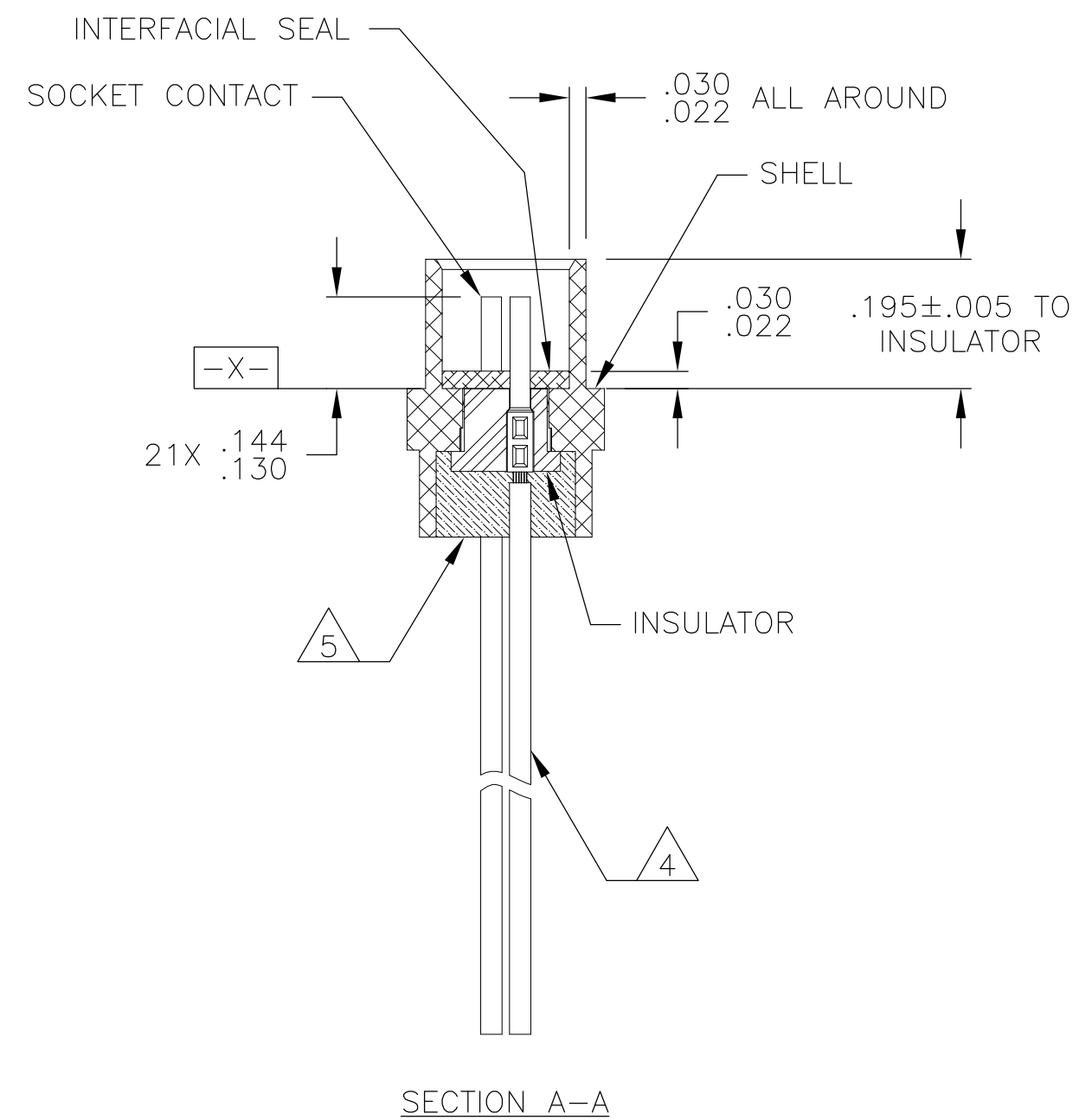
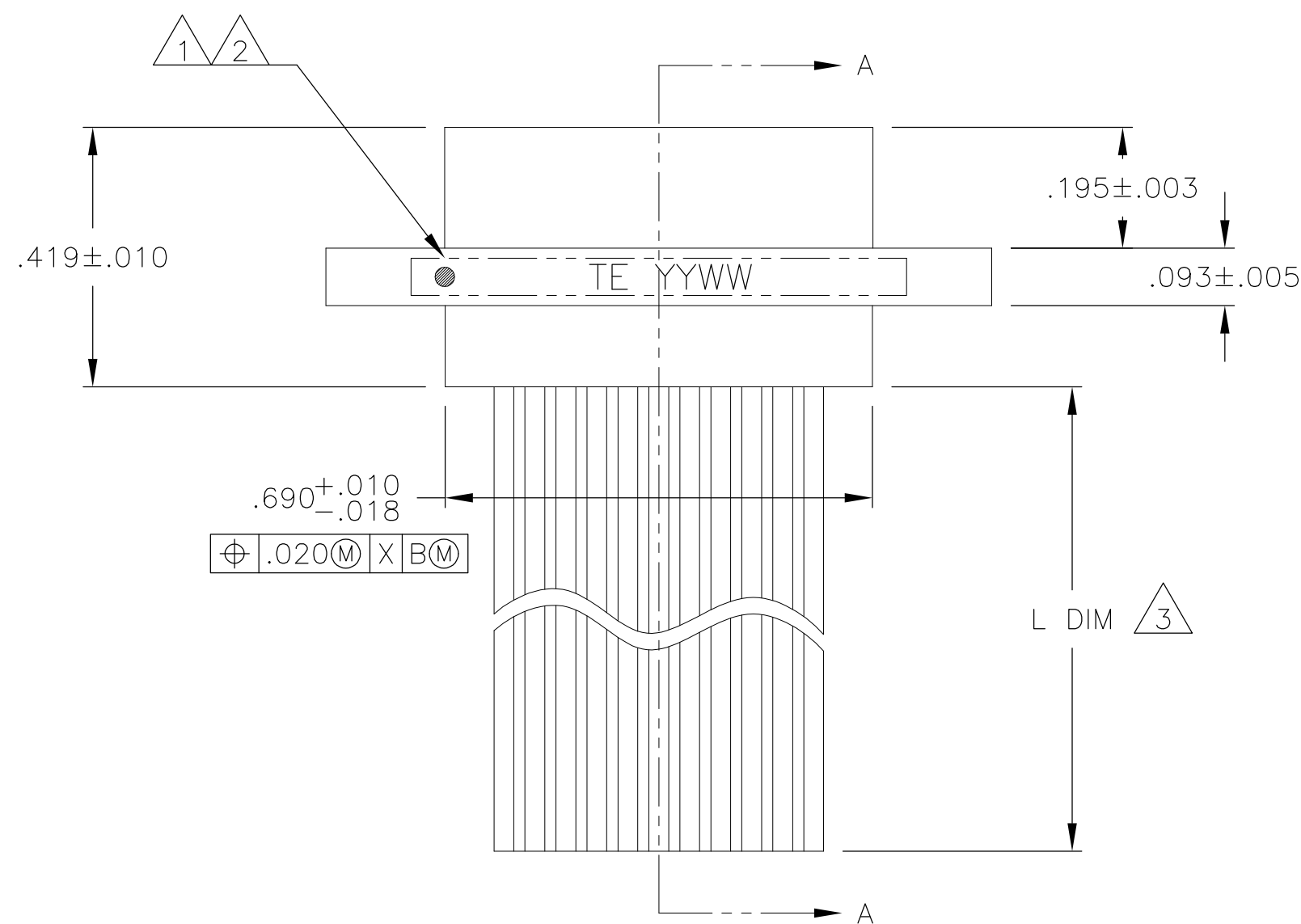
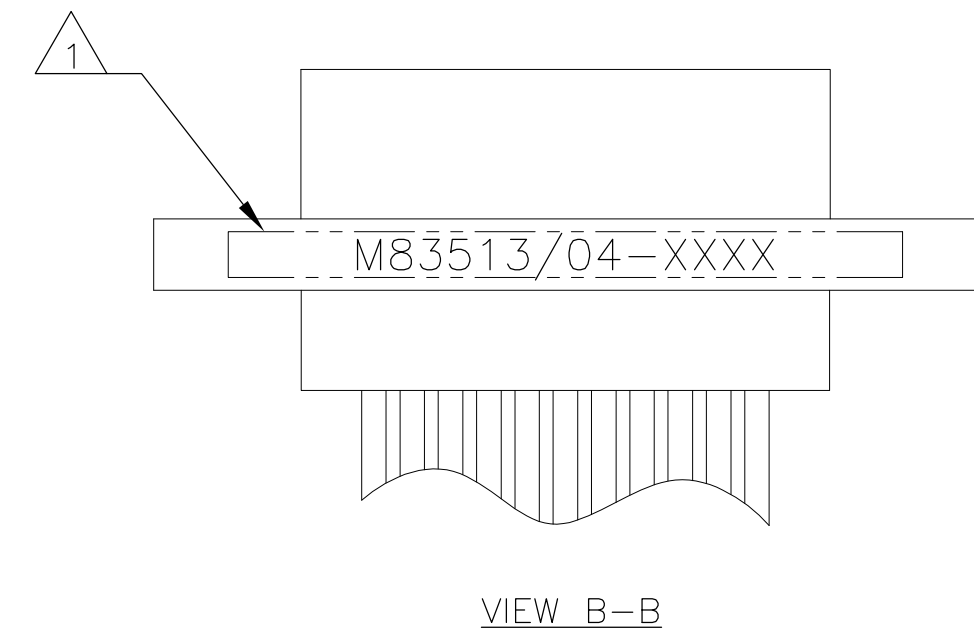
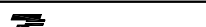




- |   |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1 | CONNECTOR SHALL BE MARKED IN ACCORDANCE WITH METHOD I OF MIL-STD-1285. MARKING SHALL CONTAIN THE MILITARY PIN, CAGE CODE (OR TE), AND DATE CODE. EXAMPLE: M83513/04-XXXX TE YYWW (WHERE XXXX IS PART OF THE PIN SHOWN IN THE "MIL-DTL-83513" COLUMN OF THE PART NUMBER TABLE, AND YYWW IS THE DATE CODE). FOR THE SIZE 21 RECEPTACLE, THE MARKING MUST BE PRINTED ON BOTH SIDES OF THE FLANGE. TEXT HEIGHT SHALL BE .035 INCH MINIMUM. |  |
| 2 | POSITION 1 SHALL BE INDICATED BY AN IDENTIFIABLE MARK, LOCATED APPROXIMATELY AS SHOWN ON THE POSITION 1 SIDE OF THE CONNECTOR FLANGE. THIS MARK SHALL BE INCLUDED AS PART OF THE PART MARKING INFORMATION.                                                                                                                                                                                                                             |  |
| 3 | LENGTH IS SHOWN IN THE "L DIM" COLUMN OF THE PART NUMBER TABLE. LENGTH TOLERANCE IS +1.0/-0.0 FOR INSULATED WIRE TERMINATIONS, AND +0.20/-0.00 FOR UNINSULATED WIRE TERMINATIONS                                                                                                                                                                                                                                                       |  |
| 4 | INSULATED WIRE IS SHOWN FOR REFERENCE ONLY. PART MAY BE TERMINATED WITH INSULATED OR UNINSULATED WIRE ACCORDING TO THE PART NUMBER TABLE.                                                                                                                                                                                                                                                                                              |  |
| 5 | EPOXY ENCAPSULATION. EPOXY MAY WICK .125 INCH MAX FOR INSULATED WIRE, AND .050 INCH MAX FOR UNINSULATED WIRE.                                                                                                                                                                                                                                                                                                                          |  |
| 6 | ALL DIMENSIONS AND REQUIREMENTS ARE PER MIL-DTL-83513/4                                                                                                                                                                                                                                                                                                                                                                                |  |

|                                                                                       |  |                                            |  |                                                                                                                                                             |                 |                    |
|---------------------------------------------------------------------------------------|--|--------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>B. ROMANCHUK03 SEP 08               |  |  <div>Tyco Electronics Corporation<br/>Harrisburg, PA 17105-3608</div> |                 |                    |
|                                                                                       |  | CHK<br>—                                   |  |                                                                                                                                                             |                 |                    |
| DIMENSIONS:<br>INCHES                                                                 |  | TOLERANCES, UNLESS<br>OTHERWISE SPECIFIED: |  | NAME                                                                                                                                                        |                 |                    |
|  |  | APVD<br>M. STORRY03 SEP 08                 |  | RECEPTACLE ASSEMBLY,<br>MICRO-D PER MIL-DTL-83513/04,<br>MCKS SERIES, 21 POSITION                                                                           |                 |                    |
|                                                                                       |  | PRODUCT SPEC<br>—                          |  |                                                                                                                                                             |                 |                    |
|                                                                                       |  | APPLICATION SPEC<br>—                      |  |                                                                                                                                                             |                 |                    |
|                                                                                       |  | SIZE<br>A2                                 |  |                                                                                                                                                             |                 | CAGE CODE<br>98278 |
| MATERIAL<br>SEE NOTES                                                                 |  | FINISH<br>—                                |  | WEIGHT<br>—                                                                                                                                                 |                 |                    |
| CUSTOMER DRAWING                                                                      |  |                                            |  | SCALE<br>4:1                                                                                                                                                | SHEET<br>1 of 2 | REV<br>A           |

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

| TE<br>PART NUMBER |  |  |               |                       |  |
|-------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-----------------------|--|
|                   | L DIM                                                                             | MIL-DTL-83513 PIN                                                                   | MICRODOT P/N  | MCKS DESCRIPTION      |  |
| 1532173-1         | 18                                                                                | M83513/04-C01N                                                                      | 094-6326-0001 | MCKS-N1-B-21S6G1-18.0 |  |
| 1532173-2         | 36                                                                                | M83513/04-C02N                                                                      | 094-6326-0002 | MCKS-N1-B-21S6G1-36.0 |  |
| 1532173-3         | 18                                                                                | M83513/04-C03N                                                                      | 094-6326-0003 | MCKS-N1-B-21S6G9-18.0 |  |
| 1532173-4         | 36                                                                                | M83513/04-C04N                                                                      | 094-6326-0004 | MCKS-N1-B-21S6G9-36.0 |  |
| 1532173-5         | 18                                                                                | M83513/04-C09N                                                                      | 094-6326-0009 | MCKS-N1-B-21S6Q1-18.0 |  |
| 1532173-6         | 36                                                                                | M83513/04-C10N                                                                      | 094-6326-0010 | MCKS-N1-B-21S6Q1-36.0 |  |
| 1532173-7         | 18                                                                                | M83513/04-C11N                                                                      | 094-6326-0011 | MCKS-N1-B-21S6Q9-18.0 |  |
| 1532173-8         | 36                                                                                | M83513/04-C12N                                                                      | 094-6326-0012 | MCKS-N1-B-21S6Q9-36.0 |  |
| 1532173-9         | 72                                                                                | M83513/04-C13N                                                                      | 094-6326-0013 | MCKS-N1-B-21S6G1-72.0 |  |
| 1-1532173-0       | 72                                                                                | M83513/04-C14N                                                                      | 094-6326-0014 | MCKS-N1-B-21S6G9-72.0 |  |
| 1-1532173-1       | 72                                                                                | M83513/04-C15N                                                                      | 094-6326-0015 | MCKS-N1-B-21S6Q1-72.0 |  |
| 1-1532173-2       | 72                                                                                | M83513/04-C16N                                                                      | 094-6326-0016 | MCKS-N1-B-21S6Q9-72.0 |  |
| 1-1532173-3       | 0.5                                                                               | M83513/04-C05N                                                                      | 094-6326-0005 | MCKS-N1-B-21S5L4-0.5  |  |
| 1-1532173-4       | 1.0                                                                               | M83513/04-C06N                                                                      | 094-6326-0006 | MCKS-N1-B-21S5L4-1.0  |  |
| 1-1532173-5       | 0.5                                                                               | M83513/04-C07N                                                                      | 094-6326-0007 | MCKS-N1-B-21S5L5-0.5  |  |
| 1-1532173-6       | 1.0                                                                               | M83513/04-C08N                                                                      | 094-6326-0008 | MCKS-N1-B-21S5L5-1.0  |  |
| 1-1532173-7       | 18                                                                                | M83513/04-C01C                                                                      | 094-6336-0001 | MCKS-C2-B-21S6G1-18.0 |  |
| 1-1532173-8       | 36                                                                                | M83513/04-C02C                                                                      | 094-6336-0002 | MCKS-C2-B-21S6G1-36.0 |  |
| 1-1532173-9       | 18                                                                                | M83513/04-C03C                                                                      | 094-6336-0003 | MCKS-C2-B-21S6G9-18.0 |  |
| 2-1532173-0       | 36                                                                                | M83513/04-C04C                                                                      | 094-6336-0004 | MCKS-C2-B-21S6G9-36.0 |  |
| 2-1532173-1       | 0.5                                                                               | M83513/04-C05C                                                                      | 094-6336-0005 | MCKS-C2-B-21S5L4-0.5  |  |
| 2-1532173-2       | 1.0                                                                               | M83513/04-C06C                                                                      | 094-6336-0006 | MCKS-C2-B-21S5L4-1.0  |  |
| 2-1532173-3       | 0.5                                                                               | M83513/04-C07C                                                                      | 094-6336-0007 | MCKS-C2-B-21S5L5-0.5  |  |
| 2-1532173-4       | 1.0                                                                               | M83513/04-C08C                                                                      | 094-6336-0008 | MCKS-C2-B-21S5L5-1.0  |  |
| 2-1532173-5       | 18                                                                                | M83513/04-C09C                                                                      | 094-6336-0009 | MCKS-C2-B-21S6Q1-18.0 |  |
| 2-1532173-6       | 36                                                                                | M83513/04-C10C                                                                      | 094-6336-0010 | MCKS-C2-B-21S6Q1-36.0 |  |
| 2-1532173-7       | 18                                                                                | M83513/04-C11C                                                                      | 094-6336-0011 | MCKS-C2-B-21S6Q9-18.0 |  |
| 2-1532173-8       | 36                                                                                | M83513/04-C12C                                                                      | 094-6336-0012 | MCKS-C2-B-21S6Q9-36.0 |  |
| 2-1532173-9       | 72                                                                                | M83513/04-C13C                                                                      | 094-6336-0013 | MCKS-C2-B-21S6G1-72.0 |  |
| 3-1532173-0       | 72                                                                                | M83513/04-C14C                                                                      | 094-6336-0014 | MCKS-C2-B-21S6G9-72.0 |  |
| 3-1532173-1       | 72                                                                                | M83513/04-C15C                                                                      | 094-6336-0015 | MCKS-C2-B-21S6Q1-72.0 |  |
| 3-1532173-2       | 72                                                                                | M83513/04-C16C                                                                      | 094-6336-0016 | MCKS-C2-B-21S6Q9-72.0 |  |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
INCHES

MATERIAL

-

DWN  
B. ROMANCHUK

CHK  
—

APVD  
M. STORRY

PRODUCT SPEC  
—

APPLICATION SPEC  
—

WEIGHT  
—

CUSTOMER DRAWING

03 SEP 08

03 SEP 08

SIZE  
A2

SCALE  
4:1

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -  
1 PLC ± -  
2 PLC ± -  
3 PLC ± -  
4 PLC ± -  
ANGLES ± -  
FINISH -

FINISH  
—

Tyco Electronics Corporation  
Harrisburg, PA 17105-3608

NAME  
RECEPTACLE ASSEMBLY,  
MICRO-D PER MIL-DTL-83513/04,  
MCKS SERIES, 21 POSITION

SIZE  
A2

CAGE CODE  
98278

DRAWING NO  
C=1532173

RESTRICTED TO  
—

SHEET  
2 of 2

REV  
A

# Mouser Electronics

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