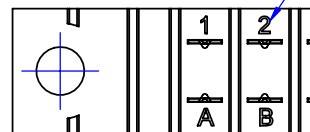
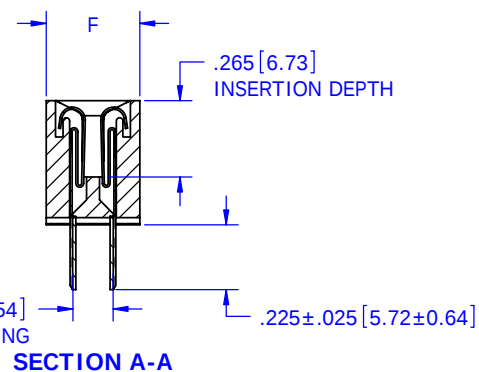
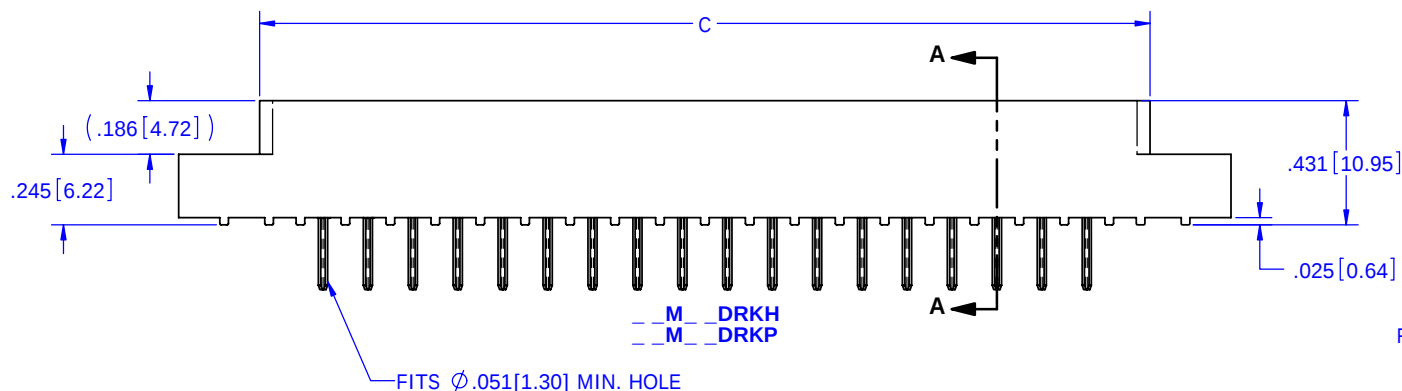
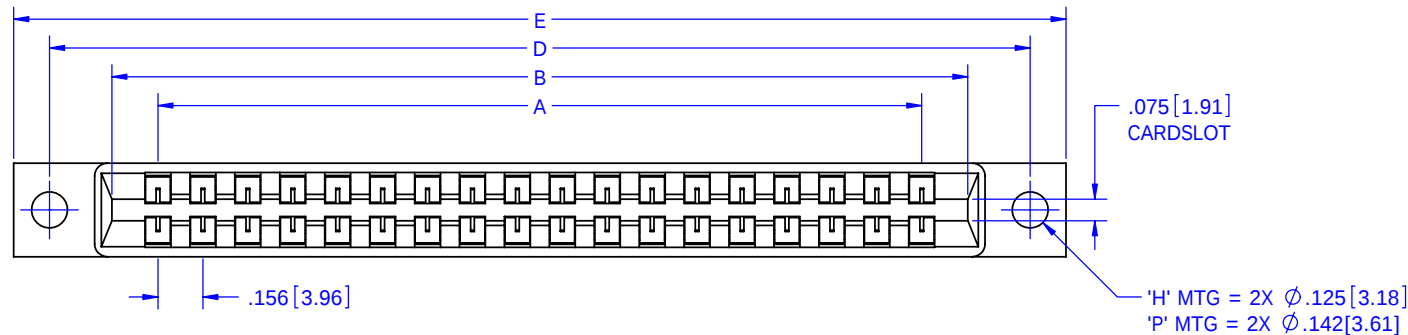


| REVISIONS |         |                 |          |     |
|-----------|---------|-----------------|----------|-----|
| REV.      | ECO. NO | DESCRIPTION     | DATE     | BY  |
| A         | 1741    | INITIAL RELEASE | 3/7/2008 | MNH |



CONTACT MARKINGS  
(LETTERS G, I, O, & Q NOT USED)

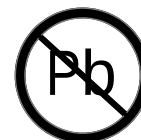
SIZE 02 THRU 25:  
1 2 3 ... 23 24 ...  
A B C ... AA BB ...

SIZE 28 THRU 44:  
1 2 3 ... 23 24 ...  
A B C ... A B ...

CONTACT ID  
SCALE 4:1

# 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 ± .008 [1.57 ± 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.
15. MATERIAL COLOR VARIATIONS:
  - A. ADD -S38 TO END OF PART NUMBER FOR BLACK PBT (MATERIAL CODE E AND H ONLY).
  - B. ADD -S81 TO END OF PART NUMBER FOR GREEN PBT (MATERIAL CODE E AND H ONLY).
  - C. ADD -S328 TO END OF PART NUMBER FOR BROWN PPS (MATERIAL CODE R AND A ONLY).



RoHS COMPLIANT

CUSTOMER COPY

|                                                                                                                                                                                                                                            |  |       |      |                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]<br>TOLERANCES:<br>ANGULAR: ± 30°<br>.XX±.02 [508]<br>.XXX±.005 [1270]<br>XXXX±.0005 [0127]<br>SURFACE FINISH: 63 Ra<br>REMOVE ALL BURRS AND SHARP EDGES .010 MAX               |  | DATE  | NAME |                                                                                                                                            |
| THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS. |  | DRAWN | MNH  |                                                                                                                                            |
| INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994                                                                                                                                                                       |  |       |      | DESCRIPTION<br>EDGE CARD, .156 CC, LP<br>PART NUMBER<br>M DRK<br>SIZE<br>C<br>DWG. NO.<br>C11120<br>REV<br>A<br>SCALE: 3:1<br>SHEET 1 OF 3 |



\_\_M\_\_DRKN

2X #4-40  
THREADED  
INSERTS

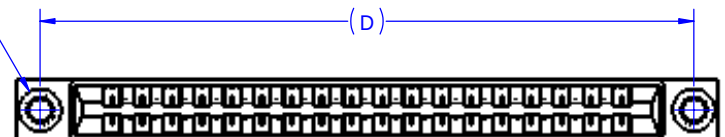


\_\_M\_\_DRKI

2X FLOATING BOBBIN  
 $\phi .116 [2.95]$  CLEARANCE  
FOR # 4 SCREW

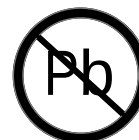


\_\_M\_\_DRKS



\_\_M\_\_DRKF

CUSTOMER COPY



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES[MM]  
TOLERANCES:  
ANGULAR:  $\pm 30^\circ$   
XX $\pm .02 [508]$   
.XXX $\pm .005 [1270]$   
XXXX $\pm .0005 [0127]$   
SURFACE FINISH: 63 Ra  
REMOVE ALL BURRS AND SHARP EDGES .010 MAX  
INTERPRET DIMENSIONS AND GEOMETRIC  
TOLERANCING  
PER: ANSI Y14.5M-1994

|                                                                                                                                                                                                                                                                 |  |                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|--|
| DATE                                                                                                                                                                                                                                                            |  | NAME                                  |  |
| DRAWN                                                                                                                                                                                                                                                           |  | MNH                                   |  |
| 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. |  |                                       |  |
|                                                                                                                                                                            |  | <b>SULLINS</b><br>CONNECTOR SOLUTIONS |  |
|                                                                                                                                                                                                                                                                 |  | DESCRIPTION                           |  |
|                                                                                                                                                                                                                                                                 |  | EDGE CARD, .156 CC, LP                |  |
| PART NUMBER                                                                                                                                                                                                                                                     |  | M DRK                                 |  |
| SIZE                                                                                                                                                                                                                                                            |  | DWG. NO.                              |  |
| C                                                                                                                                                                                                                                                               |  | C1120                                 |  |
| SCALE: 2:1                                                                                                                                                                                                                                                      |  | REV A                                 |  |
|                                                                                                                                                                            |  | SHEET 2 OF 3                          |  |

|             |                |                |        |               |        |               |        |               |        |               |        | Only applies for<br>PPS / PEEK<br>inRTlators with<br>threaded inRTrts<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   |
| M02DRKN     | 2              | 0.156          | 3.96   | 0.476         | 12.09  | 0.596         | 15.14  | "N" MOUNTING  |        |               |        |                                                                                    |        | 0.325         | 8.26 |
| M03DRKN     | 3              | 0.312          | 7.92   | 0.632         | 16.05  | 0.752         | 19.10  |               |        |               |        |                                                                                    |        |               |      |
| M06DRK      | 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  |               |      |
| M08DRK      | 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  |               |      |
| M10DRK      | 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  |               |      |
| M11DRK      | 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  |               |      |
| M12DRK      | 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  |               |      |
| M15DRK      | 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  |               |      |
| M18DRK      | 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  |               |      |
| M22DRK      | 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 |               |      |
| M24DRK      | 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 |               |      |
| M25DRK      | 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 |               |      |
| M28DRK      | 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 |               |      |
| M36DRK      | 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 |               |      |
| M43DRK      | 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 |               |      |
| M44DRK      | 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)

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)  
P = .142" DIA. CLEARANCE HOLES (PAGE 1)

NUMBER OF POSITIONS  
(CONTACTS PER ROW)

PLATING

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

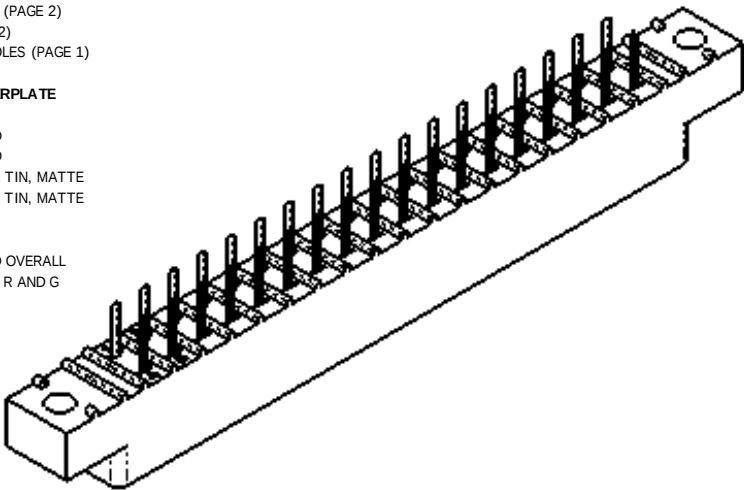
CONTACT SURFACE

G = .000010" GOLD  
Y = .000030" GOLD  
B = .000010" GOLD  
C = .000030" GOLD  
\*E = .000100" PURE TIN, MATTE, OVERALL  
S = .000010" GOLD OVERALL  
M = .000030" GOLD  
\*\* OVERALL TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G

TERMINATION

.000005" GOLD  
.000005" GOLD  
.000100" PURE TIN, MATTE  
.000100" PURE TIN, MATTE

.000010" GOLD OVERALL



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RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES[MM]  
TOLERANCES:  
ANGULAR: ± 30°  
.XX±.02 [508]  
.XXX±.005 [1270]  
XXXX±.0005 [0.127]  
SURFACE FINISH: 63 Ra  
REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC  
TOLERANCING  
PER: ANSI Y14.5M-1994

|                                                                                                                                                                                                                                                                 |                    |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|
| DRAWN                                                                                                                                                                                                                                                           | DATE               | NAME         |
|                                                                                                                                                                                                                                                                 |                    | MNH          |
| 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. |                    |              |
| DESCRIPTION<br>EDGE CARD, .156 CC, LP                                                                                                                                                                                                                           |                    |              |
| PART NUMBER<br>M DRK                                                                                                                                                                                                                                            |                    |              |
| SIZE<br>C                                                                                                                                                                                                                                                       | DWG. NO.<br>C11120 | REV<br>A     |
| SCALE: 3:1                                                                                                                                                                                                                                                      |                    | SHEET 3 OF 3 |