br>SHEET<br>1 of 3<br>REV<br>7 |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                                             |  |                                                                                                                                                                             |  |                                                                                                                                                                                                                                                           |  |
|  |  | 0 PLC ± —<br>1 PLC ± —<br>2 PLC ± —<br>3 PLC ± —<br>4 PLC ± —<br>ANGLES ± —                                        |  |                                                                                                                                                                             |  |                                                                                                                                                                                                                                                           |  |
| MATERIAL<br>—                                                                         |  | FINISH<br>—                                                                                                        |  |                                                                                                                                                                             |  |                                                                                                                                                                                                                                                           |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                                                    |  |                                                                                                                                                                             |  |                                                                                                                                                                                                                                                           |  |

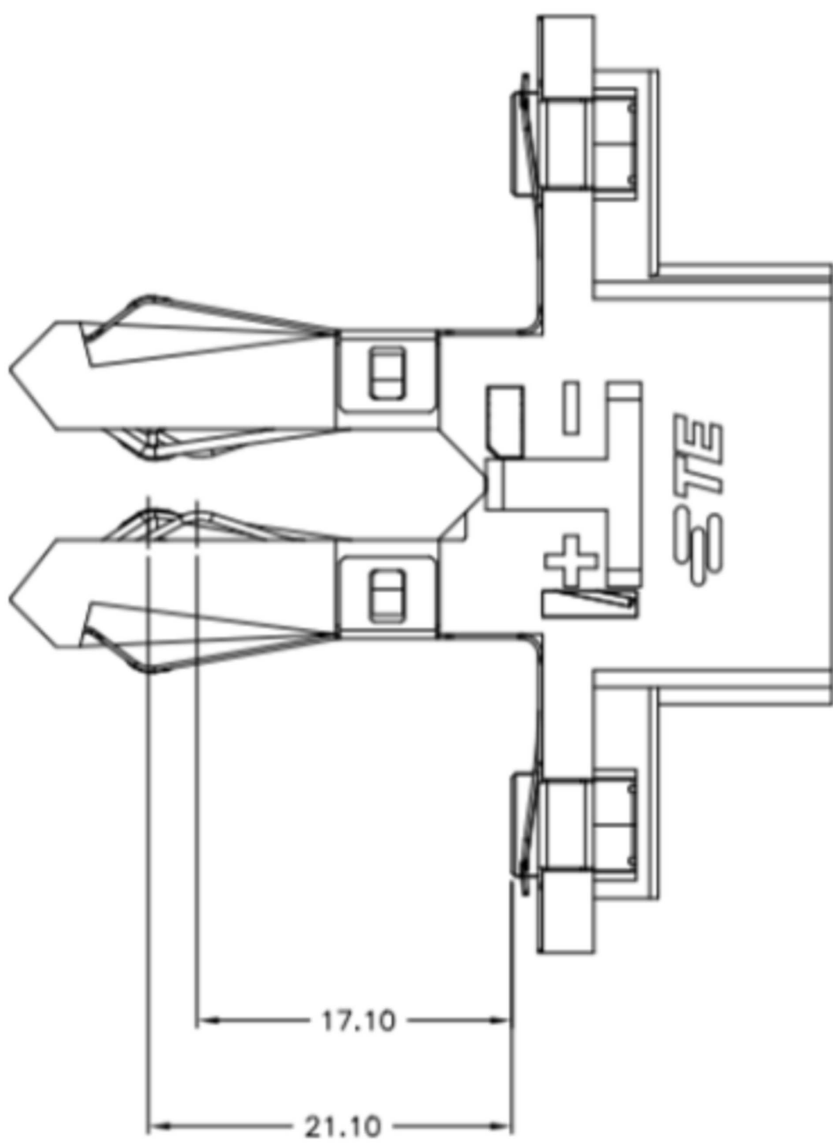
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|           | -   | SEE SHEET 1 | -    | -   | -    |

MEASUREMENT FOR SENSE PIN POSITION

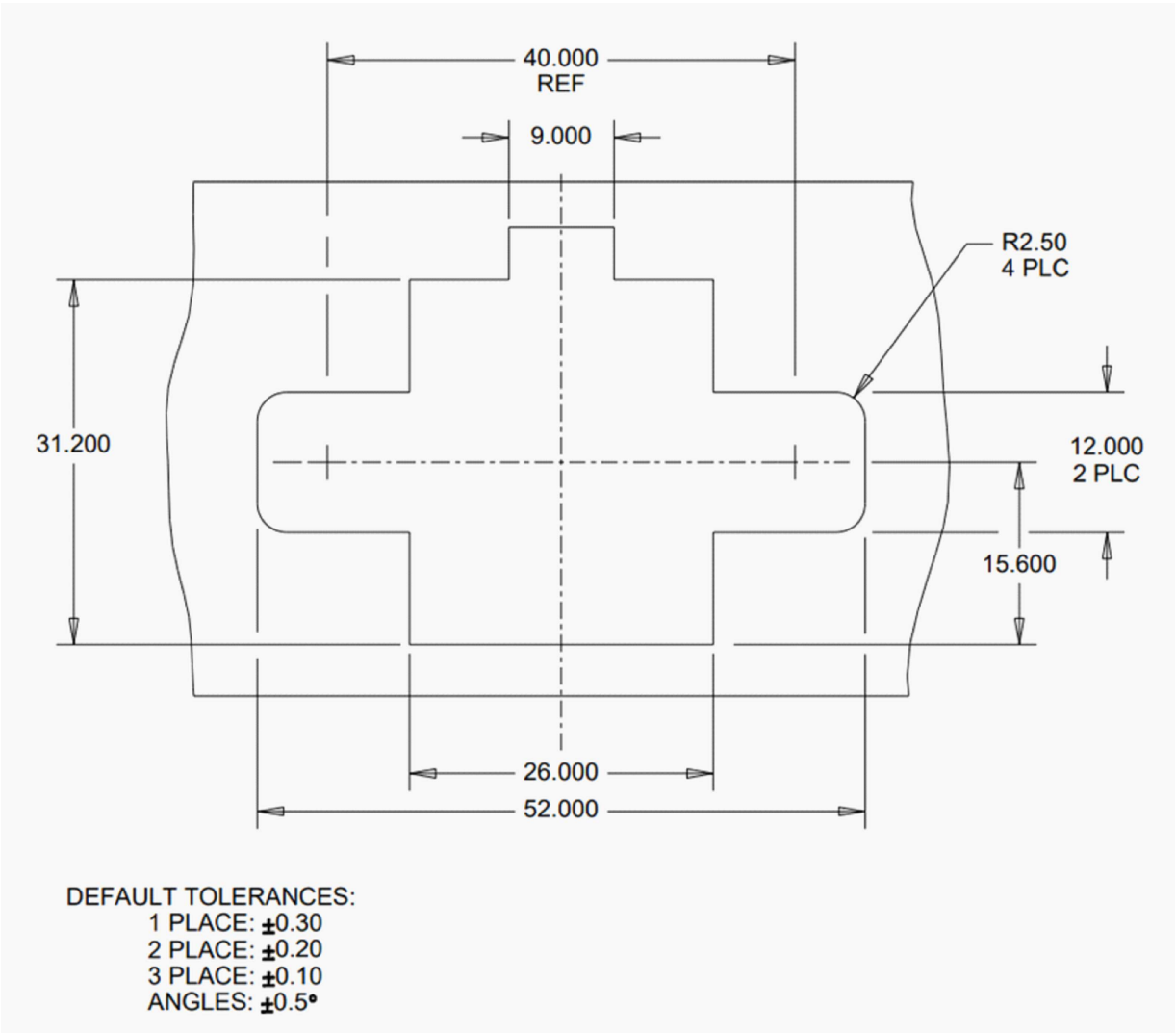
PLANE SIDE



FIN SIDE



PANEL CUTOUT VIEW

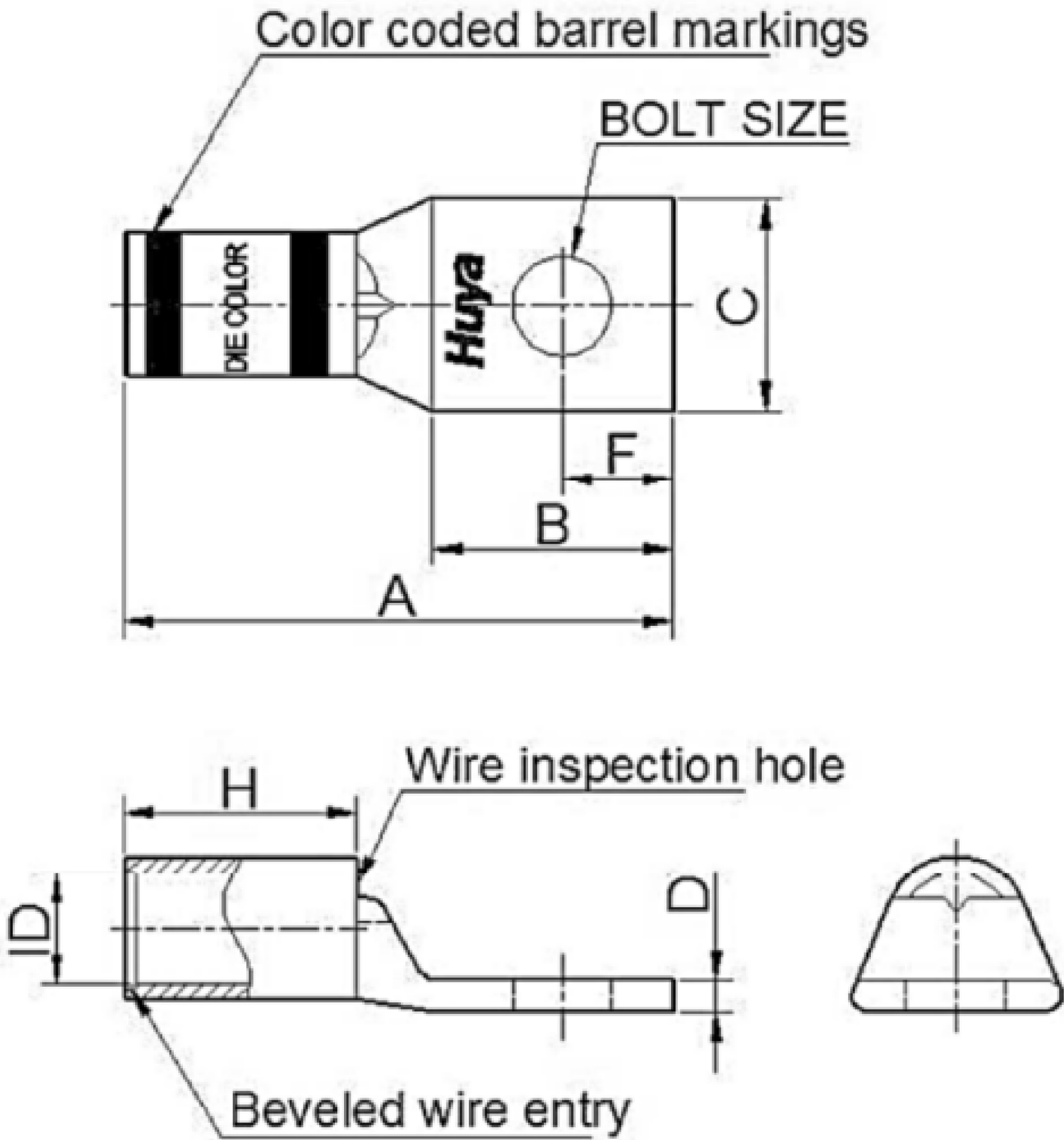


DEFAULT TOLERANCES:  
1 PLACE:  $\pm 0.30$   
2 PLACE:  $\pm 0.20$   
3 PLACE:  $\pm 0.10$   
ANGLES:  $\pm 0.5^\circ$

|                                        |  |                                   |                                                                                                       |                    |                         |                    |
|----------------------------------------|--|-----------------------------------|-------------------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>YOGESHCHANDRA<br>09DEC2022 |  TE Connectivity |                    |                         |                    |
|                                        |  | CHK<br>—                          |                                                                                                       |                    |                         |                    |
| DIMENSIONS:<br>mm                      |  | APVD<br>WILLIAM Y<br>09DEC2022    | NAME<br>CABLE ASSEMBLY,<br>IT GEAR 48V ORV3 TO LUG                                                    |                    |                         |                    |
|                                        |  | PRODUCT SPEC                      |                                                                                                       |                    |                         |                    |
|                                        |  | APPLICATION SPEC                  |                                                                                                       |                    |                         |                    |
|                                        |  | WEIGHT<br>—                       | SIZE<br>A2                                                                                            | CAGE CODE<br>00779 | DRAWING NO<br>C=2443928 | RESTRICTED TO<br>— |
| MATERIAL<br>—                          |  | FINISH<br>—                       | CUSTOMER DRAWING                                                                                      |                    |                         |                    |
|                                        |  |                                   | SCALE<br>NTS                                                                                          | SHEET<br>2 OF 3    | REV<br>7                |                    |

| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|           | -   | SEE SHEET 1 | -    | -   | -    |

| CELESTRA<br>CAT NO. | WIRE SIZE |        | BOLT<br>SIZE | A     | B    | C     | D     | F     | H     | ID    |
|---------------------|-----------|--------|--------------|-------|------|-------|-------|-------|-------|-------|
|                     | CODE      | FLEX   |              | ±0.06 | MIN  | ±0.04 | ±0.01 | ±0.02 | ±0.04 | ±0.01 |
| DA0138-251          | 1 AWG     | 175/24 | 3/8          | 1.74  | 0.83 | 0.76  | 0.13  | 0.36  | 0.66  | 0.39  |



|                                        |  |                      |           |                                            |           |              |
|----------------------------------------|--|----------------------|-----------|--------------------------------------------|-----------|--------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>YOGESHCHANDRA | 09DEC2022 | TE Connectivity                            |           |              |
|                                        |  | CHK<br>—             | —         |                                            |           |              |
|                                        |  | APVD<br>WILLIAM Y    | 09DEC2022 | NAME                                       |           |              |
|                                        |  | PRODUCT SPEC         |           | CABLE ASSEMBLY,<br>IT GEAR 48V ORV3 TO LUG |           |              |
|                                        |  | APPLICATION SPEC     |           | —                                          |           |              |
|                                        |  | —                    |           | SIZE                                       | CAGE CODE | DRAWING NO   |
|                                        |  | WEIGHT               |           | A2                                         | 00779     | C=2443928    |
|                                        |  | CUSTOMER DRAWING     |           | SCALE                                      | NTS       | SHEET 3 OF 3 |
|                                        |  |                      |           |                                            |           | REV 7        |