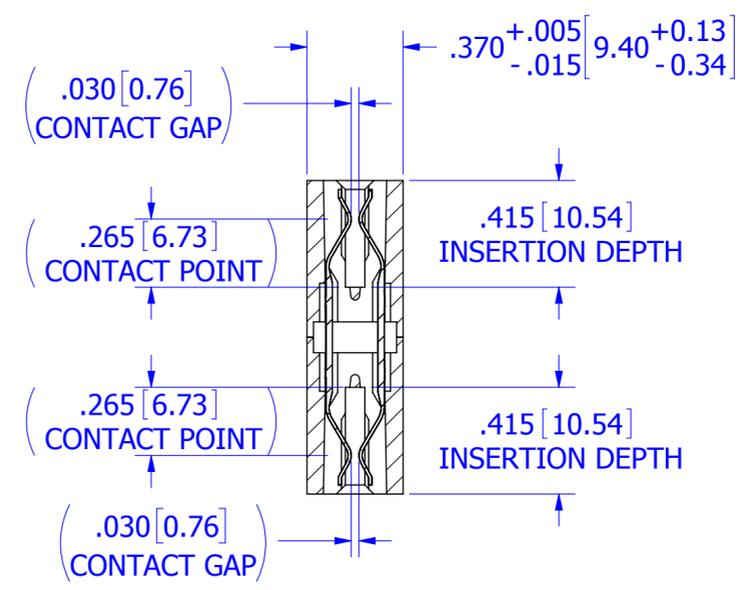
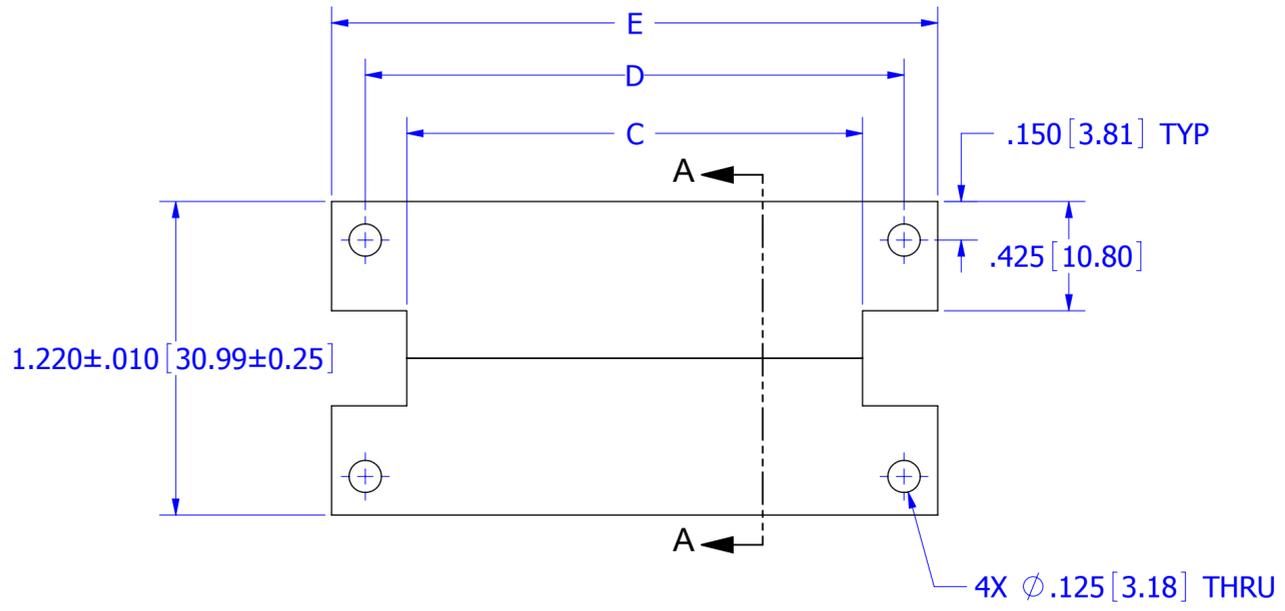
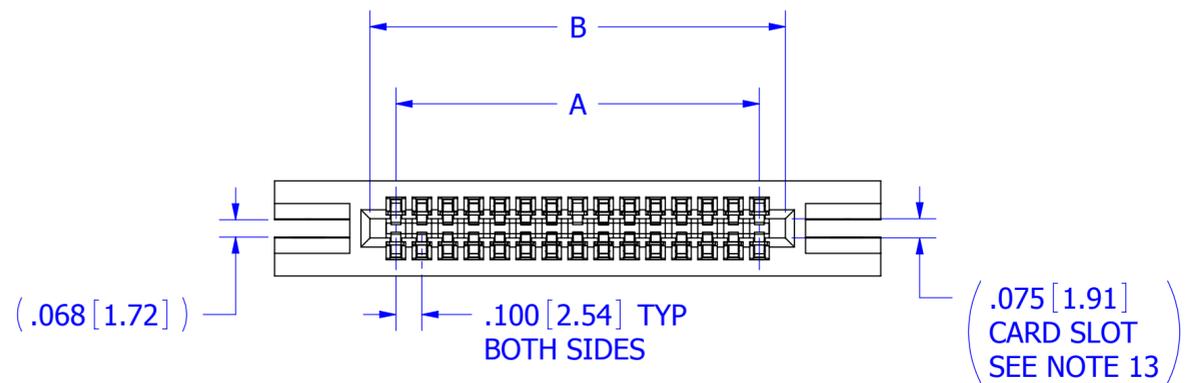
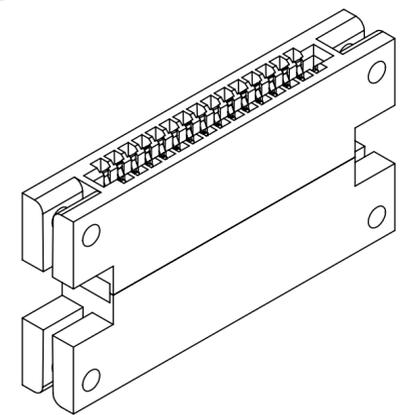
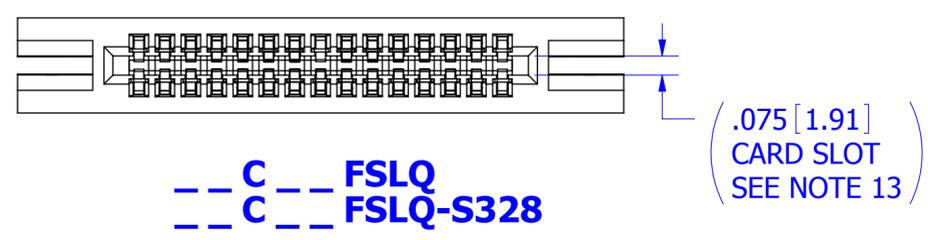


| REVISIONS | | | | |
|-----------|---------|---|------------|----|
| REV. | ECO. NO | DESCRIPTION | DATE | BY |
| D | 3780 | ADD DEFAULT MATERIAL COLOR, ADD S328 FOR BROWN PPS OPTION | 12/15/2017 | JH |



SECTION A-A

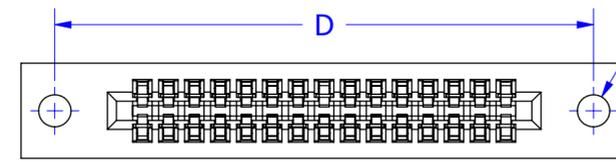
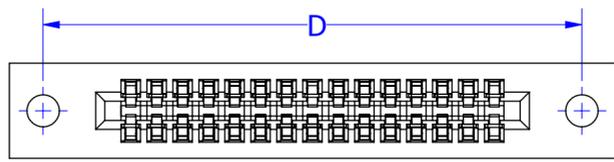


- NOTES:**
1. INSULATOR MATERIAL: SEE PART NUMBER CODING
 2. CONTACT MATERIAL: SEE PART NUMBER CODING
 3. PLATING: SEE PART NUMBER CODING
 4. OPERATING TEMPERATURE: SEE PART NUMBER CODING
 5. PROCESSING TEMP: SEE PART NUMBER CODING
 6. UL FLAMMABILITY RATING: 94V-0
 7. DIELECTRIC WITHSTANDING VOLTAGE: 1125 VAC
 8. CURRENT RATING: 3 AMP
 9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
 10. INSULATION RESISTANCE: 5000 MEGA OHMS
 11. DURABILITY: 500 CYCLES MINIMUM
 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: 8 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE
 15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] TEST BLADE
 16. MODIFICATION: SEE PART NUMBER CODING

CUSTOMER COPY



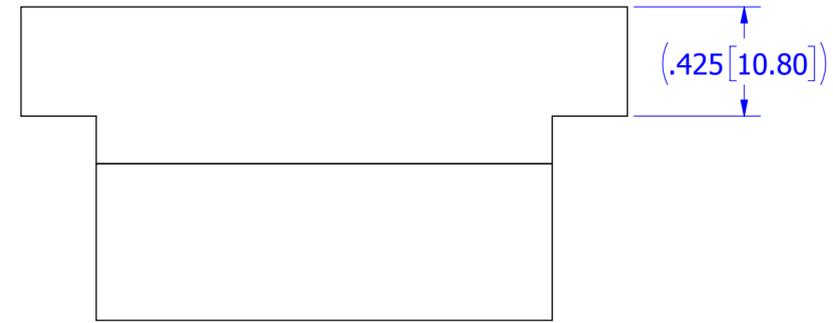
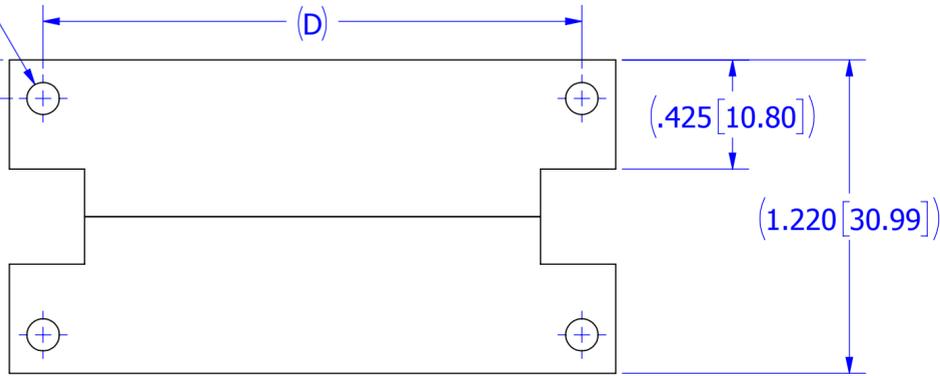
| | | | | | |
|--|-----------|--------------|---------|------|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | | DRAWN | DATE | NAME | |
| | | | 5/26/11 | MNH | |
| TOLERANCES: ANGULAR: ± 1° DECIMALS .XX= ± .02 [.5] .XXX= ± .005 [.13] .XXXX= ± .0005 [.013] | | | | | THE INFORMATION HEREIN 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 DUAL-EDGE .100" PITCH CONNECTOR | | | | | PART NUMBER __C__FSL__(-S328) |
| SIZE | CAGE CODE | DWG. NO. | | REV | |
| C | 54453 | C10823 | | D | |
| SCALE: 2:1 | | SHEET 1 OF 3 | | | |



2X ϕ .125 [3.18] THRU

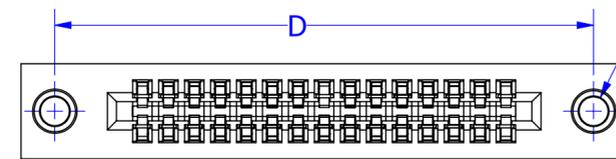
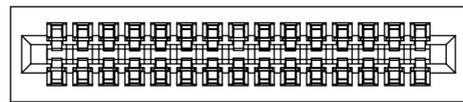
4X ϕ .125 [3.18] THRU

.150 [3.81] TYP

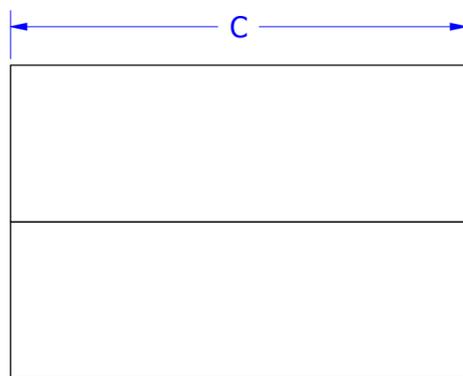


--- C --- FSLZ
--- C --- FSLZ-S328

--- C --- FSLD
--- C --- FSLD-S328



2X #4-40
THREADED INSERTS



--- C --- FSLN
--- C --- FSLN-S328

--- C --- FSLI
--- C --- FSLI-S328

CUSTOMER COPY



RoHS COMPLIANT

| | | | | |
|--|---|----------|--------------|---------------------------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | DRAWN | DATE | NAME | |
| | | 5/26/11 | MNH | |
| TOLERANCES: ANGULAR: $\pm 1^\circ$ DECIMALS .XX = $\pm .02$ [.5] .XXX = $\pm .005$ [.13] .XXXX = $\pm .0005$ [.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 |
| | | | | DUAL-EDGE .100" PITCH CONNECTOR |
| PART NUMBER | | | | REV |
| --- C --- FSL_(-S328) | | | | D |
| SIZE | CAGE CODE | DWG. NO. | | |
| C | 54453 | C10823 | | |
| SCALE: 2:1 | | | SHEET 2 OF 3 | |

| PART NUMBER | NO. OF POSITIONS | A±.008[0.20] | | B±.008[0.20] | | C±.015[0.38] | | D±.010[0.25] | | E±.020[0.25] | |
|-------------|------------------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|
| | | INCH | MM |
| C02FSL | 2 | 0.100 | 2.54 | 0.300 | 7.62 | 0.456 | 11.58 | 0.775 | 19.69 | 1.035 | 26.29 |
| C05FSL | 5 | 0.400 | 10.16 | 0.600 | 15.24 | 0.756 | 19.20 | 1.075 | 27.31 | 1.335 | 33.91 |
| C06FSL | 6 | 0.500 | 12.70 | 0.700 | 17.78 | 0.856 | 21.74 | 1.175 | 29.85 | 1.435 | 36.45 |
| C07FSL | 7 | 0.600 | 15.24 | 0.800 | 20.32 | 0.956 | 24.28 | 1.275 | 32.39 | 1.535 | 38.99 |
| C08FSL | 8 | 0.700 | 17.78 | 0.900 | 22.86 | 1.056 | 26.82 | 1.375 | 34.93 | 1.635 | 41.53 |
| C09FSL | 9 | 0.800 | 20.32 | 1.000 | 25.40 | 1.156 | 29.36 | 1.475 | 37.47 | 1.735 | 44.07 |
| C10FSL | 10 | 0.900 | 22.86 | 1.100 | 27.94 | 1.256 | 31.90 | 1.575 | 40.01 | 1.835 | 46.61 |
| C11FSL | 11 | 1.000 | 25.40 | 1.200 | 30.48 | 1.356 | 34.44 | 1.675 | 42.55 | 1.935 | 49.15 |
| C12FSL | 12 | 1.100 | 27.94 | 1.300 | 33.02 | 1.456 | 36.98 | 1.775 | 45.09 | 2.035 | 51.69 |
| C13FSL | 13 | 1.200 | 30.48 | 1.400 | 35.56 | 1.556 | 39.52 | 1.875 | 47.63 | 2.135 | 54.23 |
| C14FSL | 14 | 1.300 | 33.02 | 1.500 | 38.10 | 1.656 | 42.06 | 1.975 | 50.17 | 2.235 | 56.77 |
| C15FSL | 15 | 1.400 | 35.56 | 1.600 | 40.64 | 1.756 | 44.60 | 2.075 | 52.71 | 2.335 | 59.31 |
| C16FSL | 16 | 1.500 | 38.10 | 1.700 | 43.18 | 1.856 | 47.14 | 2.175 | 55.25 | 2.435 | 61.85 |
| C17FSL | 17 | 1.600 | 40.64 | 1.800 | 45.72 | 1.956 | 49.68 | 2.275 | 57.79 | 2.535 | 64.39 |
| C18FSL | 18 | 1.700 | 43.18 | 1.900 | 48.26 | 2.056 | 52.22 | 2.375 | 60.33 | 2.635 | 66.93 |
| C19FSL | 19 | 1.800 | 45.72 | 2.000 | 50.80 | 2.156 | 54.76 | 2.475 | 62.87 | 2.735 | 69.47 |
| C20FSL | 20 | 1.900 | 48.26 | 2.100 | 53.34 | 2.256 | 57.30 | 2.575 | 65.41 | 2.835 | 72.01 |
| C21FSL | 21 | 2.000 | 50.80 | 2.200 | 55.88 | 2.356 | 59.84 | 2.675 | 67.95 | 2.935 | 74.55 |
| C22FSL | 22 | 2.100 | 53.34 | 2.300 | 58.42 | 2.456 | 62.38 | 2.775 | 70.49 | 3.035 | 77.09 |
| C23FSL | 23 | 2.200 | 55.88 | 2.400 | 60.96 | 2.556 | 64.92 | 2.875 | 73.03 | 3.135 | 79.63 |
| C24FSL | 24 | 2.300 | 58.42 | 2.500 | 63.50 | 2.656 | 67.46 | 2.975 | 75.57 | 3.235 | 82.17 |
| C25FSL | 25 | 2.400 | 60.96 | 2.600 | 66.04 | 2.756 | 70.00 | 3.075 | 78.11 | 3.335 | 84.71 |
| C26FSL | 26 | 2.500 | 63.50 | 2.700 | 68.58 | 2.856 | 72.54 | 3.175 | 80.65 | 3.435 | 87.25 |
| C27FSL | 27 | 2.600 | 66.04 | 2.800 | 71.12 | 2.956 | 75.08 | 3.275 | 83.19 | 3.535 | 89.79 |
| C28FSL | 28 | 2.700 | 68.58 | 2.900 | 73.66 | 3.056 | 77.62 | 3.375 | 85.73 | 3.635 | 92.33 |
| C29FSL | 29 | 2.800 | 71.12 | 3.000 | 76.20 | 3.156 | 80.16 | 3.475 | 88.27 | 3.735 | 94.87 |
| C30FSL | 30 | 2.900 | 73.66 | 3.100 | 78.74 | 3.256 | 82.70 | 3.575 | 90.81 | 3.835 | 97.41 |
| C31FSL | 31 | 3.000 | 76.20 | 3.200 | 81.28 | 3.356 | 85.24 | 3.675 | 93.35 | 3.935 | 99.95 |
| C32FSL | 32 | 3.100 | 78.74 | 3.300 | 83.82 | 3.456 | 87.78 | 3.775 | 95.89 | 4.035 | 102.49 |
| C33FSL | 33 | 3.200 | 81.28 | 3.400 | 86.36 | 3.556 | 90.32 | 3.875 | 98.43 | 4.135 | 105.03 |
| C34FSL | 34 | 3.300 | 83.82 | 3.500 | 88.90 | 3.656 | 92.86 | 3.975 | 100.97 | 4.235 | 107.57 |
| C35FSL | 35 | 3.400 | 86.36 | 3.600 | 91.44 | 3.756 | 95.40 | 4.075 | 103.51 | 4.335 | 110.11 |
| C36FSL | 36 | 3.500 | 88.90 | 3.700 | 93.98 | 3.856 | 97.94 | 4.175 | 106.05 | 4.435 | 112.65 |
| C37FSL | 37 | 3.600 | 91.44 | 3.800 | 96.52 | 3.956 | 100.48 | 4.275 | 108.59 | 4.535 | 115.19 |
| C38FSL | 38 | 3.700 | 93.98 | 3.900 | 99.06 | 4.056 | 103.02 | 4.375 | 111.13 | 4.635 | 117.73 |
| C39FSL | 39 | 3.800 | 96.52 | 4.000 | 101.60 | 4.156 | 105.56 | 4.475 | 113.67 | 4.735 | 120.27 |
| C40FSL | 40 | 3.900 | 99.06 | 4.100 | 104.14 | 4.256 | 108.10 | 4.575 | 116.21 | 4.835 | 122.81 |
| C41FSL | 41 | 4.000 | 101.60 | 4.200 | 106.68 | 4.356 | 110.64 | 4.675 | 118.75 | 4.935 | 125.35 |
| C42FSL | 42 | 4.100 | 104.14 | 4.300 | 109.22 | 4.456 | 113.18 | 4.775 | 121.29 | 5.035 | 127.89 |
| C43FSL | 43 | 4.200 | 106.68 | 4.400 | 111.76 | 4.556 | 115.72 | 4.875 | 123.83 | 5.135 | 130.43 |
| C44FSL | 44 | 4.300 | 109.22 | 4.500 | 114.30 | 4.656 | 118.26 | 4.975 | 126.37 | 5.235 | 132.97 |
| C45FSL | 45 | 4.400 | 111.76 | 4.600 | 116.84 | 4.756 | 120.80 | 5.075 | 128.91 | 5.335 | 135.51 |
| C46FSL | 46 | 4.500 | 114.30 | 4.700 | 119.38 | 4.856 | 123.34 | 5.175 | 131.45 | 5.435 | 138.05 |
| C47FSL | 47 | 4.600 | 116.84 | 4.800 | 121.92 | 4.956 | 125.88 | 5.275 | 133.99 | 5.535 | 140.59 |
| C48FSL | 48 | 4.700 | 119.38 | 4.900 | 124.46 | 5.056 | 128.42 | 5.375 | 136.53 | 5.635 | 143.13 |
| C49FSL | 49 | 4.800 | 121.92 | 5.000 | 127.00 | 5.156 | 130.96 | 5.475 | 139.07 | 5.735 | 145.67 |
| C50FSL | 50 | 4.900 | 124.46 | 5.100 | 129.54 | 5.256 | 133.50 | 5.575 | 141.61 | 5.835 | 148.21 |
| C51FSL | 51 | 5.000 | 127.00 | 5.200 | 132.08 | 5.356 | 136.04 | 5.675 | 144.15 | 5.935 | 150.75 |
| C52FSL | 52 | 5.100 | 129.54 | 5.300 | 134.62 | 5.456 | 138.58 | 5.775 | 146.69 | 6.035 | 153.29 |
| C53FSL | 53 | 5.200 | 132.08 | 5.400 | 137.16 | 5.556 | 141.12 | 5.875 | 149.23 | 6.135 | 155.83 |
| C54FSL | 54 | 5.300 | 134.62 | 5.500 | 139.70 | 5.656 | 143.66 | 5.975 | 151.77 | 6.235 | 158.37 |
| C55FSL | 55 | 5.400 | 137.16 | 5.600 | 142.24 | 5.756 | 146.20 | 6.075 | 154.31 | 6.335 | 160.91 |
| C56FSL | 56 | 5.500 | 139.70 | 5.700 | 144.78 | 5.856 | 148.74 | 6.175 | 156.85 | 6.435 | 163.45 |
| C57FSL | 57 | 5.600 | 142.24 | 5.800 | 147.32 | 5.956 | 151.28 | 6.275 | 159.39 | 6.535 | 165.99 |
| C58FSL | 58 | 5.700 | 144.78 | 5.900 | 149.86 | 6.056 | 153.82 | 6.375 | 161.93 | 6.635 | 168.53 |
| C59FSL | 59 | 5.800 | 147.32 | 6.000 | 152.40 | 6.156 | 156.36 | 6.475 | 164.47 | 6.735 | 171.07 |
| C60FSL | 60 | 5.900 | 149.86 | 6.100 | 154.94 | 6.256 | 158.90 | 6.575 | 167.01 | 6.835 | 173.61 |
| C70FSL | 70 | 6.900 | 175.26 | 7.100 | 180.34 | 7.256 | 184.30 | 7.575 | 192.41 | 7.835 | 199.01 |

MATERIALS (INSULATOR / CONTACT)

E = BLACK PBT/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C

R = BLACK PPS/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C

H = BLACK PBT/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +125°C

A = BLACK PPS/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C

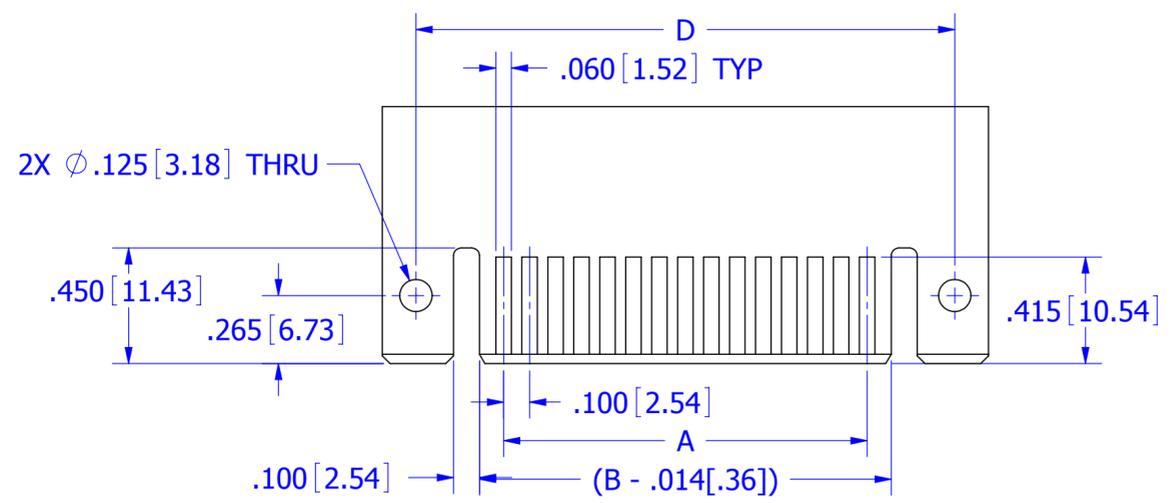
PART NUMBER CODING

C — PLATING
FSL — NUMBER OF POSITIONS (CONTACTS PER ROW)
-S — MODIFICATION CODE

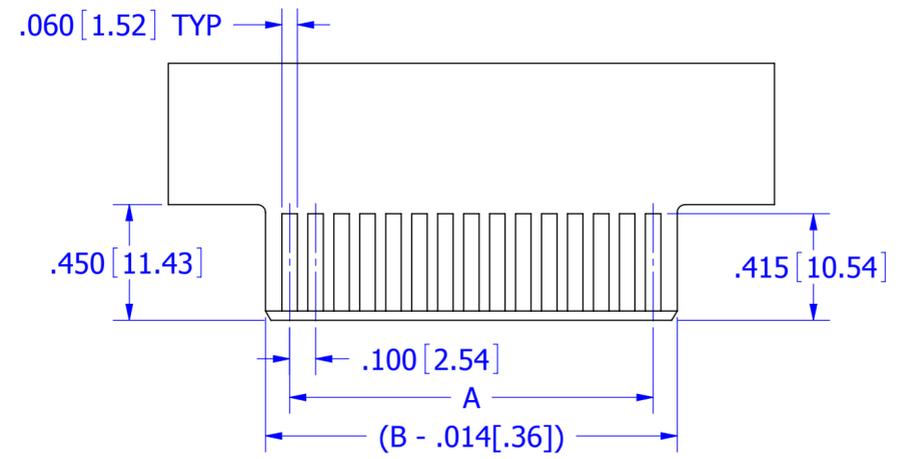
MODIFICATION CODE
OMIT FOR STANDARD, EX: 'EAC06FSLD'
S328 = BROWN PPS (MATERIAL CODE 'R' OR 'A' ONLY)

MOUNTING STYLE
Q = STRADDLE MOUNT
D = .125 MOUNTING HOLES
N = NO MOUNTING
I = #4-40 THREADED INSERT
Z = SIDE MOUNTING

PLATING
ALL PLATINGS HAVE .000100" NICKEL UNDERPLATE OVERALL
CONTACT SURFACE BOTH SIDES
A = .000030" GOLD



PCB LAYOUT RECOMMENDED 'Q' MOUNTING



PCB LAYOUT RECOMMENDED 'N', 'D', 'Z', & 'I' MOUNTING

CUSTOMER COPY



| | | | | | |
|---|-----------|--------------|---------|------|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | | DRAWN | DATE | NAME | |
| | | | 5/26/11 | MNH | |
| 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 DUAL-EDGE .100" PITCH CONNECTOR PART NUMBER __C__FSL_(-S328) |
| SIZE | CAGE CODE | DWG. NO. | REV | | |
| C | 54453 | C10823 | D | | |
| SCALE: 2:1 | | SHEET 3 OF 3 | | | |