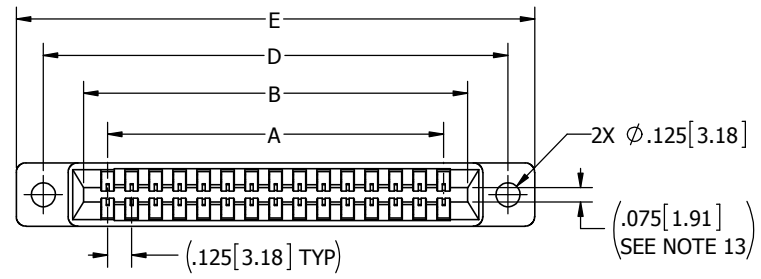
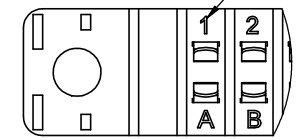


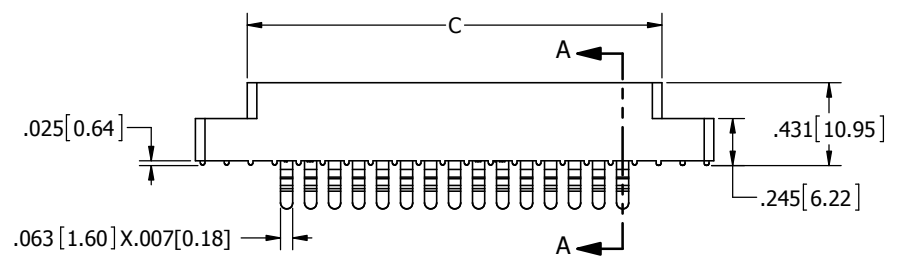
| REVISIONS | | | | |
|-----------|---------|---------------------|-----------|----|
| REV. | ECO. NO | DESCRIPTION | DATE | BY |
| A | 2796 | INITIAL RELEASE | 7/1/2013 | JH |
| B | 2986 | ADD SPINODAL OPTION | 5/29/2014 | JH |



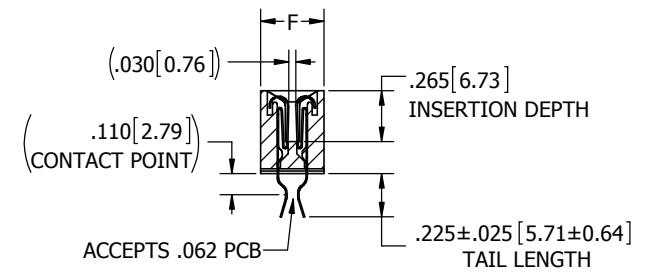
CONTACT IDs:
 (LETTERS G, I, O & Q NOT USED)
 SIZE 06 THRU 50
 1 2 ... 23 24 ... 45 46 ...
 A B ... a b ... AA BB ...



DETAIL CONTACT
SCALE 4 : 1



MP _ _ - _ 125 - _ _ - DSE - 1 _ _



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. OPERATING VOLTAGE: 750 VAC MINIMUM AT SEA LEVEL
8. CURRENT RATING: 3 AMP
9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
10. INSULATION RESISTANCE: 5000 MEGA OHMS
11. DURABILITY: 500 CYCLES MIN
12. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
13. BOARD THICKNESS ACCOMMODATED: .062 ± .008 [1.57 ± 0.20]
14. 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 WI7.3-01
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062 [1.57] PCB
16. MODIFICATION: CARD EXTENDER BEND FOR LOW PROFILE CONNECTOR, .055" INSIDE DIMENSION FOR .062" PCB

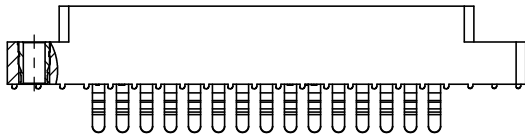
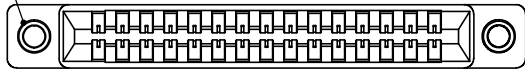
REFERENCE: _ _ A _ DRV _ -P13, P39, P71

CUSTOMER COPY



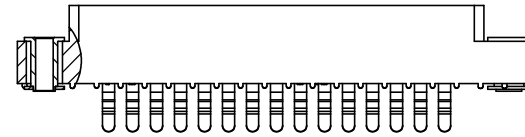
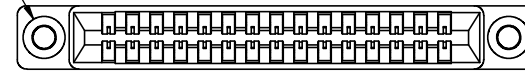
| | | | | | |
|--|-----------|--------------|-----------|------|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | | DRAWN | DATE | NAME | |
| | | | 6/24/2011 | JH | |
| TOLERANCES: ANGULAR: ± 1° DECIMALS .XX = ± .02 [5] .XXX = ± .005 [13] .XXXX = ± .0005 [013] | | | | | THE INFORMATION 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. |
| TITLE CARD EDGE, .125 CC LP | | | | | |
| PART NUMBER MP _ _ - 125 - _ _ - DSE - _ _ | | | | | |
| SIZE | CAGE CODE | DWG. NO. | REV | | |
| C | 54453 | C12239 | B | | |
| SCALE: 2:1 | | SHEET 1 OF 3 | | | |

2X #4-40
THREADED
INSERT

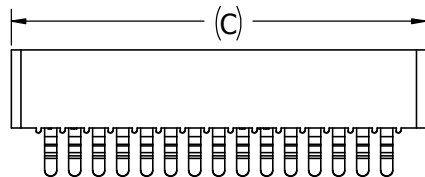
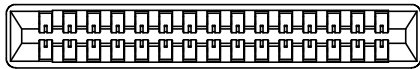


MP - 125 - DSE - 2

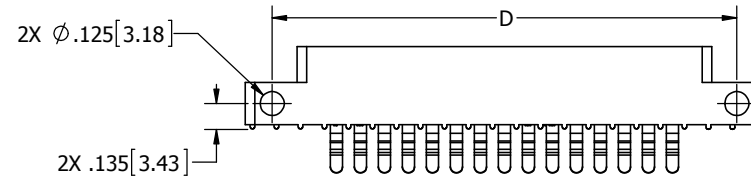
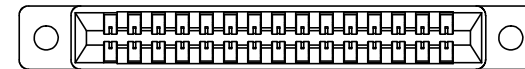
2X FLOATING ROBBIN
.116[2.95] CLEARANCE
FOR #4 SCREW



MP - 125 - DSE - 3



MP - 125 - DSE - 4



MP - 125 - DSE - 8

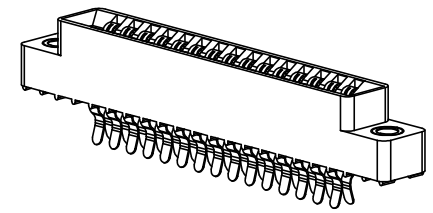
CUSTOMER COPY



RoHS COMPLIANT

| | | | | | |
|--|--|---|-----------|--------------|------------------------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | | DRAWN | DATE | NAME | |
| TOLERANCES: | | | 6/24/2011 | JH | |
| ANGULAR: ± 1° | | <small>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.</small> | | | TITLE |
| DECIMALS | | | | | CARD EDGE, .125 CC LP |
| .XX=± .02 [5] | | | | | PART NUMBER |
| .XXX=± .005 [13] | | | | | MP - 125 - DSE - |
| .XXXX=± .0005 [13] | | SIZE | CAGE CODE | DWG. NO. | REV |
| | | C | 54453 | C12239 | B |
| | | SCALE: 2:1 | | SHEET 2 OF 3 | |

| PART NUMBER MICRO PLASTICS | NO. OF 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] / -.015[0.38] | |
|-------------------------------|----------------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|-----------------------------|------|
| | | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| MP - 125-06-DSE- | 6 | 0.625 | 15.88 | 0.875 | 22.23 | 1.035 | 26.29 | 1.295 | 32.89 | 1.575 | 40.01 | 0.330 | 8.38 |
| MP - 125-10-DSE- | 10 | 1.125 | 28.58 | 1.375 | 34.93 | 1.535 | 38.99 | 1.795 | 45.59 | 2.075 | 52.71 | | |
| MP - 125-14-DSE- | 14 | 1.625 | 41.28 | 1.875 | 47.63 | 2.035 | 51.69 | 2.295 | 58.29 | 2.575 | 65.41 | | |
| MP - 125-15-DSE- | 15 | 1.750 | 44.45 | 2.000 | 50.80 | 2.160 | 54.86 | 2.420 | 61.47 | 2.700 | 68.58 | | |
| MP - 125-18-DSE- | 18 | 2.125 | 53.98 | 2.375 | 60.33 | 2.535 | 64.39 | 2.795 | 70.99 | 3.075 | 78.11 | | |
| MP - 125-22-DSE- | 22 | 2.625 | 66.68 | 2.875 | 73.03 | 3.035 | 77.09 | 3.295 | 83.69 | 3.575 | 90.81 | | |
| MP - 125-28-DSE- | 28 | 3.375 | 85.73 | 3.625 | 92.08 | 3.785 | 96.14 | 4.045 | 102.74 | 4.325 | 109.86 | | |
| MP - 125-30-DSE- | 30 | 3.625 | 92.08 | 3.875 | 98.43 | 4.035 | 102.49 | 4.295 | 109.09 | 4.575 | 116.21 | | |
| MP - 125-31-DSE- | 31 | 3.750 | 95.25 | 4.000 | 101.60 | 4.160 | 105.66 | 4.420 | 112.27 | 4.700 | 119.38 | | |
| MP - 125-35-DSE- | 35 | 4.250 | 107.95 | 4.500 | 114.30 | 4.660 | 118.36 | 4.920 | 124.97 | 5.200 | 132.08 | | |
| MP - 125-36-DSE- | 36 | 4.375 | 111.13 | 4.625 | 117.48 | 4.785 | 121.54 | 5.045 | 128.14 | 5.325 | 135.26 | | |
| MP - 125-37-DSE- | 37 | 4.500 | 114.30 | 4.750 | 120.65 | 4.910 | 124.71 | 5.170 | 131.32 | 5.450 | 138.43 | | |
| MP - 125-40-DSE- | 40 | 4.875 | 123.83 | 5.125 | 130.18 | 5.285 | 134.24 | 5.545 | 140.84 | 5.825 | 147.96 | | |
| MP - 125-43-DSE- | 43 | 5.250 | 133.35 | 5.500 | 139.70 | 5.660 | 143.76 | 5.920 | 150.37 | 6.200 | 157.48 | | |
| MP - 125-44-DSE- | 44 | 5.375 | 136.53 | 5.625 | 142.88 | 5.785 | 146.94 | 6.045 | 153.54 | 6.325 | 160.66 | | |
| MP - 125-49-DSE- | 49 | 6.000 | 152.40 | 6.250 | 158.75 | 6.410 | 162.81 | 6.670 | 169.42 | 6.950 | 176.53 | | |
| MP - 125-50-DSE- | 50 | 6.125 | 155.58 | 6.375 | 161.93 | 6.535 | 165.99 | 6.795 | 172.59 | 7.075 | 179.71 | | |



PART NUMBER CODING

MP - - 125 - - DSE -

CONTACT MATERIAL
 OMIT = PHOSPHOR BRONZE (SEE TABLE 2)
 OMIT (WITH 'MPP' PLATING CODE) = SPINODAL (SEE TABLE 4)
 Y = BERYLLIUM COPPER (SEE TABLE 3)

PLATING MODIFICATION CODE (SEE TABLE 1)

MOUNTING STYLE
 1= .125" DIA. CLEARANCE HOLES
 2= #4-40 THREADED INSERT
 3= FLOATING BOBBIN
 4= NO MOUNTING EARS
 8= .125" DIA. SIDE HOLES

NUMBER OF POSITIONS

INSULATOR MATERIAL
 0= PBT, BLUE
 2= PBT, GREEN
 3= PBT, BLACK
 1= PPS, BROWN
 5= PPS, BLACK
 6= PPS, GREEN
 7= PPS, BROWN

PLATING (SEE TABLE 1)

TABLE 2 (PHOSPHOR BRONZE CONTACTS):

| INSULATOR MATERIAL CODE | OPERATING TEMPERATURE | PROCESSING TEMPERATURE |
|-------------------------|-----------------------|------------------------------|
| 0, 2, 3 | -65°C TO +125°C | WAVE / MANUAL SOLDERING ONLY |
| 1, 5, 6, 7 | -65°C TO +125°C | 260°C MAX FOR 20 SEC |

TABLE 3 (BERYLLIUM COPPER CONTACTS):

| INSULATOR MATERIAL CODE | OPERATING TEMPERATURE | PROCESSING TEMPERATURE |
|-------------------------|-----------------------|------------------------------|
| 0, 2, 3 | -65°C TO +125°C | WAVE / MANUAL SOLDERING ONLY |
| 1, 5, 6, 7 | -65°C TO +150°C | 260°C MAX FOR 20 SEC |

TABLE 4 (SPINODAL CONTACTS):

| INSULATOR MATERIAL CODE | OPERATING TEMPERATURE | PROCESSING TEMPERATURE |
|-------------------------|-----------------------|------------------------|
| 1, 5, 6, 7 | -65°C TO +200°C | 260°C MAX FOR 20 SEC |

TABLE 1 (PLATING):

ALL PLATINGS HAVE .000050" MIN NICKEL UNDERPLATE

| | CONTACT SURFACE | TERMINATION | PLATING MODIFICATION CODE |
|------|----------------------------------|--------------------------|---------------------------|
| MP | .000010" GOLD OVERALL | | OMIT |
| | .000030" GOLD | .000010" GOLD OVERALL | G |
| MPSL | .000010" GOLD | .000100" PURE TIN, MATTE | K |
| | .000030" GOLD | .000100" PURE TIN, MATTE | GK |
| MPL | .000100" PURE TIN, MATTE OVERALL | | K |
| MPP | .000010" GOLD OVERALL | | OMIT |
| | .000030" GOLD | .000010" GOLD OVERALL | G |

(MPL PLATING AVAILABLE WITH PHOSPHOR BRONZE CONTACTS ONLY)
 (MPP = SPINODAL CONTACTS)

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UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES (MM)
 TOLERANCES:
 ANGULAR: ± 1°
 DECIMALS
 .XX = ± .02 [5]
 .XXX = ± .005 [13]
 .XXXX = ± .0005 [013]

| DRAWN | DATE | NAME |
|-------|-----------|------|
| | 6/24/2011 | JH |

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| SULLINS CONNECTOR SOLUTIONS | | | |
|------------------------------|-----------|--------------|-----|
| CARD EDGE, .125 CC LP | | | |
| PART NUMBER MP - 125 - -DSE- | | | |
| SIZE | CAGE CODE | DWG. NO. | REV |
| C | 54453 | C12239 | B |
| SCALE: 2:1 | | SHEET 3 OF 3 | |