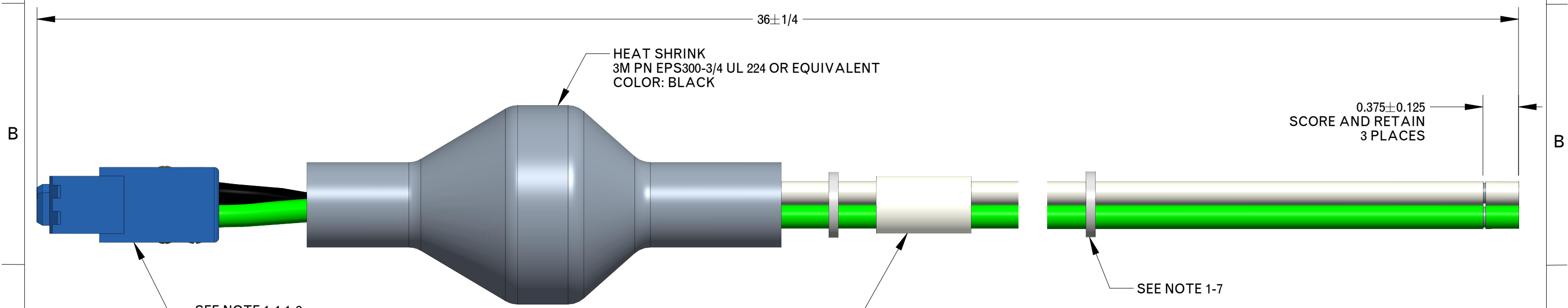


| REVISIONS |                                   |          |           |
|-----------|-----------------------------------|----------|-----------|
| REV       | DESCRIPTION                       | DATE     | APPROVED  |
| A         | RELEASE TO PROD PER ECO 20-26136  | 01/14/20 | DS        |
| B         | FIXED PINOUT PER ECO 20-26871     | 08/26/20 | DS        |
| C         | TOLERANCES PER ECO 20-27117       | 11/18/20 | K.DUBROWN |
| D         | CRIMP CONTACT PN PER ECO 22-28762 | 04/29/22 | K.DUBROWN |



TE CONNECTIVITY RT-1805 OR EQUIVALENT  
 TEXT MUST BE LEGIBLE WITH A  
 0.1" MINIMUM CHARACTER HEIGHT

**SynQor**<sup>®</sup>

LABEL FORMAT:  
 SYNQOR LOGO (AS PROVIDED)  
 CABLE # (MTQ-CBL-ACINPUTP1), SHOULD BE LARGER TEXT  
 DRAWING # (705-1000249)/REV  
 DATE CODE (YYWW)

| PIN IN # | WIRE COLOR | DESCRIPTION |
|----------|------------|-------------|
| 1        | GREEN      | GROUND      |
| 2        | BLACK      | LINE 1      |
| 3        | WHITE      | LINE 2      |

- NOTES:**
- CONNECTOR: POSITRONIC PLB3W3F0050-AA OR EQUIVALENT
  - CRIMP TERMINAL: POSITRONIC FC612N2 QTY 3 OR EQUIVALENT
  - ALL EQUIVALENT CHANGES MUST BE REVIEWED BY SYNQOR AND APPROVED PRIOR TO USE.
  - WIRE: 12 AWG UL AWM STYLE 1569 - 300V 105° C / CSA TYPE TRSR-64, 65/30 STANDING
  - INSTALL 2X AXIAL FERRITE VACUUMSCHMELZE PN T60006-L2016-W403 PER DIAGRAM ON SHEET 2
  - INSTALL HEAT SHRINK 3M PN EPS300-3/4 UL 224 OR EQUIVALENT AND CABLE LABEL TE CONNECTIVITY RT-1805 OR EQUIVALENT PER DIAGRAM ON SHEET 3
  - CABLE TIE: SPC PN# VUVT-05M-M OR EQUIVALENT, MIN TENSILE STRENGTH 18LBS. QTY 5 SPACED 6"
  - ASSEMBLE CABLE PER IPC/WHMA-A-620, CLASS 3
  - ALL PARTS MUST BE UL RECOGNIZED AND RoHS COMPLIANT
  - CABLE MANUFACTURER MUST FOLLOW CONNECTOR MANUFACTURER'S CRIMP GUIDELINES.
  - ALL PARTS/COMPONENTS MUST BE FREE OF DAMAGE, CUTS.
  - A CERTIFICATE OF CONFORMANCE (C OF C) NEEDS TO BE PROVIDED WITH EACH NEW LOT THAT INDICATES THE PARTS HAVE BEEN MANUFACTURED PER THE SPECIFICATIONS SUPPLIED BY SYNQOR.
  - TOLERANCE ON ALL LENGTH DIMENSIONS IS +/- 0.125" UNLESS OTHERWISE SPECIFIED.

|                                                                                                                                                                                                                                                                                                        |                                                               |                          |                                |                 |                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------|--------------------------------|-----------------|-----------------------------------------------|
| <b>TOLERANCES:</b><br>UNLESS OTHERWISE SPECIFIED:<br>ALL DIMENSIONS IN INCHES<br>.X +/- 0.025<br>.XX +/- 0.010<br>.XXX +/- 0.005<br>ANGLES +/- 1°                                                                                                                                                      |                                                               |                          |                                |                 | 155 SWANSON ROAD<br>BOXBOROUGH, MA 01719-1316 |
|                                                                                                                                                                                                                                                                                                        | <b>MTQ ACDC POWER INPUT CABLE</b><br><b>MTQ-CBL-ACINPUTP1</b> |                          |                                |                 |                                               |
| SOURCE: PRO/E 705-1000249_D                                                                                                                                                                                                                                                                            |                                                               |                          |                                |                 |                                               |
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| SCALE: 1.000                                                                                                                                                                                                                                                                                           |                                                               | DRAWN: KJD               | CHECK:                         | SHEET 1 of 3    |                                               |

1

2

3

4

A

A

B

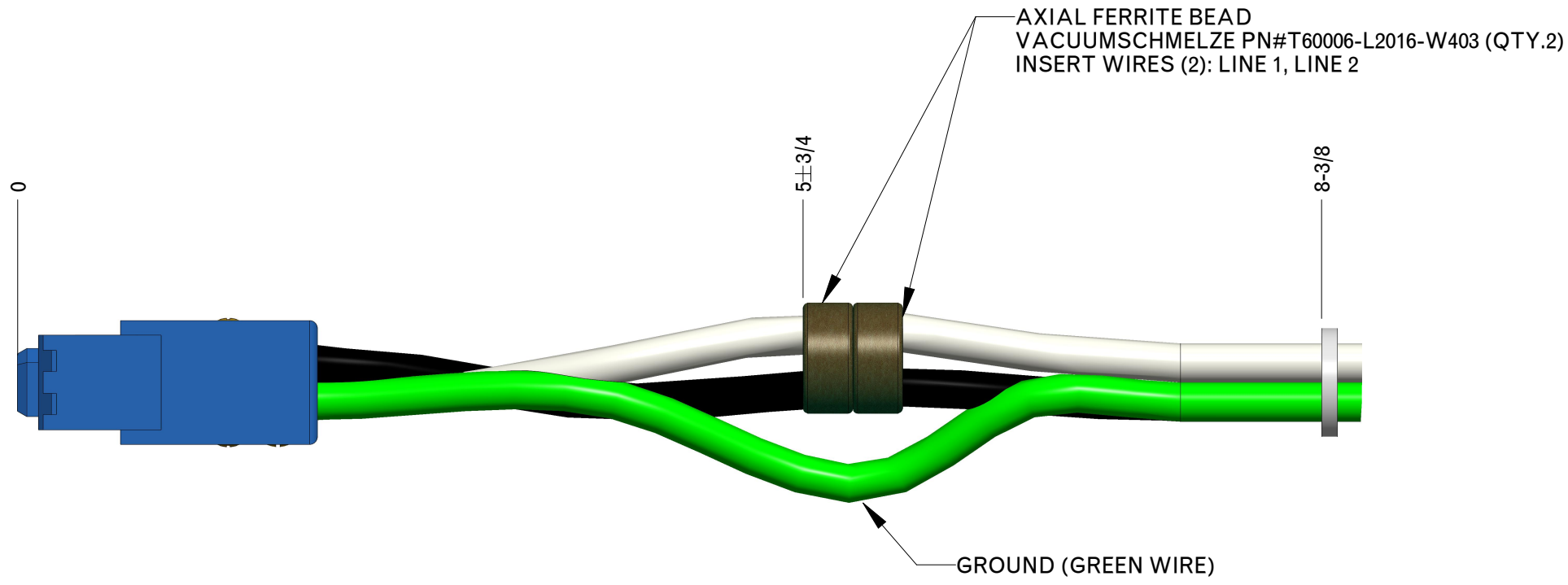
B

C

C

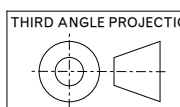

D

D



| WIRE COLOR | DESCRIPTION |
|------------|-------------|
| GREEN      | GROUND      |
| WHITE      | LINE 2      |
| BLACK      | LINE 1      |

NOTES:  
 2-1. INSTALL 2X AXIAL FERRITE VACUUMSCHMELZE PN T60006-L2016-W403 PER SHEET 2 DIAGRAM  
 2-2. TOLERANCE ON ALL LENGTH DIMENSIONS IS +/- 0.125" UNLESS OTHERWISE SPECIFIED.

|                                                                                                                                                   |           |                                                                                       |  |                                                                                       |  |                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------------------------------------|--|
| <b>TOLERANCES:</b><br>UNLESS OTHERWISE SPECIFIED:<br>ALL DIMENSIONS IN INCHES<br>.X +/- 0.025<br>.XX +/- 0.010<br>.XXX +/- 0.005<br>ANGLES +/- 1° |           |  |  |  |  | 155 SWANSON ROAD<br>BOXBOROUGH, MA 01719-1316 |  |
|                                                                                                                                                   |           |                                                                                       |  | <b>MTQ ACDC POWER INPUT CABLE</b><br><b>MTQ-CBL-ACINPUTP1</b>                         |  |                                               |  |
| SOURCE: PRO/E 705-1000249_D                                                                                                                       |           |                                                                                       |  |                                                                                       |  |                                               |  |
| SIZE                                                                                                                                              | DATE      | DWG. NO.                                                                              |  | REV                                                                                   |  |                                               |  |
| B                                                                                                                                                 | APR-29-22 | 705-1000249                                                                           |  | D                                                                                     |  |                                               |  |
| SCALE: 1.500                                                                                                                                      |           | DRAWN: KJD                                                                            |  | CHECK:                                                                                |  | SHEET 2 of 3                                  |  |

1

2

3

4

1

2

3

4

A

A

B

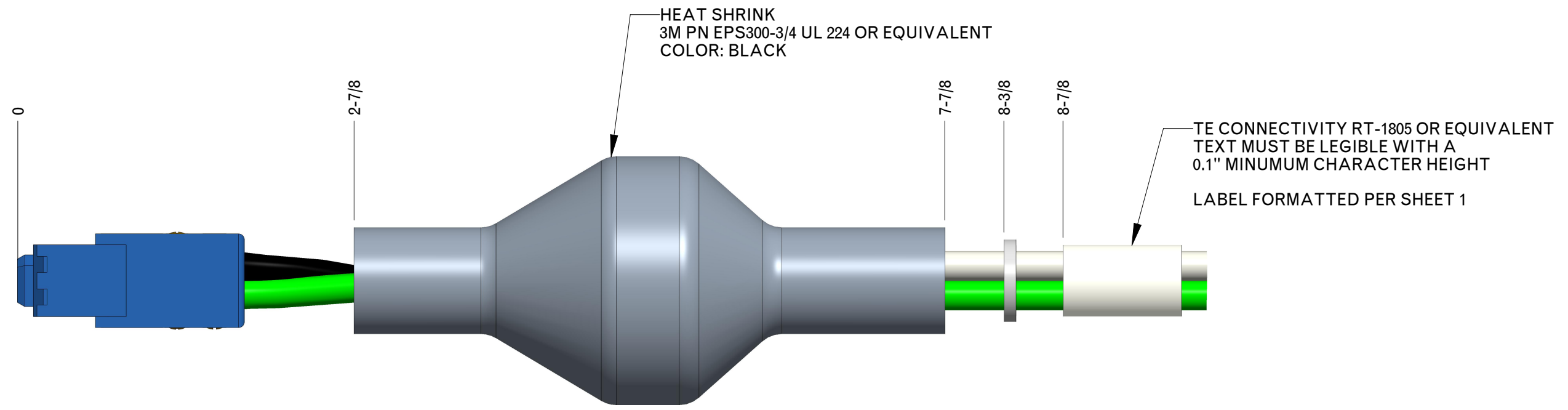
B

C

C

D

D



| WIRE COLOR | DESCRIPTION |
|------------|-------------|
| GREEN      | GROUND      |
| WHITE      | LINE 2      |
| BLACK      | LINE 1      |

NOTES:  
 3-1. INSTALL HEAT SHRINK AND LABEL PER SHEET 3  
 3-2. TOLERANCE ON ALL LENGTH DIMENSIONS IS +/- 0.125" UNLESS OTHERWISE SPECIFIED.

|                                                                                                                                                                                                                                                                                                        |                                                               |                          |                                |                 |                                               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------|--------------------------------|-----------------|-----------------------------------------------|--|
| <b>TOLERANCES:</b><br>UNLESS OTHERWISE SPECIFIED:<br>ALL DIMENSIONS IN INCHES<br>.X +/- 0.025<br>.XX +/- 0.010<br>.XXX +/- 0.005<br>ANGLES +/- 1°                                                                                                                                                      |                                                               |                          |                                |                 | 155 SWANSON ROAD<br>BOXBOROUGH, MA 01719-1316 |  |
|                                                                                                                                                                                                                                                                                                        | <b>MTQ ACDC POWER INPUT CABLE</b><br><b>MTQ-CBL-ACINPUTP1</b> |                          |                                |                 | <b>MTQ-CBL-ACINPUTP1</b>                      |  |
| SOURCE: PRO/E 705-1000249_D                                                                                                                                                                                                                                                                            |                                                               |                          |                                |                 |                                               |  |
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| SCALE: 1.500                                                                                                                                                                                                                                                                                           |                                                               | DRAWN: KJD               | CHECK:                         | SHEET 3 of 3    |                                               |  |

1

2

3

4