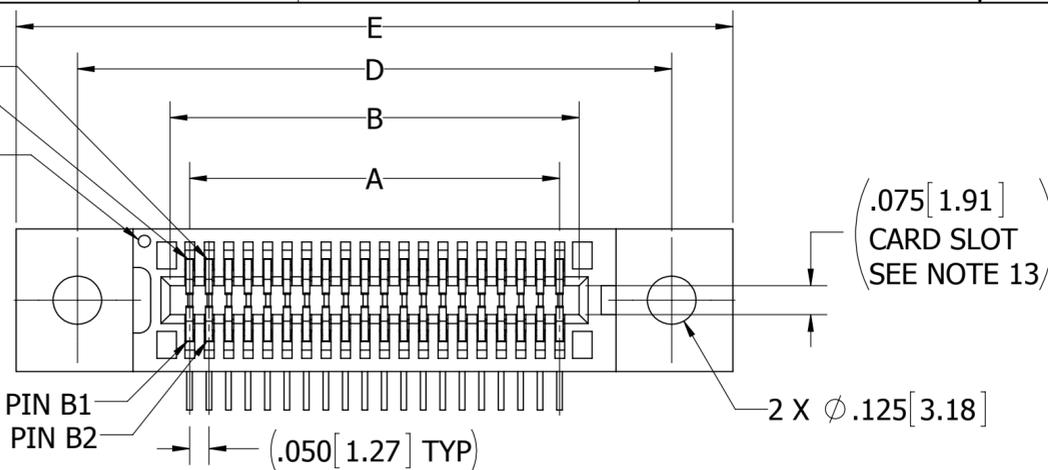
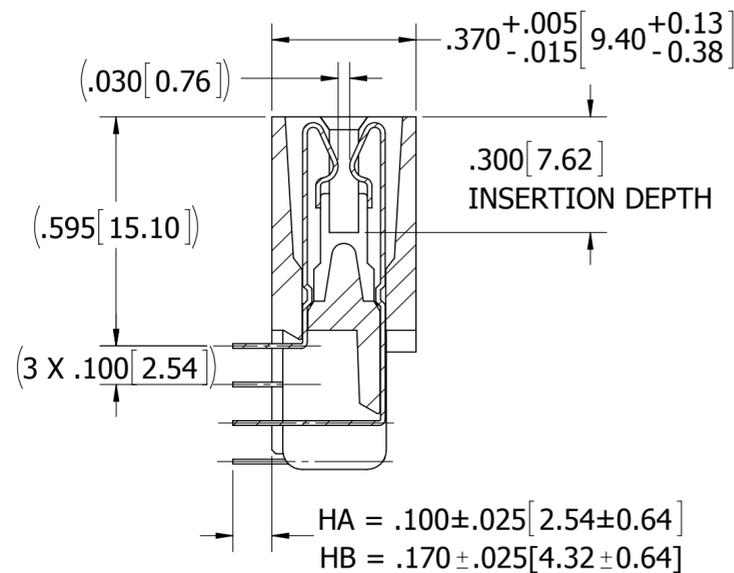
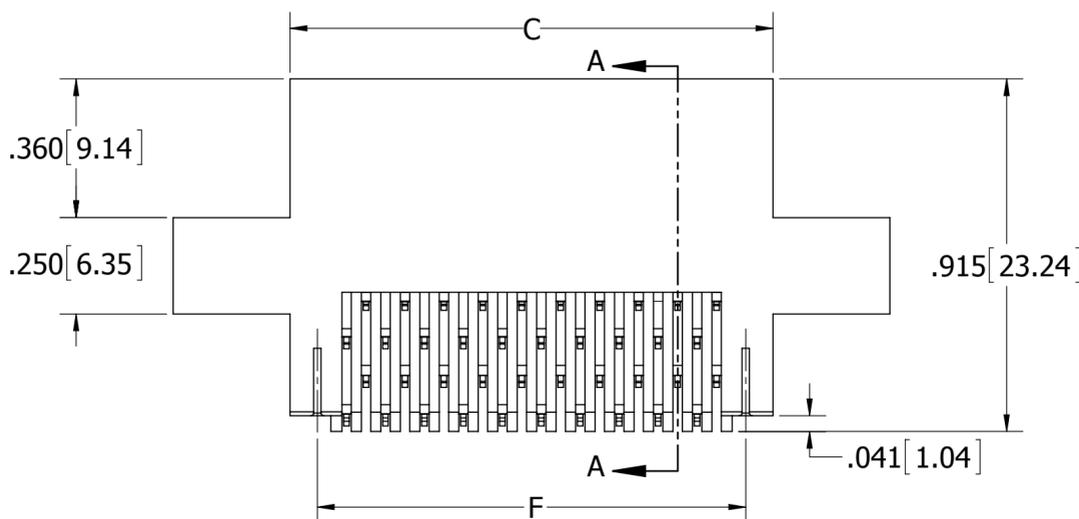


PIN A2
PIN A1
1ST POSITION INDICATOR

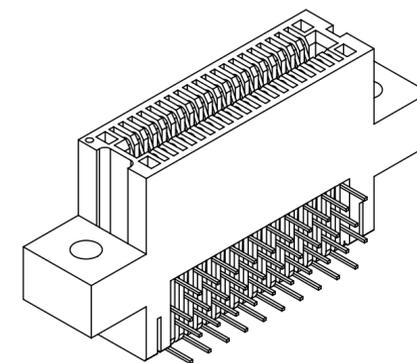
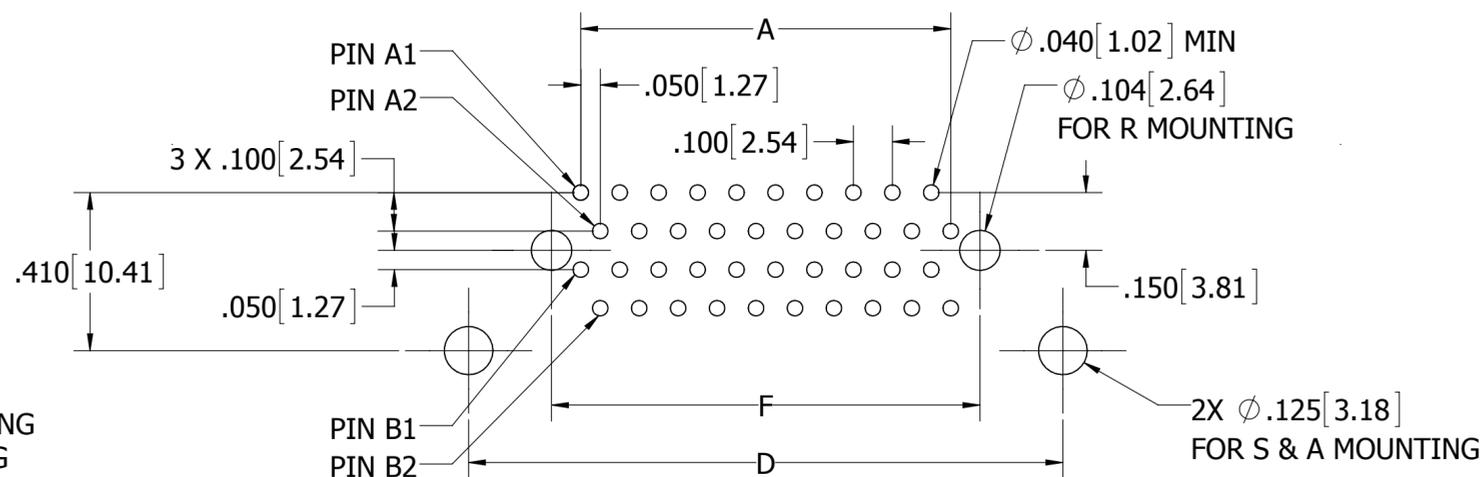


| REVISIONS | | | | |
|-----------|---------|--|-----------|-----|
| REV. | ECO. NO | DESCRIPTION | DATE | BY |
| E | 1810 | ADD HB TERMINATION, UPDATE LAYOUT | 9/25/2008 | ASK |
| F | 2791 | REMOVED 'E' & 'H' MTL OPTION, ADD CONTACT GAP DIM., UPDATED INSULATOR INNER WALL ON SECTION VIEW A-A & DWG FORMAT | 1/28/14 | JH |
| H | 3406 | ADD 'M' MATERIAL OPTION, REVISE NOTE 15 ON CUSTOMER DWG TO 1/2 OZ (was 1 OZ), UPDATE INSPECTION FORMAT ON PRODUCTION DWG, UPDATE PROCESSING TEMP FOR ALL MATERIALS, ADD PIN CALL OUT TO CUSTOMER DWG | 3/22/2016 | MG |



--- B --- DHAD
--- B --- DHBD

SECTION A-A
SCALE 3 : 1



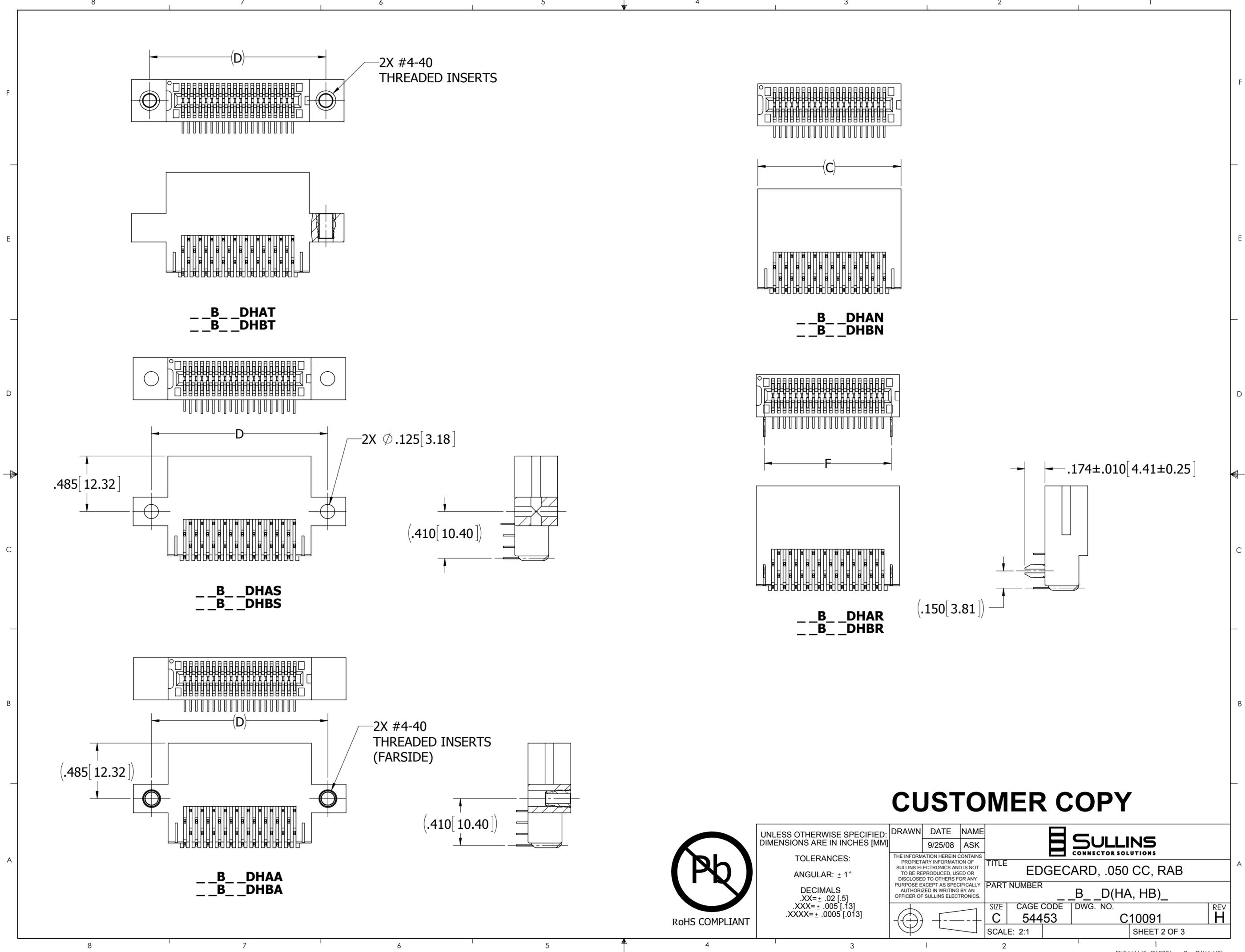
NOTES:

- INSULATOR MATERIAL: SEE PART NUMBER CODING
- CONTACT MATERIAL: SEE PART NUMBER CODING
- PLATING: SEE PART NUMBER CODING
- OPERATING TEMPERATURE: SEE PART NUMBER CODING
- PROCESSING TEMP: SEE PART NUMBER CODING
- UL FLAMMABILITY RATING: 94V-0
- OPERATING VOLTAGE: 300 VAC
- CURRENT RATING: 1 AMP
- CONTACT RESISTANCE: 30 MILLI OHMS MAX
- INSULATION RESISTANCE: 5000 MEGA OHMS
- DURABILITY: 500 CYCLES MINIMUM
- CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
- BOARD THICKNESS ACCOMMODATED: .062 ± .008 [1.57 ± 0.20]
- INSERTION FORCE: 6 OZ MAX PER CONTACT PAIR WHEN USING A .062 [1.57] TEST BLADE
- WITHDRAWAL FORCE: 1/2 OZ MIN PER CONTACT PAIR USING .062 [1.57] TEST BLADE



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| | | | | | | | |
|--|-----------|--------------|---------|------|---------------------------------------|--|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | | DRAWN | DATE | NAME | | | |
| | | | 9/25/08 | ASK | | | |
| TOLERANCES: ANGULAR: ± 1° DECIMALS .XX = ± .02 [.5] .XXX = ± .005 [.13] .XXXX = ± .0005 [.013] | | | | | TITLE EDGECARD, .050 CC, RAB | | |
| 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. | | | | | PART NUMBER _ _ B _ _ D (HA, HB) _ | | |
| SIZE | CAGE CODE | DWG. NO. | | REV | | | |
| C | 54453 | C10091 | | H | | | |
| SCALE: 3:1 | | SHEET 1 OF 3 | | | | | |



B_DHAT
B_DHBT

B_DHAN
B_DHBN

B_DHAS
B_DHBS

B_DHAR
B_DHBR

B_DHAA
B_DHBA

CUSTOMER COPY



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

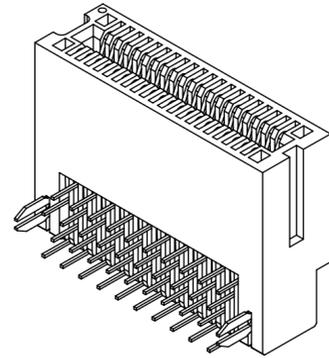
TOLERANCES:
ANGULAR: ± 1°

DECIMALS
.XX = ± .02 [.5]
.XXX = ± .005 [.13]
.XXXX = ± .0005 [.013]

| | | |
|---|---------|------|
| DRAWN | DATE | NAME |
| | 9/25/08 | ASK |
| <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 EDGECARD, .050 CC, RAB | | |
| PART NUMBER _B_D(HA, HB)_ | | |
| SIZE C | CAGE CODE 54453 | DWG. NO. C10091 |
| SCALE: 2:1 | SHEET 2 OF 3 | |
| REV H | | |

| PART NUMBER | NO OF POSITIONS | A±.005[0.13] | | B±.005[0.13] | | C±.015[0.38] | | D±.010[0.25] | | E±.020[0.51] | | F±.010[0.25] | |
|-------------|-----------------|--------------|--------|--------------|--------|--------------|--------|--------------------------|--------|--------------|--------|--------------|--------|
| | | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| __B05D__ | 5 | 0.200 | 5.08 | 0.300 | 7.62 | 0.490 | 12.45 | 0.776 | 19.71 | 1.090 | 27.69 | 0.350 | 8.89 |
| __B06D__ | 6 | 0.250 | 6.35 | 0.350 | 8.89 | 0.540 | 13.72 | 0.826 | 20.98 | 1.140 | 28.96 | 0.400 | 10.16 |
| __B09D__ | 9 | 0.400 | 10.16 | 0.500 | 12.70 | 0.690 | 17.53 | 0.976 | 24.79 | 1.290 | 32.77 | 0.550 | 13.97 |
| __B10D__ | 10 | 0.450 | 11.43 | 0.550 | 13.97 | 0.740 | 18.80 | 1.026 | 26.06 | 1.340 | 34.04 | 0.600 | 15.24 |
| __B13D__ | 13 | 0.600 | 15.24 | 0.700 | 17.78 | 0.890 | 22.61 | 1.176 | 29.87 | 1.490 | 37.85 | 0.750 | 19.05 |
| __B14D__ | 14 | 0.650 | 16.51 | 0.750 | 19.05 | 0.940 | 23.88 | 1.226 | 31.14 | 1.540 | 39.12 | 0.800 | 20.32 |
| __B15D__ | 15 | 0.700 | 17.78 | 0.800 | 20.32 | 0.990 | 25.15 | 1.276 | 32.41 | 1.590 | 40.39 | 0.850 | 21.59 |
| __B20D__ | 20 | 0.950 | 24.13 | 1.050 | 26.67 | 1.240 | 31.50 | 1.526 | 38.76 | 1.840 | 46.74 | 1.100 | 27.94 |
| __B22D__ | 22 | 1.050 | 26.67 | 1.150 | 29.21 | 1.340 | 34.04 | 1.626 | 41.30 | 1.940 | 49.28 | 1.200 | 30.48 |
| __B25D__ | 25 | 1.200 | 30.48 | 1.300 | 33.02 | 1.490 | 37.85 | 1.776 | 45.11 | 2.090 | 53.09 | 1.350 | 34.29 |
| __B30D__ | 30 | 1.450 | 36.83 | 1.550 | 39.37 | 1.740 | 44.20 | 2.026 | 51.46 | 2.340 | 59.44 | 1.600 | 40.64 |
| __B34D__ | 34 | 1.650 | 41.91 | 1.750 | 44.45 | 1.940 | 49.28 | 2.226 | 56.54 | 2.540 | 64.52 | 1.800 | 45.72 |
| __B35D__ | 35 | 1.700 | 43.18 | 1.800 | 45.72 | 1.990 | 50.55 | 2.276 | 57.81 | 2.590 | 65.79 | 1.850 | 46.99 |
| __B40D__ | 40 | 1.950 | 49.53 | 2.050 | 52.07 | 2.240 | 56.90 | 2.526 | 64.16 | 2.840 | 72.14 | 2.100 | 53.34 |
| __B45D__ | 45 | 2.200 | 55.88 | 2.300 | 58.42 | 2.490 | 63.25 | 2.776 | 70.51 | 3.090 | 78.49 | 2.350 | 59.69 |
| __B50D__ | 50 | 2.450 | 62.23 | 2.550 | 64.77 | 2.740 | 69.60 | 3.026 | 76.86 | 3.340 | 84.84 | 2.600 | 66.04 |
| __B55D__ | 55 | 2.700 | 68.58 | 2.800 | 71.12 | 2.990 | 75.95 | 3.276 | 83.21 | 3.590 | 91.19 | 2.850 | 72.39 |
| __B60D__ | 60 | 2.950 | 74.93 | 3.050 | 77.47 | 3.240 | 82.30 | 3.526 | 89.56 | 3.840 | 97.54 | 3.100 | 78.74 |
| __B64D__ | 64 | 3.150 | 80.01 | 3.250 | 82.55 | 3.440 | 87.38 | 3.726 | 94.64 | 4.040 | 102.62 | 3.300 | 83.82 |
| __B65D__ | 65 | 3.200 | 81.28 | 3.300 | 83.82 | 3.490 | 88.65 | 3.776 | 95.91 | 4.090 | 103.89 | 3.350 | 85.09 |
| __B66D__ | 66 | 3.250 | 82.55 | 3.350 | 85.09 | 3.540 | 89.92 | 3.826 | 97.18 | 4.140 | 105.16 | 3.400 | 86.36 |
| __B70D__ | 70 | 3.450 | 87.63 | 3.550 | 90.17 | 3.740 | 95.00 | 4.026 | 102.26 | 4.340 | 110.24 | 3.600 | 91.44 |
| __B75D__ | 75 | 3.700 | 93.98 | 3.800 | 96.52 | 3.990 | 101.35 | 4.276 | 108.61 | 4.590 | 116.59 | 3.850 | 97.79 |
| __B80D__ | 80 | 3.950 | 100.33 | 4.050 | 102.87 | 4.240 | 107.70 | 4.526 | 114.96 | 4.840 | 122.94 | 4.100 | 104.14 |
| __B85D__ | 85 | 4.200 | 106.68 | 4.300 | 109.22 | 4.490 | 114.05 | 4.776 | 121.31 | 5.090 | 129.29 | 4.350 | 110.49 |
| __B90D__ | 90 | 4.450 | 113.03 | 4.550 | 115.57 | 4.740 | 120.40 | 5.026 | 127.66 | 5.340 | 135.64 | 4.600 | 116.84 |
| __B95D__ | 95 | 4.700 | 119.38 | 4.800 | 121.92 | 4.990 | 126.75 | 5.276 | 134.01 | 5.590 | 141.99 | 4.850 | 123.19 |
| __B100D__ | 100 | 4.950 | 125.73 | 5.050 | 128.27 | 5.240 | 133.10 | 5.526 | 140.36 | 5.840 | 148.34 | 5.100 | 129.54 |
| __B105D__ | 105 | 5.200 | 132.08 | 5.300 | 134.62 | 5.490 | 139.45 | 5.776 | 146.71 | 6.090 | 154.69 | 5.350 | 135.89 |
| __B108D__ | 108 | 5.350 | 135.89 | 5.450 | 138.43 | 5.640 | 143.26 | 5.926 | 150.52 | 6.240 | 158.50 | 5.500 | 139.70 |
| __B110D__ | 110 | 5.450 | 138.43 | 5.550 | 140.97 | 5.740 | 145.80 | 6.026 | 153.06 | 6.340 | 161.04 | 5.600 | 142.24 |
| __B120D__ | 120 | 5.950 | 151.13 | 6.050 | 153.67 | 6.240 | 158.50 | 'N' OR 'R' MOUNTING ONLY | | | | 6.100 | 154.94 |



PART NUMBER CODING

B **D**

MATERIAL (INSULATOR/CONTACT)

- R = BLACK, PPS/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- G = BLACK, PA9T/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- A = BLACK, PPS/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- J = BLACK, PA9T/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- M = WHITE, PA9T/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
(CONSULT FACTORY FOR OTHER MATERIALS)

PLATING

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

CONTACT SURFACE

- B = .000010" GOLD
- C = .000030" GOLD

MOUNTING STYLE

- D = .250" EARS, FLUSH MOUNTING
- N = NO MOUNTING EARS
- A = SIDE MOUNTING WITH #4-40 THREADED INSERTS
- R = NO MOUNTING EARS, WITH BOARD LOCKS
- S = SIDE MOUNTING
- T = .250" EARS, FLUSH MOUNTING WITH #4-40 THREADED INSERTS

TERMINATION TYPE

- HA = .100" [2.54 mm] STAGGERED DIP SOLDER, .050" CENTERS
- HB = .170" [4.32 mm] STAGGERED DIP SOLDER, .050" CENTERS

NUMBER OF POSITIONS

TERMINATION

- .000100" PURE TIN, MATTE
- .000100" PURE TIN, MATTE



RoHS COMPLIANT

CUSTOMER COPY

| | | | | |
|---|-----------|----------|------|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | DRAWN | DATE | NAME | |
| | | 9/25/08 | ASK | |
| TOLERANCES: ANGULAR: ± 1° DECIMALS .XX = ± .02 [.5] .XXX = ± .005 [.13] .XXXX = ± .0005 [.013] | | | | <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 | | | | EDGECARD, .050 CC, RAB |
| PART NUMBER | | | | __B__D(HA, HB)_ |
| SIZE | CAGE CODE | DWG. NO. | REV | |
| C | 54453 | C10091 | H | |
| SCALE: 4:1 | | | | SHEET 3 OF 3 |