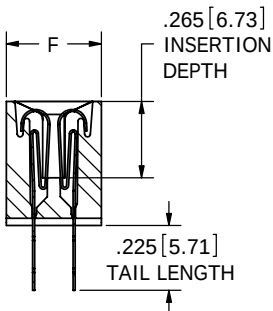
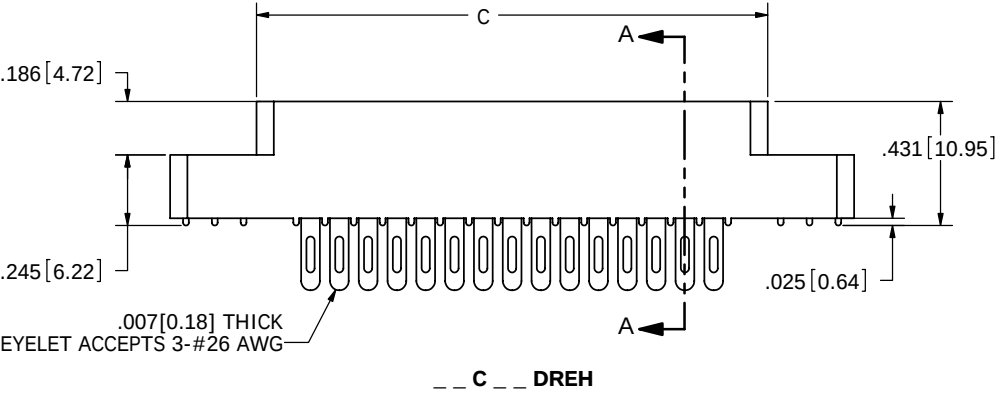
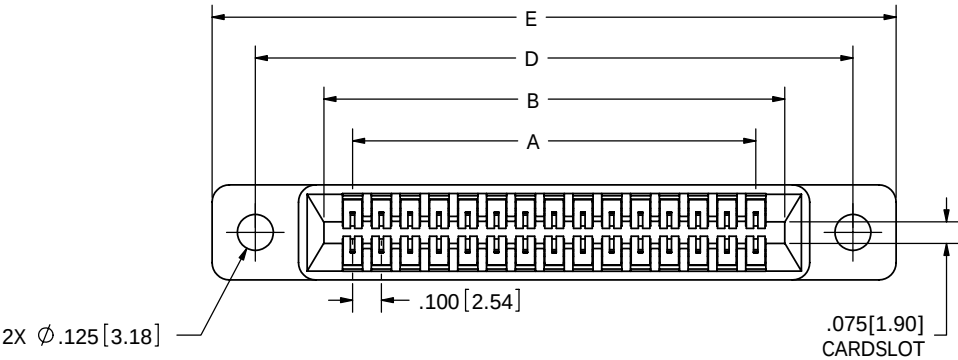
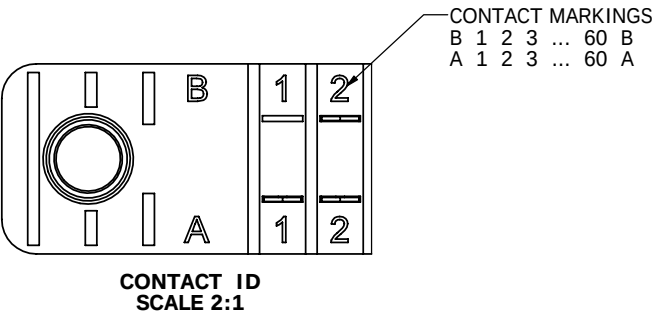


| REVISIONS |         |                 |           |    |
|-----------|---------|-----------------|-----------|----|
| REV.      | ECO. NO | DESCRIPTION     | DATE      | BY |
| A         | 1244    | INITIAL RELEASE | 1/15/2007 | MV |



SECTION A - A



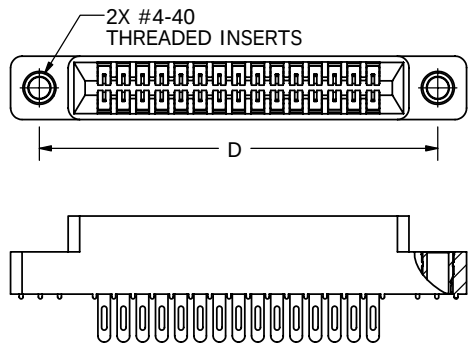
- NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING
  2. CONTACT MATERIAL: SEE PART NUMBER CODING
  3. PLATING: SEE PART NUMBER CODING
  4. OPERATING TEMPERATURE: SEE PART NUMBER CODING
  5. PROCESSING TEMP: SEE PART NUMBER CODING
  6. UL FLAMMABILITY RATING: 94V-0
  7. VOLTAGE RATING: 600 VDC MINIMUM AT SEA LEVEL.
  8. CURRENT RATING: 3 AMP PER CONTACT PAIR
  9. VOLTAGE DROP: 30 MILLI VOLT AT RATED CURRENT
  10. INSULATION RESISTANCE: 5000 MEGA OHM
  11. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND BARCODE
  12. BOARD THICKNESS ACCOMMODATED: .062 ± .008"
  13. BOARD INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062" 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" PCB



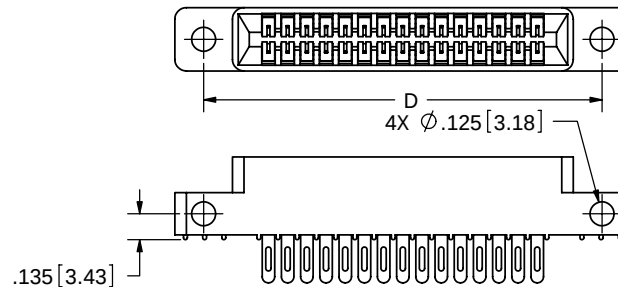
RoHS COMPLIANT

## CUSTOMER COPY

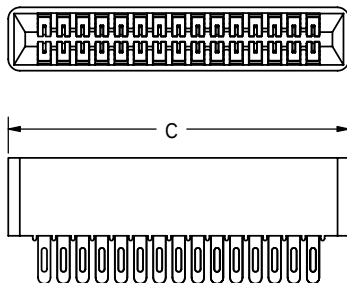
|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                 |              |                                |                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|--------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]<br>TOLERANCES:<br>ANGULAR: ± 1°<br>.XX= ± .02 [508]<br>.XXX= ± .005 [1270]<br>.XXXX= ± .0005 [0127]<br>PARENTHETICAL INFORMATION IS FOR<br>REFERENCE ONLY<br><br>INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5-1984 | DATE                                                                                                                                                                                                                                                            | NAME         | <b>SULLINS<br/>ELECTRONICS</b> |                                      |  |
|                                                                                                                                                                                                                                                                                                        | DRAWN                                                                                                                                                                                                                                                           | MV           |                                |                                      |  |
|                                                                                                                                                                                                                                                                                                        | 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, .100 CC LP |  |
|                                                                                                                                                                                                                   | PART NUMBER                                                                                                                                                                                                                                                     |              | C_DRE                          |                                      |  |
|                                                                                                                                                                                                                                                                                                        | SIZE                                                                                                                                                                                                                                                            | DWG. NO.     | C10870                         |                                      |  |
|                                                                                                                                                                                                                                                                                                        | SCALE: 2:1                                                                                                                                                                                                                                                      |              | REV<br>A                       |                                      |  |
|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                 | SHEET 1 OF 3 |                                |                                      |  |



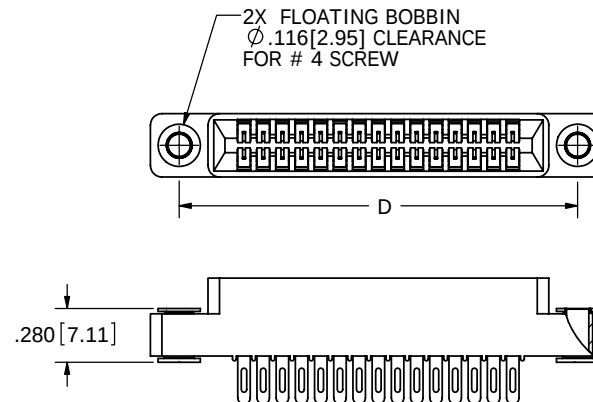
-- C -- DREI



-- C -- DRES



-- C -- DREN



-- C -- DREF



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|                                                                                                                                                                                                                                                                                                          |  |       |      |                                      |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|--------------------------------------|----------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]<br>TOLERANCES:<br>ANGULAR: ± 1°<br>XX= ± .02 [.508]<br>.XXX= ± .005 [.1270]<br>.XXXX= ± .0005 [.0127]<br>PARENTHETICAL INFORMATION IS FOR<br>REFERENCE ONLY<br><br>INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5-1984 |  | DATE  | NAME | <b>SULLINS<br/>ELECTRONICS</b>       |          |
| 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.                                          |  | DRAWN | MV   |                                      |          |
|                                                                                                                                                                                                                                                                                                          |  |       |      | DESCRIPTION<br>EDGE CARD, .100 CC LP |          |
|                                                                                                                                                                                                                                                                                                          |  |       |      | PART NUMBER<br>-- C -- DRE           |          |
|                                                                                                                                                                                                                                                                                                          |  |       |      | SIZE<br><b>C</b>                     | REV<br>A |
|                                                                                                                                                                                                                                                                                                          |  |       |      | DWG. NO.<br>C10870                   |          |
|                                                                                                                                                                                                                                                                                                          |  |       |      | SCALE: 2:1                           |          |
|                                                                                                                                                                                                                                                                                                          |  |       |      | SHEET 2 OF 3                         |          |

| PART<br>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] |        | F±.005[0.13] |       |
|----------------|----------------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|--------------|-------|
|                |                | IN           | MM     | IN           | MM     | IN           | MM     | IN           | MM     | IN           | MM     | IN           | MM    |
| C04DRE *       | 4              | 0.300        | 7.62   | 0.500        | 12.70  | 0.675        | 17.15  | 0.975        | 24.77  | 1.275        | 32.39  | 0.330        | 8.38  |
| C05DRE         | 5              | 0.400        | 10.16  | 0.600        | 15.24  | 0.775        | 19.69  | 1.075        | 27.31  | 1.375        | 34.93  |              |       |
| C06DRE         | 6              | 0.500        | 12.70  | 0.700        | 17.78  | 0.875        | 22.23  | 1.175        | 29.85  | 1.475        | 37.47  |              |       |
| C07DRE         | 7              | 0.600        | 15.24  | 0.800        | 20.32  | 0.975        | 24.77  | 1.275        | 32.39  | 1.575        | 40.01  |              |       |
| C08DRE         | 8              | 0.700        | 17.78  | 0.900        | 22.86  | 1.075        | 27.31  | 1.375        | 34.93  | 1.675        | 42.55  |              |       |
| C10DRE         | 10             | 0.900        | 22.86  | 1.100        | 27.94  | 1.275        | 32.39  | 1.575        | 40.01  | 1.875        | 47.63  |              |       |
| C12DRE         | 12             | 1.100        | 27.94  | 1.300        | 33.02  | 1.475        | 37.47  | 1.775        | 45.09  | 2.075        | 52.71  |              |       |
| C13DRE         | 13             | 1.200        | 30.48  | 1.400        | 35.56  | 1.575        | 40.01  | 1.875        | 47.63  | 2.175        | 55.25  |              |       |
| C15DRE         | 15             | 1.400        | 35.56  | 1.600        | 40.64  | 1.775        | 45.09  | 2.075        | 52.71  | 2.375        | 60.33  |              |       |
| C17DRE         | 17             | 1.600        | 40.64  | 1.800        | 45.72  | 1.975        | 50.17  | 2.275        | 57.79  | 2.575        | 65.41  |              |       |
| C18DRE         | 18             | 1.700        | 43.18  | 1.900        | 48.26  | 2.075        | 52.71  | 2.375        | 60.33  | 2.675        | 67.95  |              |       |
| C19DRE         | 19             | 1.800        | 45.72  | 2.000        | 50.80  | 2.175        | 55.25  | 2.475        | 62.87  | 2.775        | 70.49  |              |       |
| C20DRE         | 20             | 1.900        | 48.26  | 2.100        | 53.34  | 2.275        | 57.79  | 2.575        | 65.41  | 2.875        | 73.03  |              |       |
| C22DRE         | 22             | 2.100        | 53.34  | 2.300        | 58.42  | 2.475        | 62.87  | 2.775        | 70.49  | 3.075        | 78.11  |              |       |
| C23DRE *       | 23             | 2.200        | 55.88  | 2.400        | 60.96  | 2.575        | 65.41  | 2.875        | 73.03  | 3.175        | 80.65  |              |       |
| C25DRE         | 25             | 2.400        | 60.96  | 2.600        | 66.04  | 2.775        | 70.49  | 3.075        | 78.11  | 3.375        | 85.73  |              |       |
| C26DRE         | 26             | 2.500        | 63.50  | 2.700        | 68.58  | 2.875        | 73.03  | 3.175        | 80.65  | 3.475        | 88.27  |              |       |
| C28DRE         | 28             | 2.700        | 68.58  | 2.900        | 73.66  | 3.075        | 78.11  | 3.375        | 85.73  | 3.675        | 93.35  |              |       |
| C30DRE         | 30             | 2.900        | 73.66  | 3.100        | 78.74  | 3.275        | 83.19  | 3.575        | 90.81  | 3.875        | 98.43  |              |       |
| C31DRE         | 31             | 3.000        | 76.20  | 3.200        | 81.28  | 3.375        | 85.73  | 3.675        | 93.35  | 3.975        | 100.97 |              |       |
| C35DRE         | 35             | 3.400        | 86.36  | 3.600        | 91.44  | 3.775        | 95.89  | 4.075        | 103.51 | 4.375        | 111.13 | 0.400        | 10.16 |
| C36DRE         | 36             | 3.500        | 88.90  | 3.700        | 93.98  | 3.875        | 98.43  | 4.175        | 106.05 | 4.475        | 113.67 |              |       |
| C40DRE         | 40             | 3.900        | 99.06  | 4.100        | 104.14 | 4.275        | 108.59 | 4.575        | 116.21 | 4.875        | 123.83 |              |       |
| C43DRE         | 43             | 4.200        | 106.68 | 4.400        | 111.76 | 4.575        | 116.21 | 4.875        | 123.83 | 5.175        | 131.45 |              |       |
| C44DRE         | 44             | 4.300        | 109.22 | 4.500        | 114.30 | 4.675        | 118.75 | 4.975        | 126.37 | 5.275        | 133.99 |              |       |
| C49DRE         | 49             | 4.800        | 121.92 | 5.000        | 127.00 | 5.175        | 131.45 | 5.475        | 139.07 | 5.775        | 146.69 |              |       |
| C50DRE         | 50             | 4.900        | 124.46 | 5.100        | 129.54 | 5.275        | 133.99 | 5.575        | 141.61 | 5.875        | 149.23 |              |       |
| C52DRE *       | 52             | 5.100        | 129.54 | 5.300        | 134.62 | 5.475        | 139.07 | 5.775        | 146.69 | 6.075        | 154.31 |              |       |
| C60DRE         | 60             | 5.900        | 149.86 | 6.100        | 154.94 | 6.275        | 159.39 | 6.575        | 167.01 | 6.875        | 174.63 |              |       |
| C65DRE         | 65             | 6.400        | 162.56 | 6.600        | 167.64 | 6.775        | 172.09 | 7.075        | 179.71 | 7.375        | 187.33 |              |       |

\* CONSULT FACTORY FOR AVAILABILITY

## PART NUMBER CODING

### MATERIAL (INSULATOR/CONTACT)

#### E = PBT/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C  
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

#### G = PA9T/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C  
PROCESSING TEMP: 260°C FOR 120 SECS MAX

#### H = PBT/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +125°C  
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

#### J = PA9T/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C  
PROCESSING TEMP: 260°C FOR 120 SECS MAX

#### F = PPS/SPINODAL (CONSULT FACTORY)

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

#### C = PPS/BERYLLIUM NICKEL (CONSULT FACTORY)

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

#### W = PEEK/BERYLLIUM NICKEL (CONSULT FACTORY)

OPERATING TEMP: -65°C TO +250°C  
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)

C DRE

### NUMBER OF POSITIONS (CONTACTS PER ROW)

### PLATING

ALL PLATINGS 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

ALL PLATINGS ARE LEAD FREE

### MOUNTING STYLE

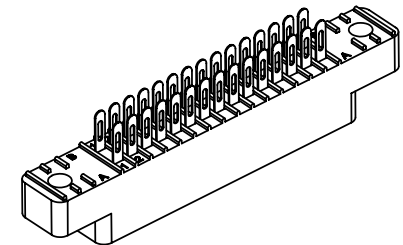
H = .125" DIA. CLEARANCE HOLES (PAGE 1)

I = #4-40 THREADED INSERT (PAGE 2)

S = .125" DIA. SIDE MOUNTING (PAGE 2)

N = NO MOUNTING EARS (PAGE 2)

F = FLOATING BOBBIN (PAGE 2)



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|                                                                                                                                                                                                                                                                 |  |            |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|--|--------------|--|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]                                                                                                                                                                                                     |  | DATE       |  | NAME         |  |
| TOLERANCES:<br>ANGULAR: ± 1°<br>XX=± .02 [.508]<br>.XXX=± .005 [.127]<br>.XXXX=± .0005 [.0127]<br>PARENTHEICAL INFORMATION IS FOR<br>REFERENCE ONLY                                                                                                             |  | DRAWN      |  | MV           |  |
| 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. |  | SIZE       |  | DWG. NO.     |  |
| INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5-1984                                                                                                                                                                                       |  | C          |  | C10870       |  |
|                                                                                                                                                                                                                                                                 |  | SCALE: 2:1 |  | REV A        |  |
|                                                                                                                                                                                                                                                                 |  |            |  | SHEET 3 OF 3 |  |