

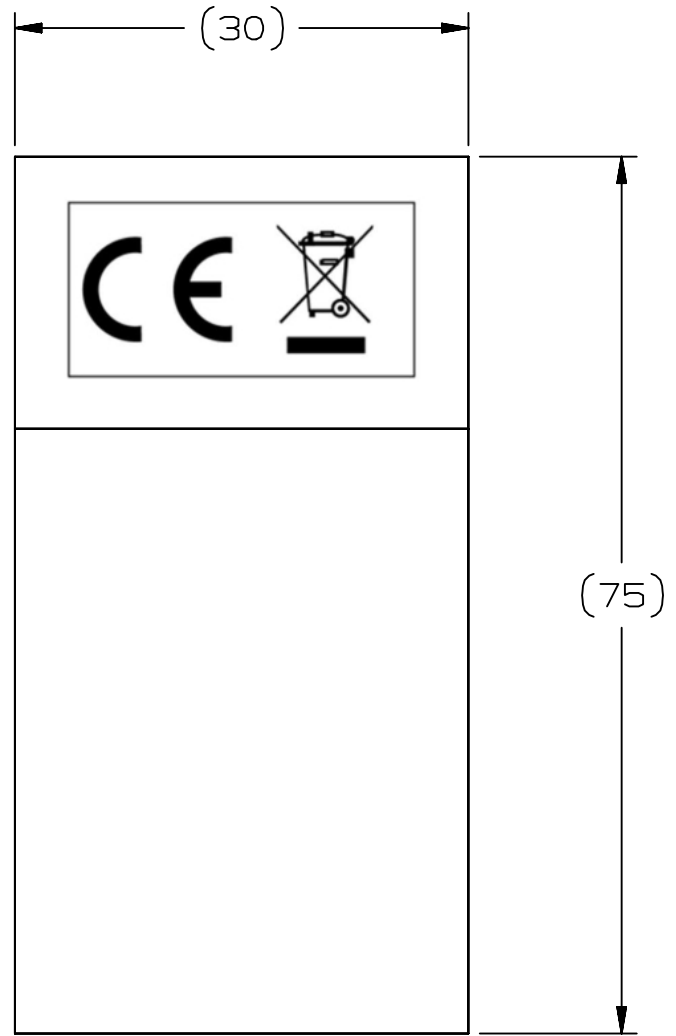
3M™ PCIe GEN 4 X16 EXTENDER TWIN AXIAL CABLE ASSEMBLY

| BILL OF MATERIALS | | | |
|-------------------|---------------|--|-------------|
| | ITEM | DESCRIPTION | QTY |
| 1.0 | PBA | PCB ASSY, PCIe GEN 4 X16 (164 POS) STRADDLEMOUNT | 1 |
| 1.1 | PCB | PCIe GEN 4 X16 (164 POS) STRADDLEMOUNT | 1 |
| 1.2 | CONN | CONNECTOR, PCIe X16 164 POSITION, FEMALE SOCKET GEN5 STRADDLEMOUNT | 1 |
| 2.0 | PCB | PCIe X16 EXTENDER (164 POS) CARD-EDGE | 1 |
| 3.0 | CABLE | RIBBON TWIN AX CABLE 3M P/N: SL8802/24-CYEN5-00 | 4 |
| 4.0 | CABLE | RIBBON CABLE, 20 POSITION 3M P/N: 3749-20 | 2 |
| 5.0 | STRAIN RELIEF | ADHESIVE | AS REQUIRED |

ORDERING INFORMATION

8KCE-0953-XXXX

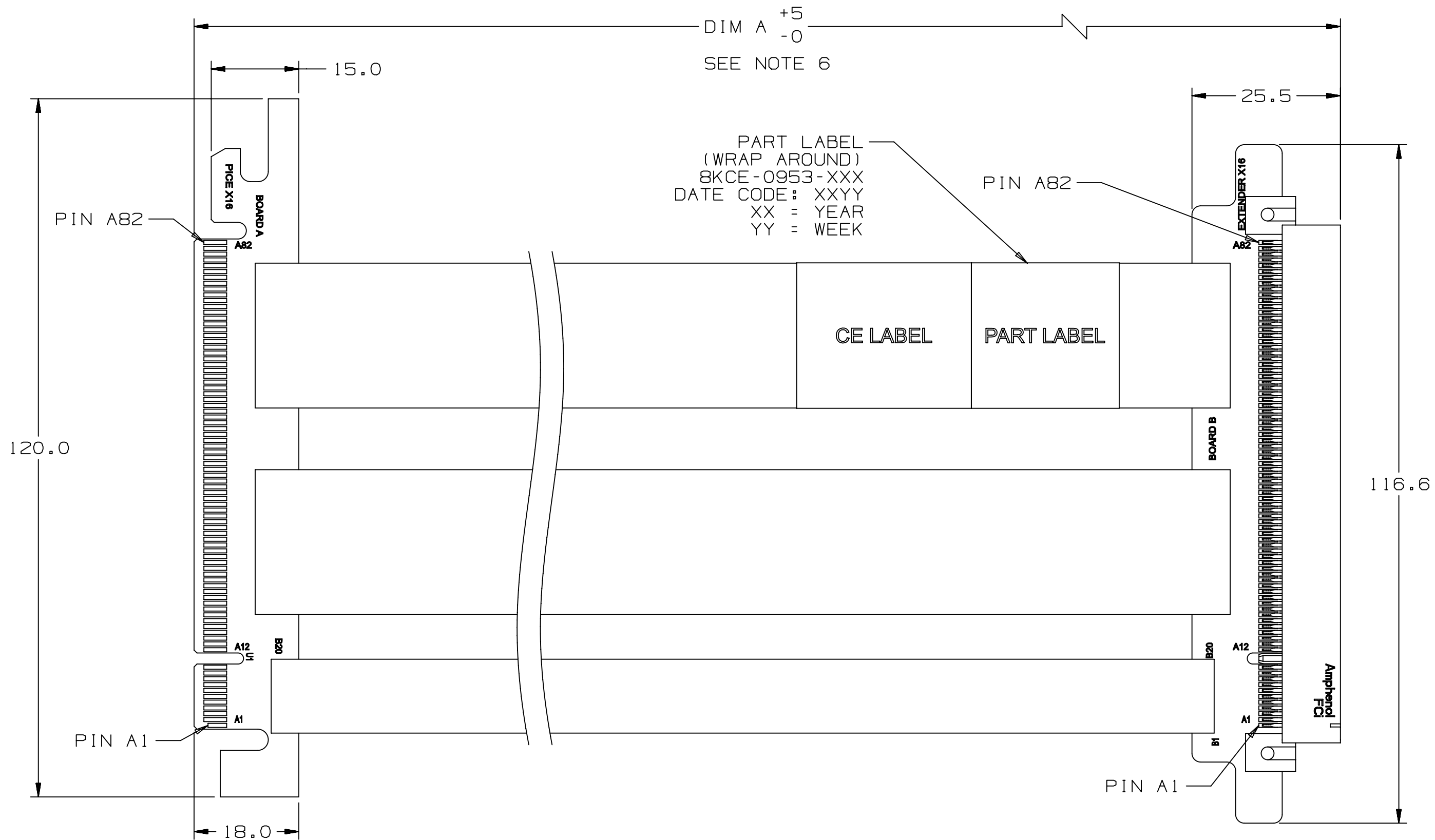
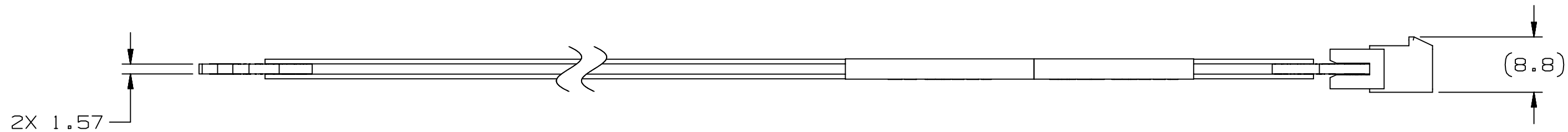
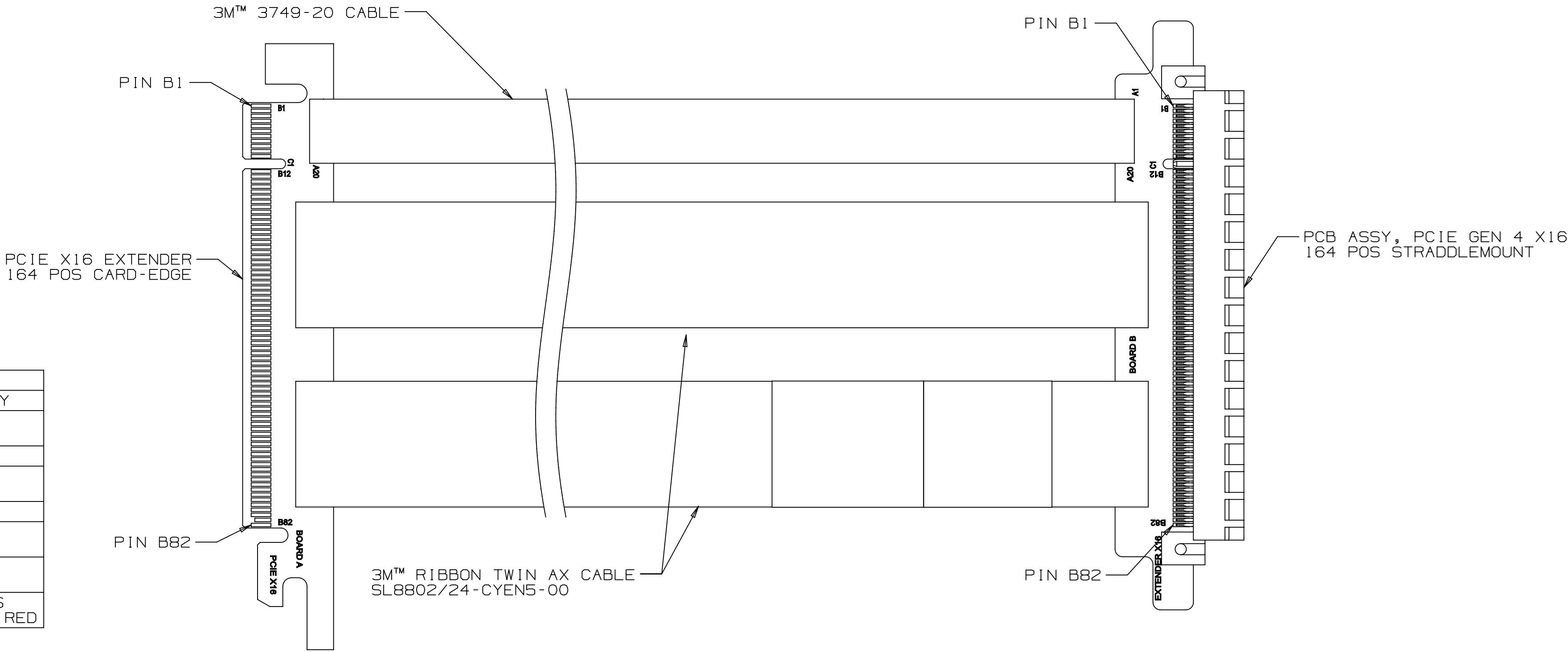
LENGTH IN MILLIMETERS



CE WEEE LABEL

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Transportation and Electronics Business Group (TEBG)
<http://www.3M.com/interconnect>

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- NOTES
- DIMENSIONS ARE IN MILLIMETERS.
 - 3M™ RIBBON TWINAX DESCRIPTION:
31 AWG, SILVER PLATED SIGNAL WIRE
 - REGULATORY INFORMATION:
VISIT 3M.com/regs
 - THIS CABLE CONSTRUCTION HAS A THIN ALUMINUM INNER LAYER EXPOSED AT EACH EDGE. USERS SHOULD ASSESS WHETHER THE EXPOSED EDGE PRESENTS A SHORTING RISK IN THEIR SPECIFIC APPLICATION. INSULATING TAPE MAY BE APPLIED AT THE CABLE ASSEMBLY LEVEL, AS NEEDED, TO COVER THE EXPOSED EDGE IN RISK AREAS.
 - APPLICABLE SPECIFICATIONS:
PRODUCT SPECIFICATION NUMBERS:
TWIN AX CABLE: PS-0284
 - ORDER BY APPLICABLE 3M PART NUMBER:
8KCE-0953-XXXX

XXXX = DIM 'A' IN MILLIMETERS
(1000 = 1 METER)

150 MM MINIMUM LENGTH.
 - FLAMMABILITY RATING:
TWINAX/AUX RIBBONS: HORIZONTAL
PCBS: UL94V-0
 - PADDLECARD FINGER GOLD THICKNESS:
0.76 μ m [30 μ "] MIN ELECTROLYTIC
HARD GOLD OVER 1.27 μ m [50 μ "]
MIN ELECTROLYTIC NICKEL.

| | | | | |
|---|---------|-------------|-----|-----|
| D | 123692 | MAY 28,2025 | JNC | MML |
| C | 0116790 | JUN 18,2024 | BJW | ML |
| B | 0102671 | FEB 14,2022 | LDS | MML |
| A | 0100323 | OCT 07,2021 | LDS | MML |

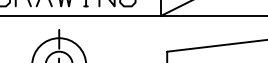
| REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
|---|-----------|----------------------------|------|------------|
| DRF | L SCHMIDT | DATE MAR 28,2021 | MFG | DATE |
| CHKD | M LETTANG | DATE JUN 18,2021 | APPL | DATE |
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| TITLE 8KCE-0953-XXXX, CABLE ASSY, PCIe X16 BY PCIe X16 EXTENDER | | | | |
| CAGE NUMBER | SIZE | DRAWING NO. | REV. | |
| D | 78-5100 | -2721-8 | D | |
| MODEL | LISTS | YES | NO | SHT 1 OF 3 |


| 3M SL8802 Cable | |
|-----------------|---------------------|
| Wire # | Pin Attachment # |
| drain | Ground Layer |
| pr_01 | B50 Differential Pr |
| pr_01 | B51 Differential Pr |
| pr_02 | Ground Layer |
| pr_02 | Ground Layer |
| pr_03 | B54 Differential Pr |
| pr_03 | B55 Differential Pr |
| pr_04 | B58 Differential Pr |
| pr_04 | B59 Differential Pr |
| drain | Ground Layer |
| pr_05 | B62 Differential Pr |
| pr_05 | B63 Differential Pr |
| pr_06 | B66 Differential Pr |
| pr_06 | B67 Differential Pr |
| pr_07 | B70 Differential Pr |
| pr_07 | B71 Differential Pr |
| drain | Ground Layer |
| pr_08 | B74 Differential Pr |
| pr_08 | B75 Differential Pr |
| pr_09 | Ground Layer |
| pr_09 | Ground Layer |
| pr_10 | B78 Differential Pr |
| pr_10 | B79 Differential Pr |
| pr_11 | B81 Single Ended |
| pr_11 | B82 Single Ended |
| drain | Ground Layer |

| Mechanical Key | | | |
|----------------|-------------------------|----------|-----|
| B12 | Clock Request Signal | CLKREQ# | B12 |
| B13 | Ground | GND | B13 |
| B14 | Transmitter Lane 0, | HSOp(0) | B14 |
| B15 | Differential pair | HSOn(0) | B15 |
| B16 | Ground | GND | B16 |
| B17 | Hotplug detect | PRSNT#2 | B17 |
| B18 | Ground | GND | B18 |
| B19 | Transmitter Lane 1, | HSOp(1) | B19 |
| B20 | Differential pair | HSOn(1) | B20 |
| B21 | Ground | GND | B21 |
| B22 | Ground | GND | B22 |
| B23 | Transmitter Lane 2, | HSOp(2) | B23 |
| B24 | Differential pair | HSOn(2) | B24 |
| B25 | Ground | GND | B25 |
| B26 | Ground | GND | B26 |
| B27 | Transmitter Lane 3, | HSOp(3) | B27 |
| B28 | Differential pair | HSOn(3) | B28 |
| B29 | Ground | GND | B29 |
| B30 | Emergency Pwr Reduct | PWRBRK# | B30 |
| B31 | Hot plug detect | PRSNT#2 | B31 |
| B32 | Ground | GND | B32 |
| B33 | Transmitter Lane 4, | HSOp(4) | B33 |
| B34 | Differential pair | HSOn(4) | B34 |
| B35 | Ground | GND | B35 |
| B36 | Ground | GND | B36 |
| B37 | Transmitter Lane 5, | HSOp(5) | B37 |
| B38 | Differential pair | HSOn(5) | B38 |
| B39 | Ground | GND | B39 |
| B40 | Ground | GND | B40 |
| B41 | Transmitter Lane 6, | HSOp(6) | B41 |
| B42 | Differential pair | HSOn(6) | B42 |
| B43 | Ground | GND | B43 |
| B44 | Ground | GND | B44 |
| B45 | Transmitter Lane 7, | HSOp(7) | B45 |
| B46 | Differential pair | HSOn(7) | B46 |
| B47 | Ground | GND | B47 |
| B48 | Hot plug detect | PRSNT#2 | B48 |
| B49 | Ground | GND | B49 |
| B50 | Transmitter Lane 8, | HSOp(8) | B50 |
| B51 | Differential pair | HSOn(8) | B51 |
| B52 | Ground | GND | B52 |
| B53 | Ground | GND | B53 |
| B54 | Transmitter Lane 9, | HSOp(9) | B54 |
| B55 | Differential pair | HSOn(9) | B55 |
| B56 | Ground | GND | B56 |
| B57 | Ground | GND | B57 |
| B58 | Transmitter Lane 10, | HSOp(10) | B58 |
| B59 | Differential pair | HSOn(10) | B59 |
| B60 | Ground | GND | B60 |
| B61 | Ground | GND | B61 |
| B62 | Transmitter Lane 11, | HSOp(11) | B62 |
| B63 | Differential pair | HSOn(11) | B63 |
| B64 | Ground | GND | B64 |
| B65 | Ground | GND | B65 |
| B66 | Transmitter Lane 12, | HSOp(12) | B66 |
| B67 | Differential pair | HSOn(12) | B67 |
| B68 | Ground | GND | B68 |
| B69 | Ground | GND | B69 |
| B70 | Transmitter Lane 13, | HSOp(13) | B70 |
| B71 | Differential pair | HSOn(13) | B71 |
| B72 | Ground | GND | B72 |
| B73 | Ground | GND | B73 |
| B74 | Transmitter Lane 14, | HSOp(14) | B74 |
| B75 | Differential pair | HSOn(14) | B75 |
| B76 | Ground | GND | B76 |
| B77 | Ground | GND | B77 |
| B78 | Transmitter Lane 15, | HSOp(15) | B78 |
| B79 | Differential pair | HSOn(15) | B79 |
| B80 | Ground | GND | B80 |
| B81 | Hot plug present detect | PRSNT#2 | B81 |
| B82 | Hot Plug Detect | RSVD#2 | B82 |

| Mechanical Key | | | |
|----------------|-------------------|----------|-----|
| A12 | Ground | GND | A12 |
| A13 | Reference Clock | REFCLK+ | A13 |
| A14 | Differential pair | REFCLK- | A14 |
| A15 | Ground | GND | A15 |
| A16 | Receiver Lane 0, | HSIp(0) | A16 |
| A17 | Differential pair | HSIn(0) | A17 |
| A18 | Ground | GND | A18 |
| A19 | Reserved | RSVD | A19 |
| A20 | Ground | GND | A20 |
| A21 | Receiver Lane 1, | HSIp(1) | A21 |
| A22 | Differential pair | HSIn(1) | A22 |
| A23 | Ground | GND | A23 |
| A24 | Ground | GND | A24 |
| A25 | Receiver Lane 2, | HSIp(2) | A25 |
| A26 | Differential pair | HSIn(2) | A26 |
| A27 | Ground | GND | A27 |
| A28 | Ground | GND | A28 |
| A29 | Receiver Lane 3, | HSIp(3) | A29 |
| A30 | Differential pair | HSIn(3) | A30 |
| A31 | Ground | GND | A31 |
| A32 | Reserved | RSVD | A32 |
| A33 | Reserved | RSVD | A33 |
| A34 | Ground | GND | A34 |
| A35 | Receiver Lane 4, | HSIp(4) | A35 |
| A36 | Differential pair | HSIn(4) | A36 |
| A37 | Ground | GND | A37 |
| A38 | Ground | GND | A38 |
| A39 | Receiver Lane 5, | HSIp(5) | A39 |
| A40 | Differential pair | HSIn(5) | A40 |
| A41 | Ground | GND | A41 |
| A42 | Ground | GND | A42 |
| A43 | Receiver Lane 6, | HSIp(6) | A43 |
| A44 | Differential pair | HSIn(6) | A44 |
| A45 | Ground | GND | A45 |
| A46 | Ground | GND | A46 |
| A47 | Receiver Lane 7, | HSIp(7) | A47 |
| A48 | Differential pair | HSIn(7) | A48 |
| A49 | Ground | GND | A49 |
| A50 | Reserved | RSVD | A50 |
| A51 | Ground | GND | A51 |
| A52 | Receiver Lane 8, | HSIp(8) | A52 |
| A53 | Differential pair | HSIn(8) | A53 |
| A54 | Ground | GND | A54 |
| A55 | Ground | GND | A55 |
| A56 | Receiver Lane 9, | HSIp(9) | A56 |
| A57 | Differential pair | HSIn(9) | A57 |
| A58 | Ground | GND | A58 |
| A59 | Ground | GND | A59 |
| A60 | Receiver Lane 10, | HSIp(10) | A60 |
| A61 | Differential pair | HSIn(10) | A61 |
| A62 | Ground | GND | A62 |
| A63 | Ground | GND | A63 |
| A64 | Receiver Lane 11, | HSIp(11) | A64 |
| A65 | Differential pair | HSIn(11) | A65 |
| A66 | Ground | GND | A66 |
| A67 | Ground | GND | A67 |
| A68 | Receiver Lane 12, | HSIp(12) | A68 |
| A69 | Differential pair | HSIn(12) | A69 |
| A70 | Ground | GND | A70 |
| A71 | Ground | GND | A71 |
| A72 | Receiver Lane 13, | HSIp(13) | A72 |
| A73 | Differential pair | HSIn(13) | A73 |
| A74 | Ground | GND | A74 |
| A75 | Ground | GND | A75 |
| A76 | Receiver Lane 14, | HSIp(14) | A76 |
| A77 | Differential pair | HSIn(14) | A77 |
| A78 | Ground | GND | A78 |
| A79 | Ground | GND | A79 |
| A80 | Receiver Lane 15, | HSIp(15) | A80 |
| A81 | Differential pair | HSIn(15) | A81 |
| A82 | Ground | GND | A82 |

| 3M SL8602 Cable | |
|---------------------|--------|
| Pin Attachment # | Wire # |
| Ground Layer | drain |
| A33 Single Ended | pr 01 |
| Ground Layer | pr 01 |
| A52 Differential Pr | pr 02 |
| A53 Differential Pr | pr 02 |
| Ground Layer | pr 03 |
| Ground Layer | pr 03 |
| A56 Differential Pr | pr 04 |
| A57 Differential Pr | pr 04 |
| Ground Layer | drain |
| A60 Differential Pr | pr 05 |
| A61 Differential Pr | pr 05 |
| A64 Differential Pr | pr 06 |
| A65 Differential Pr | pr 06 |
| A68 Differential Pr | pr 07 |
| A69 Differential Pr | pr 07 |
| Ground Layer | drain |
| A72 Differential Pr | pr 08 |
| A73 Differential Pr | pr 08 |
| A76 Differential Pr | pr 09 |
| A77 Differential Pr | pr 09 |
| Ground Layer | pr 10 |
| Ground Layer | pr 10 |
| A80 Differential Pr | pr 11 |
| A81 Differential Pr | pr 11 |
| Ground Layer | drain |

| DESIGN REFERENCE | | NEXT ASSEMBLY | |
|---|--|--|--|
| ACCESS CODES | | | |
| DIVISION | | DIVISION CODE | |
| DO NOT SCALE DRAWING | | DEPP | |
| SCALE | | TOLERANCES EXCEPT AS NOTED | |
|  | | INCHES .0 ± .00 ± .000 ± .0000 ± | |
| THIRD ANGLE PROJECTION | | MILLIMETERS | |
| INTERPRET PER ASME Y14.5 - 2018 | | .0 ± .0 ±.5 .00 ±.05 .000 ±.005 | |
| MAX. SURFACE ROUGHNESS <input checked="" type="checkbox"/> ALL SURFACES <input type="checkbox"/> MARKED ONLY | | ANGLES ± | |

| | | | | | |
|--|-----------|---|--------|--|------|
| D | 123692 | MAY 28,2024 | | JNC | MML |
| | | ADD CE LABEL | | | |
| C | 0116790 | JUN 18,2024 | | BJW | ML |
| | | REVISED NOTES 2, 3, 5, 7 | | | |
| B | 0102671 | FEB 14,2022 | | LDS | MML |
| | | ITEM 1.2 REMOVED P/Ns | | | |
| A | 0100323 | OCT 07,2021 | | LDS | MML |
| | | WORK REQUEST 13075 | | | |
| | | INITIAL RELEASE | | | |
| REV | ECO | ISSUE DATE AND DESCRIPTION | | DRFT | CHKD |
| DRFT | L SCHMIDT | DATE | MFG | DATE | |
| | | MAY 28,2021 | | | |
| CHKD | M LETTANG | DATE | APPRVL | DATE | |
| | | JUN 18,2021 | | | |
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| <div>TITLE</div> <div>8KCE-0953-XXXX, CABLE ASSY, PCIE X16 BY PCIE X16 EXTENDER</div> | | | | | |
| CAGE NUMBER | SIZE | DRAWING NO. | | | REV. |
| D | | 78-5800-2721-8 | | | D |
| MODEL | | DET. LISTS | | YES <input type="checkbox"/> NO <input type="checkbox"/> | |
| | | | | SHT 2 OF 3 | |

3M™ PCIe GEN 4 X16 EXTENDER TWIN AXIAL CABLE ASSEMBLY

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| | | | | | | | | |
|--|--|---|---------|---|------------------|--|------|---|
| | | D | 123692 | MAY 28,2025 | | JNC | MML | |
| | | C | 0116790 | ADD CE LABEL JUN 18,2024 REVISED NOTES 2, 3, S, 7 | | BJW | ML | |
| | | B | 0102671 | FEB 14,2022 ITEM 1.2 REMOVED P/Ns | | LDS | MML | |
| | | A | 0100323 | OCT 07,2021 WORK REQUEST 13075 INITIAL RELEASE | | LDS | MML | |
| DESIGN REFERENCE | | NEXT ASSEMBLY | | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| ACCESS CODES | | | | DWG L SCHMIDT | DATE MAR 28,2021 | MFG | DATE | |
| | | | | CHD M LETTAG | DATE JUN 18,2021 | APPL | DATE | |
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| | | THIRD ANGLE PROJECTION | | INCHES .0 ± .00 ± .000 ± .0000 ± | | TITLE 8KCE-0953-XXXX, CABLE ASSY, PCIE X16 BY PCIE X16 EXTENDER | | |
| INTERPRET PER ASME Y14.5 - 2018 | | MILLIMETERS 0 ±1 .0 ±.5 .00 ±.05 .000 ±.005 | | CAGE NUMBER | | SIZE | | DRAWING NO. |
| MAX SURFACE ROUGHNESS ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY | | ANGLES ± | | D | | 78-5100-2721-8 | | REV. |
| | | | | MODEL | | DET. LISTS | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| | | | | | | SHT 3 OF 6 | | |

| | |
|----------------|----------|
| 78-5100-2721-8 | D |
| DRAWING NUMBER | REVISION |

A