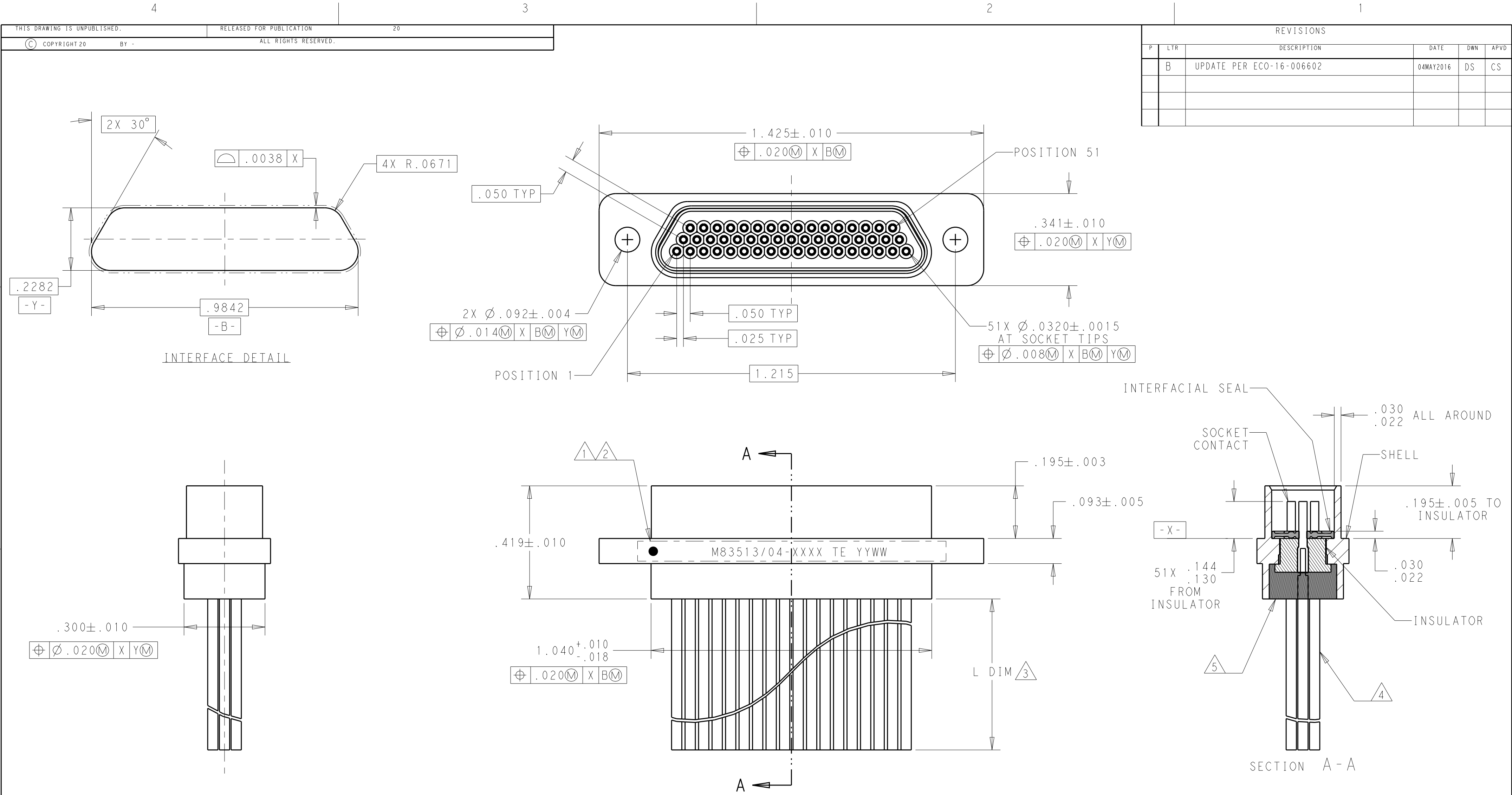




- 1 CONNECTOR SHALL BE MARKED IN ACCORDANCE WITH METHOD 1 OF MIL-STD-1285. MARKING SHALL CONTAIN THE MILITARY PIN, CAGE CODE (OR TE), AND DATE CODE. EXAMPLE: M83513/04-XXXX TE YYWW (WHERE XXXX IS PART OF THE PIN SHOWN IN THE "MIL-DTL-83513" COLUMN OF THE PART NUMBER TABLE, AND YYWW IS THE DATE CODE). 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 ROMANCHUK                        | 03SEP2008                                                      | TE Connectivity                                                                         |  |          |  |
| DIMENSIONS:<br>IN                                             |  | CHK<br>-                                  | -                                                              | NAME<br>RECEPTACLE ASSEMBLY<br>MICRO-D PER MIL-DTL 83513/04<br>MCKS SERIES, 51 POSITION |  |          |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                        |  | APVD<br>M STORRY                          | 03SEP2008                                                      | SIZE<br>A2                                                                              |  |          |  |
| 0 PLC<br>1 PLC<br>2 PLC<br>3 PLC<br>4 PLC<br>ANGLES<br>FINISH |  | ±<br>±<br>±.010<br>±.005<br>±<br>±1°<br>- | PRODUCT SPEC<br>APPLICATION SPEC<br>WEIGHT<br>CUSTOMER DRAWING | CAGE CODE<br>A298278                                                                    |  |          |  |
| MATERIAL<br>SEE NOTES                                         |  | -                                         | -                                                              | DRAWING NO<br>C-1532177                                                                 |  |          |  |
| -                                                             |  | -                                         | -                                                              | RESTRICTED TO<br>-                                                                      |  |          |  |
|                                                               |  | SCALE<br>4:1                              |                                                                | SHEET<br>1 OF 2                                                                         |  | REV<br>B |  |

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REVISIONS

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

3

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| TE<br>PART NUMBER | L DIM | MIL-DTL-83513 PIN | MICRODOT P/N  | MCKS DESCRIPTION      |
|-------------------|-------|-------------------|---------------|-----------------------|
| 1532177-1         | 18    | M83513/04-G01N    | 094-6726-0001 | MCKS-N1-B-51S6G1-18.0 |
| 1532177-2         | 36    | M83513/04-G02N    | 094-6726-0002 | MCKS-N1-B-51S6G1-36.0 |
| 1532177-3         | 18    | M83513/04-G03N    | 094-6726-0003 | MCKS-N1-B-51S6G9-18.0 |
| 1532177-4         | 36    | M83513/04-G04N    | 094-6726-0004 | MCKS-N1-B-51S6G9-36.0 |
| 1532177-5         | 18    | M83513/04-G09N    | 094-6726-0009 | MCKS-N1-B-51S6Q1-18.0 |
| 1532177-6         | 36    | M83513/04-G10N    | 094-6726-0010 | MCKS-N1-B-51S6Q1-36.0 |
| 1532177-7         | 18    | M83513/04-G11N    | 094-6726-0011 | MCKS-N1-B-51S6Q9-18.0 |
| 1532177-8         | 36    | M83513/04-G12N    | 094-6726-0012 | MCKS-N1-B-51S6Q9-36.0 |
| 1532177-9         | 72    | M83513/04-G13N    | 094-6726-0013 | MCKS-N1-B-51S6G1-72.0 |
| 1-1532177-0       | 72    | M83513/04-G14N    | 094-6726-0014 | MCKS-N1-B-51S6G9-72.0 |
| 1-1532177-1       | 72    | M83513/04-G15N    | 094-6726-0015 | MCKS-N1-B-51S6Q1-72.0 |
| 1-1532177-2       | 72    | M83513/04-G16N    | 094-6726-0016 | MCKS-N1-B-51S6Q9-72.0 |
| 1-1532177-3       | 0.5   | M83513/04-G05N    | 094-6726-0005 | MCKS-N1-B-51S5L4-0.5  |
| 1-1532177-4       | 1.0   | M83513/04-G06N    | 094-6726-0006 | MCKS-N1-B-51S5L4-1.0  |
| 1-1532177-5       | 0.5   | M83513/04-G07N    | 094-6726-0007 | MCKS-N1-B-51S5L5-0.5  |
| 1-1532177-6       | 1.0   | M83513/04-G08N    | 094-6726-0008 | MCKS-N1-B-51S5L5-1.0  |
| 1-1532177-7       | 18    | M83513/04-G01C    | 094-6736-0001 | MCKS-C2-B-51S6G1-18.0 |
| 1-1532177-8       | 36    | M83513/04-G02C    | 094-6736-0002 | MCKS-C2-B-51S6G1-36.0 |
| 1-1532177-9       | 18    | M83513/04-G03C    | 094-6736-0003 | MCKS-C2-B-51S6G9-18.0 |
| 2-1532177-0       | 36    | M83513/04-G04C    | 094-6736-0004 | MCKS-C2-B-51S6G9-36.0 |
| 2-1532177-1       | 0.5   | M83513/04-G05C    | 094-6736-0005 | MCKS-C2-B-51S5L4-0.5  |
| 2-1532177-2       | 1.0   | M83513/04-G06C    | 094-6736-0006 | MCKS-C2-B-51S5L4-1.0  |
| 2-1532177-3       | 0.5   | M83513/04-G07C    | 094-6736-0007 | MCKS-C2-B-51S5L5-0.5  |
| 2-1532177-4       | 1.0   | M83513/04-G08C    | 094-6736-0008 | MCKS-C2-B-51S5L5-1.0  |
| 2-1532177-5       | 18    | M83513/04-G09C    | 094-6736-0009 | MCKS-C2-B-51S6Q1-18.0 |
| 2-1532177-6       | 36    | M83513/04-G10C    | 094-6736-0010 | MCKS-C2-B-51S6Q1-36.0 |
| 2-1532177-7       | 18    | M83513/04-G11C    | 094-6736-0011 | MCKS-C2-B-51S6Q9-18.0 |
| 2-1532177-8       | 36    | M83513/04-G12C    | 094-6736-0012 | MCKS-C2-B-51S6Q9-36.0 |
| 2-1532177-9       | 72    | M83513/04-G13C    | 094-6736-0013 | MCKS-C2-B-51S6G1-72.0 |
| 3-1532177-0       | 72    | M83513/04-G14C    | 094-6736-0014 | MCKS-C2-B-51S6G9-72.0 |
| 3-1532177-1       | 72    | M83513/04-G15C    | 094-6736-0015 | MCKS-C2-B-51S6Q1-72.0 |
| 3-1532177-2       | 72    | M83513/04-G16C    | 094-6736-0016 | MCKS-C2-B-51S6Q9-72.0 |

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| TE<br>PART NUMBER | L DIM | MIL-DTL-83513 PIN | MICRODOT P/N  | MCKS DESCRIPTION      |
|-------------------|-------|-------------------|---------------|-----------------------|
| 3-1532177-3       | 18    | M83513/04-G01P    | 094-6746-0001 | MCKS-P1-B-51S6G1-18.0 |
| 3-1532177-4       | 36    | M83513/04-G02P    | 094-6746-0002 | MCKS-P1-B-51S6G1-36.0 |
| 3-1532177-5       | 18    | M83513/04-G03P    | 094-6746-0003 | MCKS-P1-B-51S6G9-18.0 |
| 3-1532177-6       | 36    | M83513/04-G04P    | 094-6746-0004 | MCKS-P1-B-51S6G9-36.0 |
| 3-1532177-7       | 0.5   | M83513/04-G05P    | 094-6746-0005 | MCKS-P1-B-51S5L4-0.5  |
| 3-1532177-8       | 1.0   | M83513/04-G06P    | 094-6746-0006 | MCKS-P1-B-51S5L4-1.0  |
| 3-1532177-9       | 0.5   | M83513/04-G07P    | 094-6746-0007 | MCKS-P1-B-51S5L5-0.5  |
| 4-1532177-0       | 1.0   | M83513/04-G08P    | 094-6746-0008 | MCKS-P1-B-51S5L5-1.0  |
| 4-1532177-1       | 18    | M83513/04-G09P    | 094-6746-0009 | MCKS-P1-B-51S6Q1-18.0 |
| 4-1532177-2       | 36    | M83513/04-G10P    | 094-6746-0010 | MCKS-P1-B-51S6Q1-36.0 |
| 4-1532177-3       | 18    | M83513/04-G11P    | 094-6746-0011 | MCKS-P1-B-51S6Q9-18.0 |
| 4-1532177-4       | 36    | M83513/04-G12P    | 094-6746-0012 | MCKS-P1-B-51S6Q9-36.0 |
| 4-1532177-5       | 72    | M83513/04-G13P    | 094-6746-0013 | MCKS-P1-B-51S6G1-72.0 |
| 4-1532177-6       | 72    | M83513/04-G14P    | 094-6746-0014 | MCKS-P1-B-51S6G9-72.0 |
| 4-1532177-7       | 72    | M83513/04-G15P    | 094-6746-0015 | MCKS-P1-B-51S6Q1-72.0 |
| 4-1532177-8       | 72    | M83513/04-G16P    | 094-6746-0016 | MCKS-P1-B-51S6Q9-72.0 |

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DWN  
B ROMANCHUK

03SEP2008

CHK  
-

APVD  
M STORRY

03SEP2008

PRODUCT SPEC  
-

APPLICATION SPEC  
-

WEIGHT  
-

CUSTOMER DRAWING

DIMENSIONS:  
IN

0 PLC ±-

1 PLC ±-

2 PLC ±.010

3 PLC ±.005

4 PLC ±-

ANGLES ±1°

FINISH  
-  
-

TE Connectivity

RECEPTACLE ASSEMBLY  
MICRO-D PER MIL-DTL 83513/04  
MCKS SERIES, 51 POSITION

SIZE  
A2

CAGE CODE  
98278

DRAWING NO  
C-1532177

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
2 OF 2

REV  
B

1471-9 (3/13)