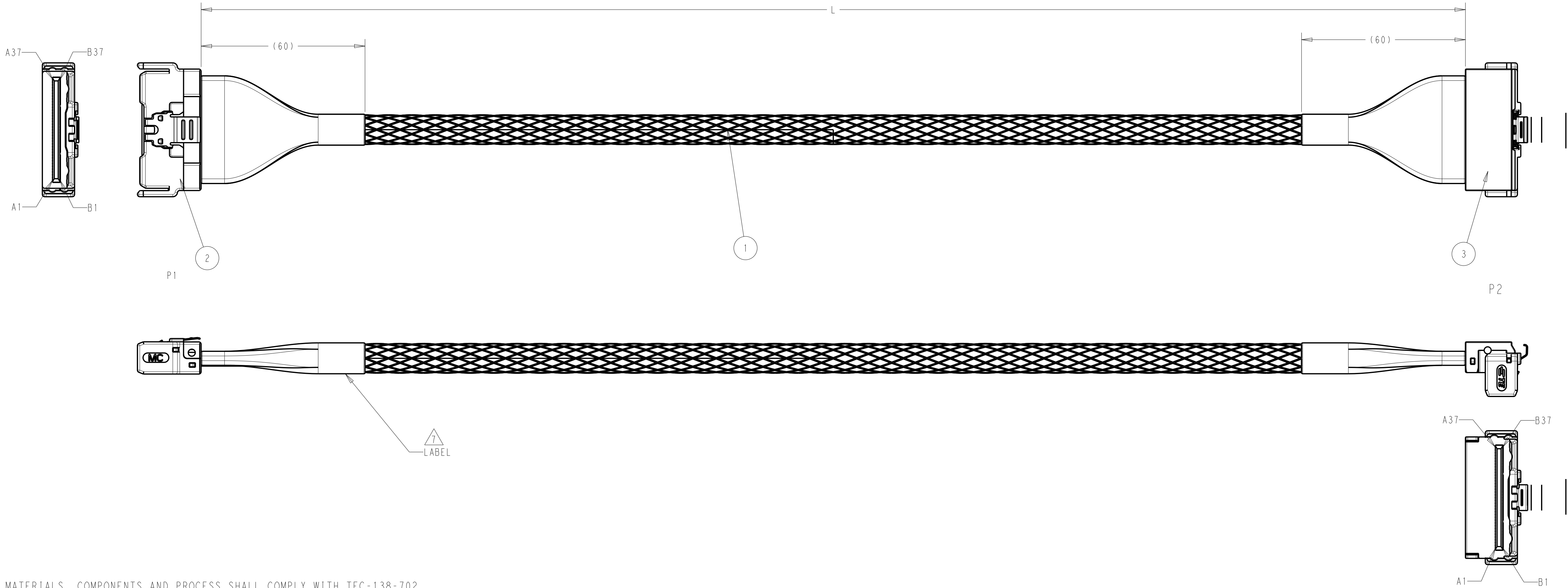
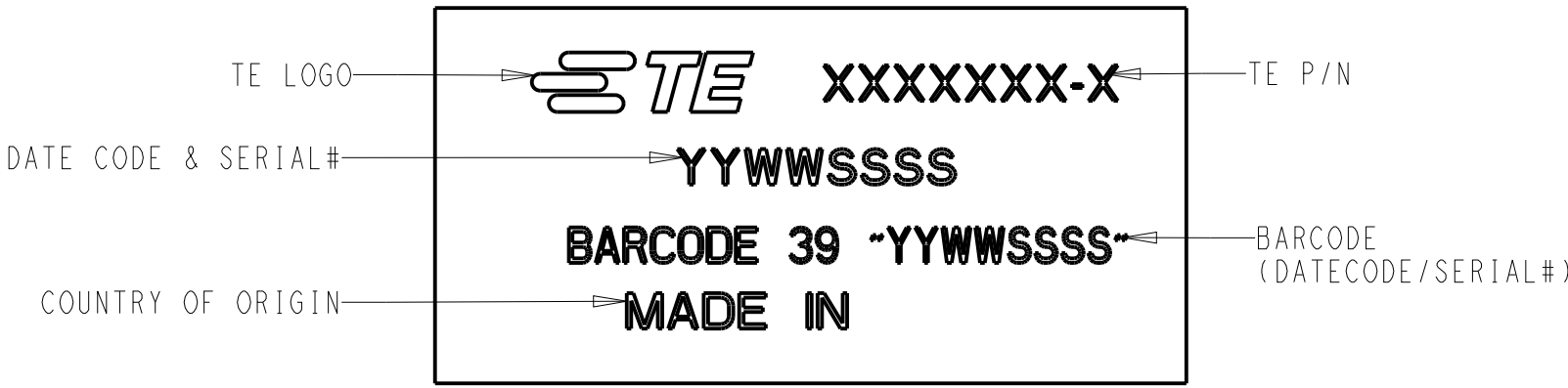


| REVISIONS | | | | | |
|-----------|-----|-------------|-----------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | A | RELEASE | 01DEC2020 | AC | DZ |
| | | | | | |
| | | | | | |
| | | | | | |



1. ALL MATERIALS, COMPONENTS AND PROCESS SHALL COMPLY WITH TEC-138-702. (CONTAINS NO BANNED OR RESTICTED SUBSTANCES).
2. NO REACH SvHC SHALL BE CONTAINED ABOVE THE THRESHOLD AS DEFINED IN REACH SvHC COMPLIANCE DEFINITION IN ANNEX A OF TEC-138-702.
3. ASSEMBLY TO BE TESTED FOR CONTINUITY, OPENS, SHORTS, AND SIGNAL INTEGRITY.
4. CABLE BEND RADIUS 5X BUNDLED CABLE OD.
5. SEE SHEET 2 FOR WIRING SCHEMATIC.
6. ELECTRICAL PERFORMANCE MEET THE PCIe Gen4 SPEC.

LABEL INFORMATION SHOWN BELOW:





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8. THE CABLE ASSEMBLY SHALL MEET IMPEDANCE REQUIREMENT:
CONNECTORS: 85±15% ohms
CABLE AREA: 85±10% ohms

| | | |
|------------------------|---------|-----------|
| 15u" | 1000±10 | 2366780-4 |
| 15u" | 500±10 | 2366780-3 |
| 30u" | 1000±10 | 2366780-2 |
| 30u" | 500±10 | 2366780-1 |
| Connector Gold Plating | | TE P/N |

| | | | |
|-----|-----|---|------|
| 1 | PC | MINI COOLEDGE 74P Right Angle CONNECTOR | 3 |
| 1 | PC | MINI COOLEDGE 74P STR CONNECTOR | 2 |
| AR | M | SAS CABLE, 30AWG, 85ohm, VW-1 | 1 |
| QTY | U/M | DESCRIPTION | ITEM |

| | | | | |
|---|--|-----------------------------|---|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN: ADAM CHEN 24OCT2019 |  TE Connectivity | |
| DIMENSIONS: | | CHK: - | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: DAVID ZHANG 24OCT2019 | | |
| NAME: C/A MCTO, x8 | | PRODUCT SPEC | | |
| mm | | APPLICATION SPEC | STR to Right Angle 85ohm | |
|  | | SIZE | CAGE CODE | DRAWING NO |
| 0 PLC ±.1 | | WEIGHT | - | - |
| 1 PLC ±0.1 | | CUSTOMER DRAWING | SCALE | 1:1 |
| 2 PLC ±0.01 | | RESTRICTED TO | SHEET | 1 OF 2 |
| 3 PLC ±0.001 | | REV | A | |
| 4 PLC ±0.0001 | | | | |
| ANGLES ±.0001 | | | | |
| FINISH | | | | |
| MATERIAL TBD | | | | |

| REVISIONS | | | | |
|-----------|-----|-------------|------|-----|
| P. | LTR | DESCRIPTION | DATE | DWN |
| | | | | |

| P1 | | | WIRE TYPE | P2 | | | | P1 | | | WIRE TYPE | P2 | | |
|---------|----------|-------------|-----------|-------------|----------|---------|--|---------|----------|-------------|-----------|-------------|----------|---------|
| PIN NO. | PAIR NO. | DESIGNATION | | DESIGNATION | PAIR NO. | PIN NO. | | PIN NO. | PAIR NO. | DESIGNATION | | DESIGNATION | PAIR NO. | PIN NO. |
| A1 | | GND | | GND | | B1 | | B1 | | GND | | GND | | A1 |
| A2 | 1 | PC1e TX | DIFF PAIR | PC1e TX | 1 | B2 | | B2 | 13 | PC1e RX | DIFF PAIR | PC1e RX | 13 | A2 |
| A3 | 1 | PC1e TX | DIFF PAIR | PC1e TX | 1 | B3 | | B3 | 13 | PC1e RX | DIFF PAIR | PC1e RX | 13 | A3 |
| A4 | | GND | | GND | | B4 | | B4 | | GND | | GND | | A4 |
| A5 | 2 | PC1e TX | DIFF PAIR | PC1e TX | 2 | B5 | | B5 | 14 | PC1e RX | DIFF PAIR | PC1e RX | 14 | A5 |
| A6 | 2 | PC1e TX | DIFF PAIR | PC1e TX | 2 | B6 | | B6 | 14 | PC1e RX | DIFF PAIR | PC1e RX | 14 | A6 |
| A7 | | GND | | GND | | B7 | | B7 | | GND | | GND | | A7 |
| A8 | 3 | SIDEBAND | DIFF PAIR | SIDEBAND | 3 | B8 | | B8 | 15 | SIDEBAND | DIFF PAIR | SIDEBAND | 15 | A8 |
| A9 | 3 | SIDEBAND | DIFF PAIR | SIDEBAND | 3 | B9 | | B9 | 15 | SIDEBAND | DIFF PAIR | SIDEBAND | 15 | A9 |
| A10 | | GND | | GND | | B10 | | B10 | | GND | | GND | | A10 |
| A11 | 4 | SIDEBAND | DIFF PAIR | SIDEBAND | 4 | B11 | | B11 | 16 | SIDEBAND | DIFF PAIR | SIDEBAND | 16 | A11 |
| A12 | 4 | SIDEBAND | DIFF PAIR | SIDEBAND | 4 | B12 | | B12 | 16 | SIDEBAND | DIFF PAIR | SIDEBAND | 16 | A12 |
| A13 | | GND | | GND | | B13 | | B13 | | GND | | GND | | A13 |
| A14 | 5 | PC1e TX | DIFF PAIR | PC1e TX | 5 | B14 | | B14 | 17 | PC1e RX | DIFF PAIR | PC1e RX | 17 | A14 |
| A15 | 5 | PC1e TX | DIFF PAIR | PC1e TX | 5 | B15 | | B15 | 17 | PC1e RX | DIFF PAIR | PC1e RX | 17 | A15 |
| A16 | | GND | | GND | | B16 | | B16 | | GND | | GND | | A16 |
| A17 | 6 | PC1e TX | DIFF PAIR | PC1e TX | 6 | B17 | | B17 | 18 | PC1e RX | DIFF PAIR | PC1e RX | 18 | A17 |
| A18 | 6 | PC1e TX | DIFF PAIR | PC1e TX | 6 | B18 | | B18 | 18 | PC1e RX | DIFF PAIR | PC1e RX | 18 | A18 |
| A19 | | GND | | GND | | B19 | | B19 | | GND | | GND | | A19 |
| A20 | 7 | PC1e TX | DIFF PAIR | PC1e TX | 7 | B20 | | B20 | 19 | PC1e RX | DIFF PAIR | PC1e RX | 19 | A20 |
| A21 | 7 | PC1e TX | DIFF PAIR | PC1e TX | 7 | B21 | | B21 | 19 | PC1e RX | DIFF PAIR | PC1e RX | 19 | A21 |
| A22 | | GND | | GND | | B22 | | B22 | | GND | | GND | | A22 |
| A23 | 8 | PC1e TX | DIFF PAIR | PC1e TX | 8 | B23 | | B23 | 20 | PC1e RX | DIFF PAIR | PC1e RX | 20 | A23 |
| A24 | 8 | PC1e TX | DIFF PAIR | PC1e TX | 8 | B24 | | B24 | 20 | PC1e RX | DIFF PAIR | PC1e RX | 20 | A24 |
| A25 | | GND | | GND | | B25 | | B25 | | GND | | GND | | A25 |
| A26 | 9 | SIDEBAND | DIFF PAIR | SIDEBAND | 9 | B26 | | B26 | 21 | SIDEBAND | DIFF PAIR | SIDEBAND | 21 | A26 |
| A27 | 9 | SIDEBAND | DIFF PAIR | SIDEBAND | 9 | B27 | | B27 | 21 | SIDEBAND | DIFF PAIR | SIDEBAND | 21 | A27 |
| A28 | | GND | | GND | | B28 | | B28 | | GND | | GND | | A28 |
| A29 | 10 | SIDEBAND | DIFF PAIR | SIDEBAND | 10 | B29 | | B29 | 22 | SIDEBAND | DIFF PAIR | SIDEBAND | 22 | A29 |
| A30 | 10 | SIDEBAND | DIFF PAIR | SIDEBAND | 10 | B30 | | B30 | 22 | SIDEBAND | DIFF PAIR | SIDEBAND | 22 | A30 |
| A31 | | GND | | GND | | B31 | | B31 | | GND | | GND | | A31 |
| A32 | 11 | PC1e TX | DIFF PAIR | PC1e TX | 11 | B32 | | B32 | 23 | PC1e RX | DIFF PAIR | PC1e RX | 23 | A32 |
| A33 | 11 | PC1e TX | DIFF PAIR | PC1e TX | 11 | B33 | | B33 | 23 | PC1e RX | DIFF PAIR | PC1e RX | 23 | A33 |
| A34 | | GND | | GND | | B34 | | B34 | | GND | | GND | | A34 |
| A35 | 12 | PC1e TX | DIFF PAIR | PC1e TX | 12 | B35 | | B35 | 24 | PC1e RX | DIFF PAIR | PC1e RX | 24 | A35 |
| A36 | 12 | PC1e TX | DIFF PAIR | PC1e TX | 12 | B36 | | B36 | 24 | PC1e RX | DIFF PAIR | PC1e RX | 24 | A36 |
| A37 | | GND | | GND | | B37 | | B37 | | GND | | GND | | A37 |

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| | | | | | | | | |
|--|--|---|-------------------------------|----------------------|------------------------|--|-----------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN CHK APVD | ADAM CHEN - DAVID ZHANG | | 24OCT2019 24OCT2019 | | TE Connectivity | |
| DIMENSIONS: mm | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | NAME PRODUCT SPEC | | C/A MCIO x8 STR to Right Angle 85ohm | | |
| | | 0 PLC ± 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ± FINISH | | APPLICATION SPEC | | SIZE CAGE CODE DRAWING NO | | |
| MATERIAL TBD - | | - - | | WEIGHT - | | RESTRICTED TO | | |
| CUSTOMER DRAWING | | | | A 00779 2366780 | | - | | |
| SCALE 1:1 | | | | SHEET 2 OF 2 | | REV A | | |