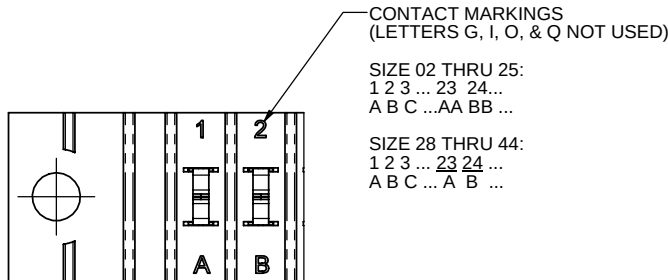
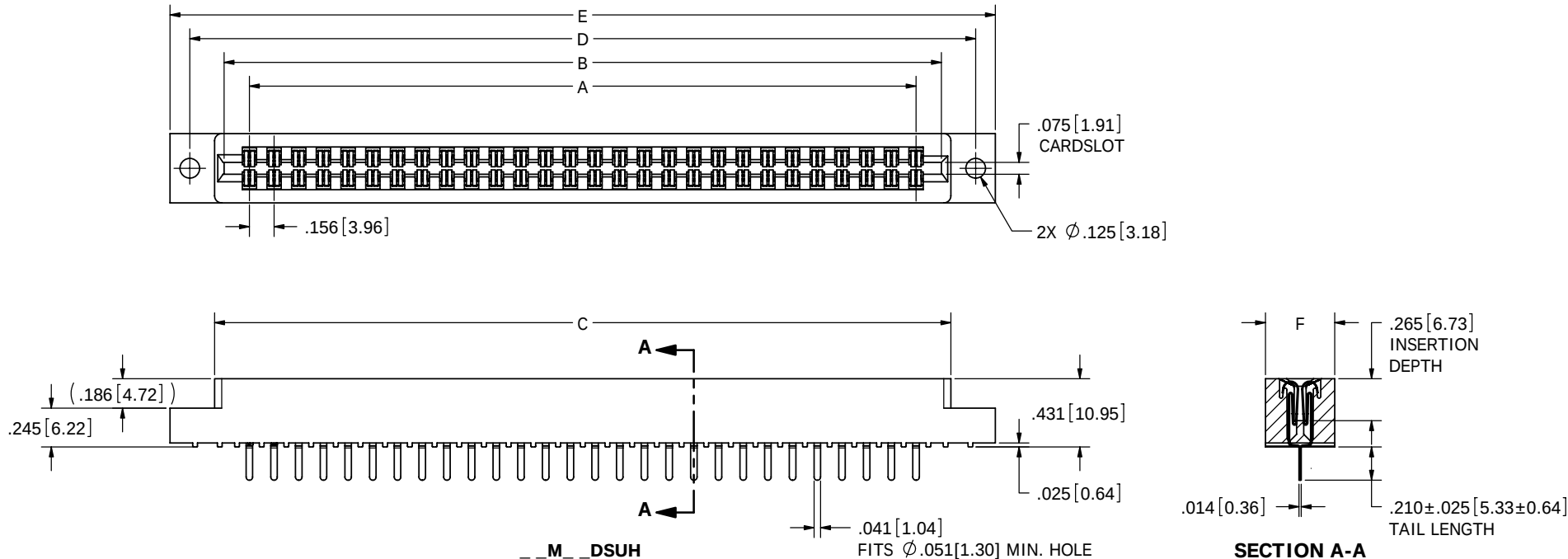


| REVISIONS |         |                                            |           |    |
|-----------|---------|--------------------------------------------|-----------|----|
| REV.      | ECO. NO | DESCRIPTION                                | DATE      | BY |
| A         | 1628    | INITIAL RELEASE                            | 3/4/2008  | MV |
| B         | 1662    | UPDATE DRAWING FORMAT & PART NUMBER CODING | 4/28/2008 | VJ |



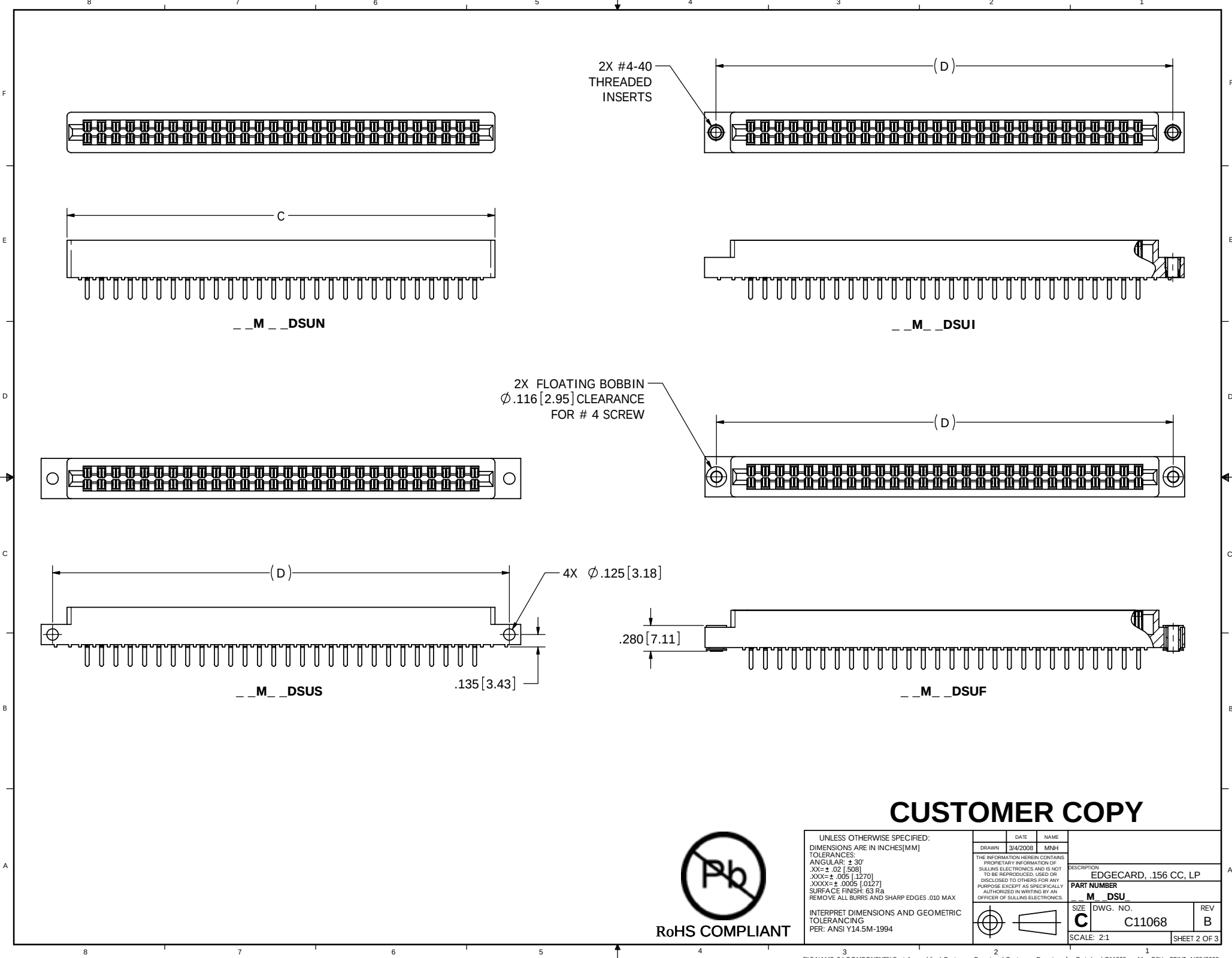
- NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING.
  2. CONTACT MATERIAL: SEE PART NUMBER CODING.
  3. PLATING: SEE PART NUMBER CODING.
  4. TEMPERATURE: SEE PART NUMBER CODING.
  5. PROCESSING TEMP: SEE PART NUMBER CODING.
  6. UL FLAMMABILITY RATING: 94V-0.
  7. VOLTAGE RATING: 1800 VDC MINIMUM AT SEA LEVEL.
  8. CURRENT RATING: SEE PART NUMBER CODING.
  9. VOLTAGE DROP: 30 MILLI VOLT AT RATED CURRENT.
  10. INSULATION RESISTANCE: 5000 MEGA OHMS.
  11. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND BARCODE.
  12. BOARD THICKNESS ACCOMMODATED: .062  $\pm .008 [1.57 \pm 0.20]$ .
  13. BOARD INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062 [1.57] TEST BLADE. INTERNAL INSPECTION TO BE PER SULLIN'S WORK INSTRUCTION W17.3-01.
  14. BOARD WITHDRAWAL FORCE: 1 OUNCE MINIMUM PER CONTACT PAIR USING .062 [1.57] PCB.



RoHS COMPLIANT

## CUSTOMER COPY

|                                                                                                                                                                                                                                                               |  |                                       |             |                       |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|-------------|-----------------------|----------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]<br>TOLERANCES:<br>ANGULAR: $\pm 30^\circ$<br>.XX = $\pm .02 [508]$<br>.XXX = $\pm .005 [1270]$<br>XXXX = $\pm .0005 [0127]$<br>SURFACE FINISH: 63 Ra<br>REMOVE ALL BURRS AND SHARP EDGES .010 MAX |  | DATE<br>3/4/2008                      | NAME<br>MNH |                       |          |
| THE INFORMATION HEREIN CONTAINS<br>PROPRIETARY INFORMATION OF<br>SULLIN ELECTRONICS AND IS NOT<br>TO BE REPRODUCED, USED OR<br>DISCLOSED TO OTHERS FOR ANY<br>PURPOSE EXCEPT AS SPECIFICALLY<br>AUTHORIZED IN WRITING BY AN<br>OFFICER OF SULLIN ELECTRONICS. |  | DESCRIPTION<br>EDGE CARD, .156 CC, LP |             | PART NUMBER<br>M_DSUH |          |
| INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5M-1994                                                                                                                                                                                    |  | SIZE<br>C                             |             | DWG. NO.<br>C11068    | REV<br>B |
|                                                                                                                                                                                                                                                               |  | SCALE: 2:1                            |             | SHEET 1 OF 3          |          |



CUSTOMER COPY

|                                                                                                                                                                                                                                                                 |  |           |          |                    |                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|----------|--------------------|---------------------------------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]<br>TOLERANCES:<br>ANGULAR: ± 30°<br>.XX=± .02 [.508]<br>.XXX=± .005 [.127]<br>XXXX=± .0005 [.0127]<br>SURFACE FINISH: 63 Ra<br>REMOVE ALL BURRS AND SHARP EDGES .010 MAX                            |  | DRAWN     | DATE     | NAME               | DESCRIPTION<br>EDGE CARD, .156 CC, LP |
| THE INFORMATION HEREIN CONTAINS<br>PROPRIETARY INFORMATION OF<br>SULLINS ELECTRONICS AND IS NOT<br>TO BE REPRODUCED, USED OR<br>DISCLOSED TO OTHERS FOR ANY<br>PURPOSE EXCEPT AS SPECIFICALLY<br>AUTHORIZED IN WRITING BY AN<br>OFFICER OF SULLINS ELECTRONICS. |  |           | 3/4/2008 | MNH                |                                       |
| INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5M-1994                                                                                                                                                                                      |  |           |          |                    |                                       |
| PART NUMBER<br>M_DSU                                                                                                                                                                                                                                            |  | SIZE<br>C |          | DWG. NO.<br>C11068 | REV<br>B                              |
| SCALE: 2:1                                                                                                                                                                                                                                                      |  |           |          | SHEET 2 OF 3       |                                       |

|             |                |                |        |                |        |                |        |                |        |                |        | Only applies for<br>PPS/ PEEK<br>insulators with<br>threaded inSURts<br>or floats |        |                |       |
|-------------|----------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|-----------------------------------------------------------------------------------|--------|----------------|-------|
| PART NUMBER | NO. OF<br>POS. | A ± .008[0.20] |        | B ± .008[0.20] |        | C ± .015[0.38] |        | D ± .010[0.25] |        | E ± .020[0.51] |        | E ± .020[0.51]                                                                    |        | F ± .005[0.13] |       |
|             |                | IN             | MM     | IN             | MM     | IN             | MM     | IN             | MM     | IN             | MM     | IN                                                                                | MM     | IN             | MM    |
| M02DSUN     | 2              | 0.156          | 3.96   | 0.476          | 12.09  | 0.596          | 15.14  | "N" MOUNTING   |        |                |        |                                                                                   |        | 0.325          | 8.26  |
| M03DSUN     | 3              | 0.312          | 7.92   | 0.632          | 16.05  | 0.752          | 19.10  |                |        |                |        |                                                                                   |        |                |       |
| M06DSU      | 6              | 0.780          | 19.81  | 1.100          | 27.94  | 1.220          | 30.99  | 1.533          | 38.94  | 1.782          | 45.26  | 1.882                                                                             | 47.80  |                |       |
| M08DSU      | 8              | 1.092          | 27.74  | 1.412          | 35.86  | 1.532          | 38.91  | 1.845          | 46.86  | 2.094          | 53.19  | 2.194                                                                             | 55.73  |                |       |
| M10DSU      | 10             | 1.404          | 35.66  | 1.724          | 43.79  | 1.844          | 46.84  | 2.157          | 54.79  | 2.406          | 61.11  | 2.506                                                                             | 63.65  |                |       |
| M11DSU      | 11             | 1.560          | 39.62  | 1.880          | 47.75  | 2.000          | 50.80  | 2.313          | 58.75  | 2.562          | 65.07  | 2.662                                                                             | 67.61  |                |       |
| M12DSU      | 12             | 1.716          | 43.59  | 2.036          | 51.71  | 2.156          | 54.76  | 2.469          | 62.71  | 2.718          | 69.04  | 2.818                                                                             | 71.58  |                |       |
| M15DSU      | 15             | 2.184          | 55.47  | 2.504          | 63.60  | 2.624          | 66.65  | 2.937          | 74.60  | 3.186          | 80.92  | 3.286                                                                             | 83.46  |                |       |
| M18DSU      | 18             | 2.652          | 67.36  | 2.972          | 75.49  | 3.092          | 78.54  | 3.405          | 86.49  | 3.654          | 92.81  | 3.754                                                                             | 95.35  |                |       |
| M22DSU      | 22             | 3.276          | 83.21  | 3.596          | 91.34  | 3.716          | 94.39  | 4.029          | 102.34 | 4.278          | 108.66 | 4.378                                                                             | 111.20 |                |       |
| M24DSU      | 24             | 3.588          | 91.14  | 3.908          | 99.26  | 4.028          | 102.31 | 4.341          | 110.26 | 4.590          | 116.59 | 4.690                                                                             | 119.13 |                |       |
| M25DSU      | 25             | 3.744          | 95.10  | 4.064          | 103.23 | 4.184          | 106.27 | 4.497          | 114.22 | 4.746          | 120.55 | 4.846                                                                             | 123.09 |                |       |
| M28DSU      | 28             | 4.212          | 106.98 | 4.532          | 115.11 | 4.652          | 118.16 | 4.965          | 126.11 | 5.214          | 132.44 | 5.314                                                                             | 134.98 | 0.438          | 11.13 |
| M36DSU      | 36             | 5.460          | 138.68 | 5.780          | 146.81 | 5.900          | 149.86 | 6.213          | 157.81 | 6.462          | 164.13 | 6.562                                                                             | 166.67 | 0.500          | 12.70 |
| M43DSU      | 43             | 6.552          | 166.42 | 6.872          | 174.55 | 6.992          | 177.60 | 7.305          | 185.55 | 7.554          | 191.87 | 7.654                                                                             | 194.41 |                |       |
| M44DSU      | 44             | 6.708          | 170.38 | 7.028          | 178.51 | 7.148          | 181.56 | 7.461          | 189.51 | 7.710          | 195.83 | 7.810                                                                             | 198.37 |                |       |

PART NUMBER CODING

MATERIAL (INSULATOR/CONTACT)

E = PBT/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C @ 3 AMPS PER CONTACT  
OPERATING TEMP: -65°C TO +21°C @ 5 AMPS PER CONTACT  
PROCESSING TEMP: 260°C FOR 10 SECS MAX

R = PPS/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C  
PROCESSING TEMP: 260°C FOR 120 SECS MAX  
CURRENT RATING PER CONTACT: 5 AMPS

G = PA9T/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C  
PROCESSING TEMP: 260°C FOR 120 SECS MAX  
CURRENT RATING PER CONTACT: 5 AMPS

H = PBT/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +125°C @ 3 AMPS PER CONTACT  
OPERATING TEMP: -65°C TO +105°C @ 5 AMPS PER CONTACT  
PROCESSING TEMP: 260°C FOR 10 SECS MAX

A = PPS/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C  
PROCESSING TEMP: 260°C FOR 120 SECS MAX  
CURRENT RATING PER CONTACT: 5 AMPS

J = PA9T/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C  
PROCESSING TEMP: 260°C FOR 120 SECS MAX  
CURRENT RATING PER CONTACT: 5 AMPS

F = PPS/SPINODAL (CONSULT FACTORY)

AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)  
OPERATING TEMP: -65°C TO +200°C  
PROCESSING TEMP: 260°C FOR 120 SECS MAX  
CURRENT RATING PER CONTACT: 3 AMPS

C = PPS/BERYLLIUM COPPER (CONSULT FACTORY)

AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)  
OPERATING TEMP: -65°C TO +200°C @ 2 AMPS PER CONTACT  
OPERATING TEMP: -65°C TO +173°C @ 3 AMPS PER CONTACT  
PROCESSING TEMP: 260°C FOR 120 SECS MAX

W = PEEK/BERYLLIUM COPPER (CONSULT FACTORY)

AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)  
OPERATING TEMP: -65°C TO +250°C  
CURRENT RATING PER CONTACT: 3 AMPS  
(CONSULT FACTORY FOR OTHER MATERIALS)

NUMBER OF POSITIONS  
(CONTACTS PER ROW)

PLATING

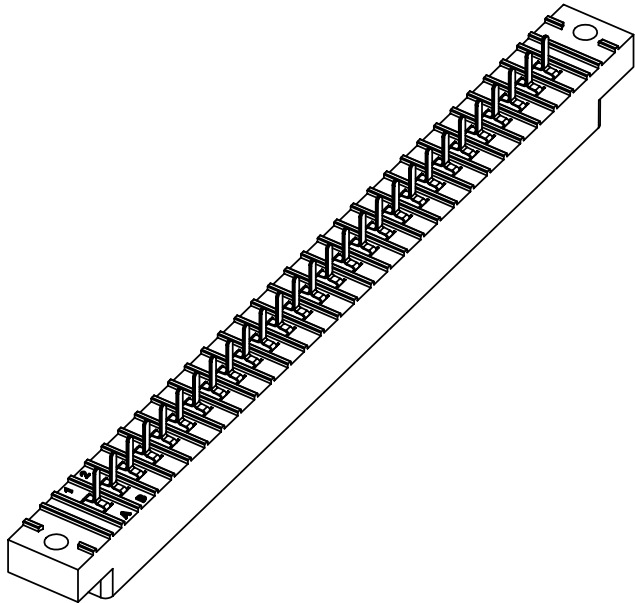
ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

|                                         |         |                          |
|-----------------------------------------|---------|--------------------------|
| CONTACT                                 | SURFACE | TERMINATION              |
| G = .000010" GOLD                       |         | .000005" GOLD            |
| Y = .000030" GOLD                       |         | .000005" GOLD            |
| B = .000010" GOLD                       |         | .000100" PURE TIN, MATTE |
| C = .000030" GOLD                       |         | .000100" PURE TIN, MATTE |
| **E = .000100" PURE TIN, MATTE, OVERALL |         |                          |
| S = .000010" GOLD OVERALL               |         |                          |
| M = .000030" GOLD                       |         | .000010" GOLD OVERALL    |

\*\* OVERALL TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G

MOUNTING STYLE

H = .125" DIA. CLEARANCE HOLES (PAGE 1)  
N = NO MOUNTING EARS (PAGE 2)  
S = .125" DIA. SIDE MOUNTING (PAGE 2)  
I = #4-40 THREADED INSERT (PAGE 2)  
F = FLOATING BOBBIN (PAGE 2)



CUSTOMER COPY



RoHS COMPLIANT

|                                                                                                                                                                                                                                    |  |                   |                  |                    |                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|------------------|--------------------|---------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]<br>TOLERANCES:<br>ANGULAR: ± 30°<br>.XX=± .02 [508]<br>.XXX=± .005 [127]<br>XXXX=± .0005 [0.127]<br>SURFACE FINISH: 63 Ra<br>REMOVE ALL BURRS AND SHARP EDGES .010 MAX |  | DRAWN<br>3/4/2008 | DATE<br>3/4/2008 | NAME<br>MNH        | DESCRIPTION<br>EDGE CARD, .156 CC, LP<br>PART NUMBER<br>M DSU |
| INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5M-1994                                                                                                                                                         |  | SIZE<br>C         |                  | DWG. NO.<br>C11068 |                                                               |
| SCALE: 1:1                                                                                                                                                                                                                         |  | SHEET 3 OF 3      |                  | REV<br>B           |                                                               |