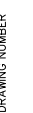


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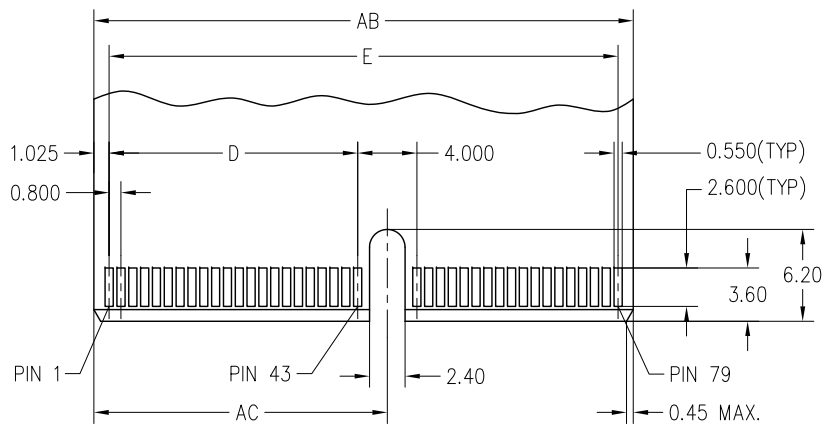
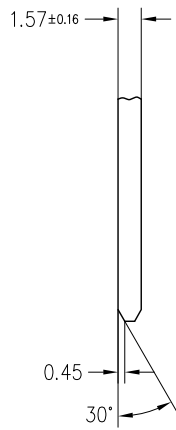
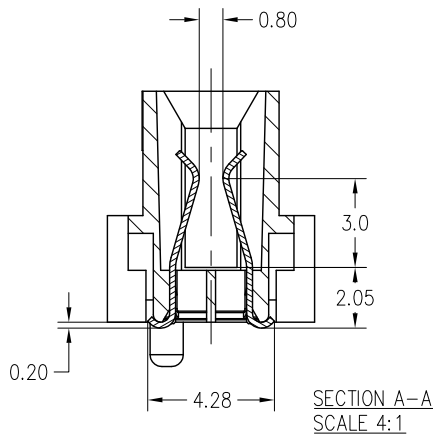
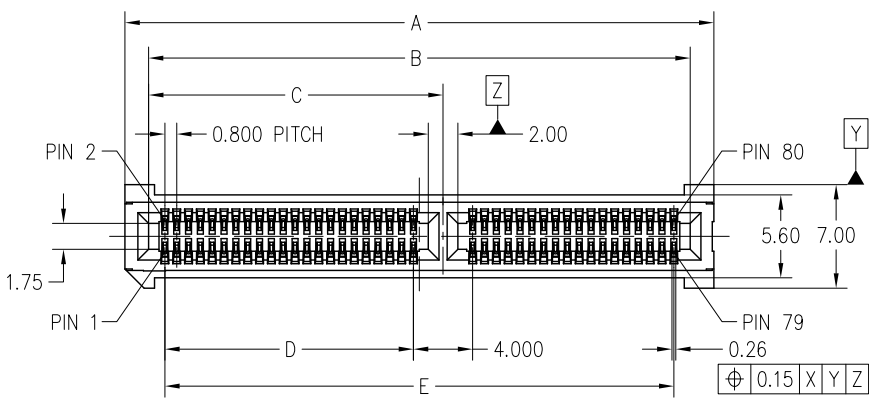


REVISION

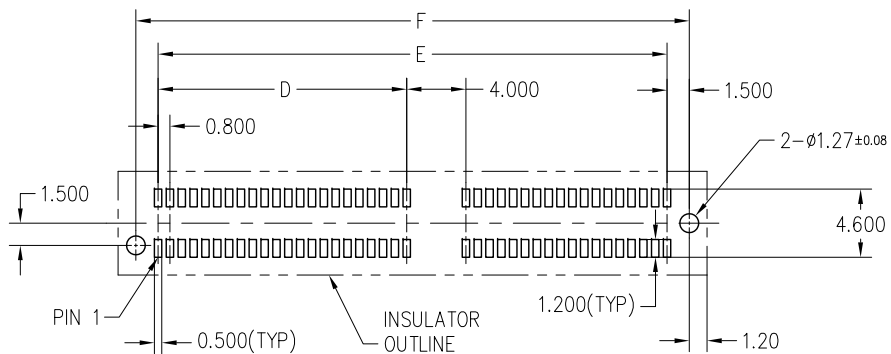
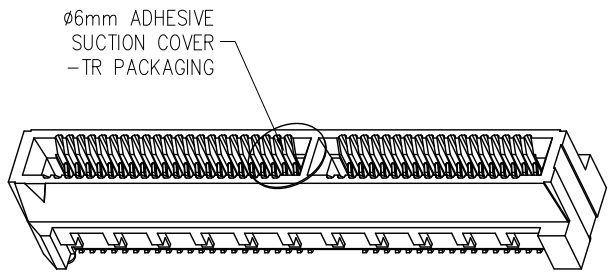
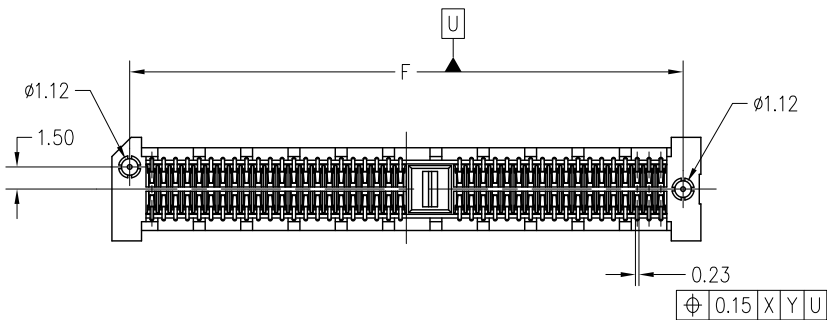
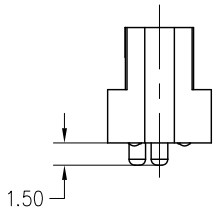
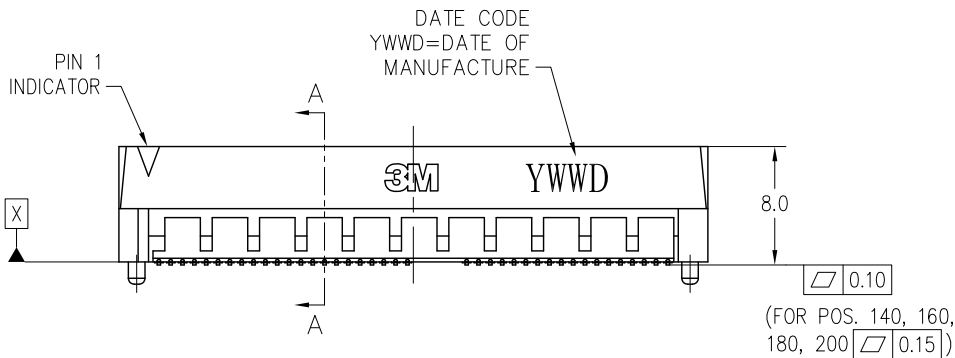
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3M™ HIGH SPEED CARD-EDGE CONNECTOR, SPD08 SERIES

FIG. 2  
FOR POSITIONS 050, 080, 100, 120,  
140, 160, 180, 200, W/O LATCH TYPE  
(SHOWN: SPD08-080-XX-TR)



RECOMMENDED MATING CARD LAYOUT



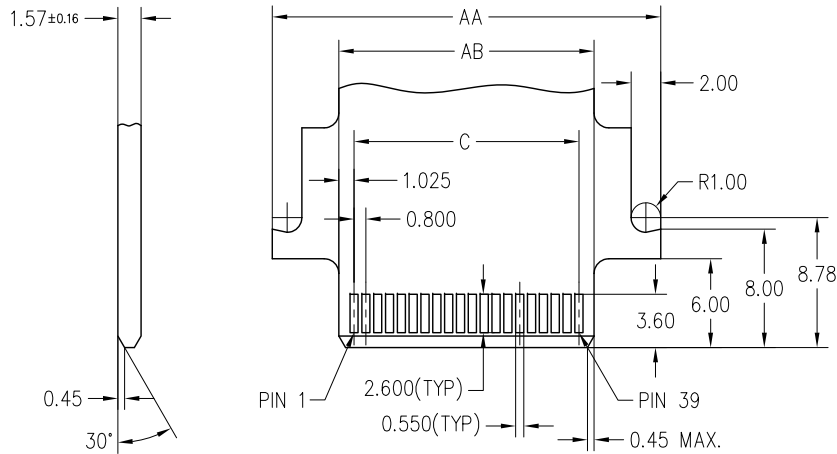
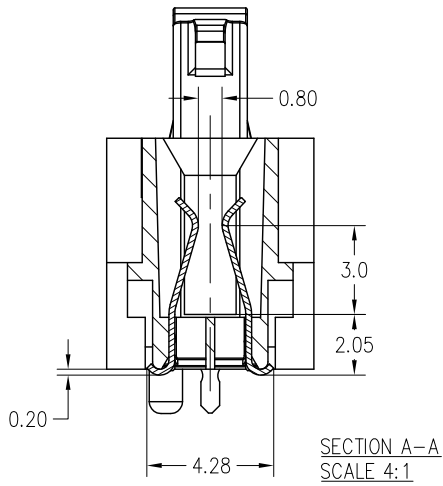
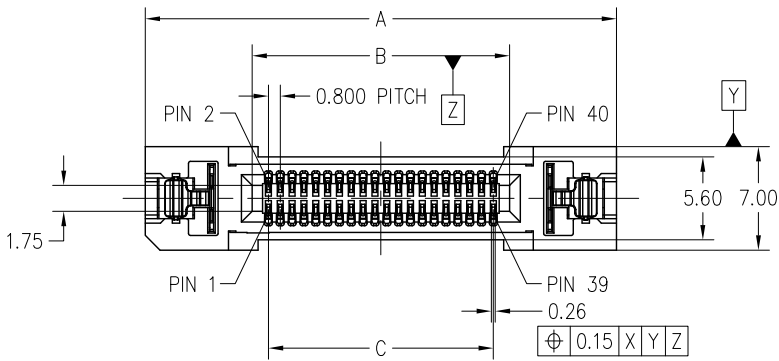
RECOMMENDED PCB LAYOUT

| POSITIONS | DIMENSIONS |       |       |        |        |       |       |        |
|-----------|------------|-------|-------|--------|--------|-------|-------|--------|
|           | A          | B     | C     | D      | E      | F     | AB    | AC     |
| 50        | 27.80      | 24.60 | 7.10  | 4.000  | 22.400 | 25.40 | 24.45 | 7.025  |
| 80        | 39.80      | 36.60 | 19.90 | 16.800 | 34.400 | 37.40 | 36.45 | 19.825 |
| 100       | 47.80      | 44.60 | 23.90 | 20.800 | 42.400 | 45.40 | 44.45 | 23.825 |
| 120       | 55.80      | 52.60 | 27.90 | 24.800 | 50.400 | 53.40 | 52.45 | 27.825 |
| 140       | 63.80      | 60.60 | 27.90 | 24.800 | 58.400 | 61.40 | 60.45 | 27.825 |
| 160       | 71.80      | 68.60 | 27.90 | 24.800 | 66.400 | 69.40 | 68.45 | 27.825 |
| 180       | 79.80      | 76.60 | 27.90 | 24.800 | 74.400 | 77.40 | 76.45 | 27.825 |
| 200       | 87.80      | 84.60 | 27.90 | 24.800 | 82.400 | 85.40 | 84.45 | 27.825 |

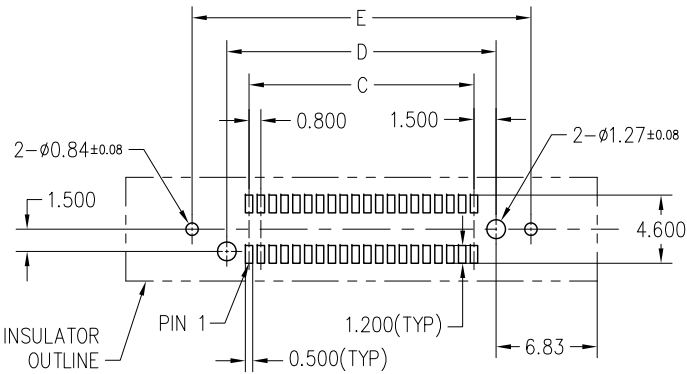
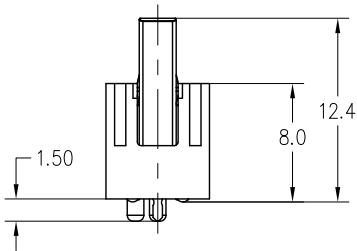
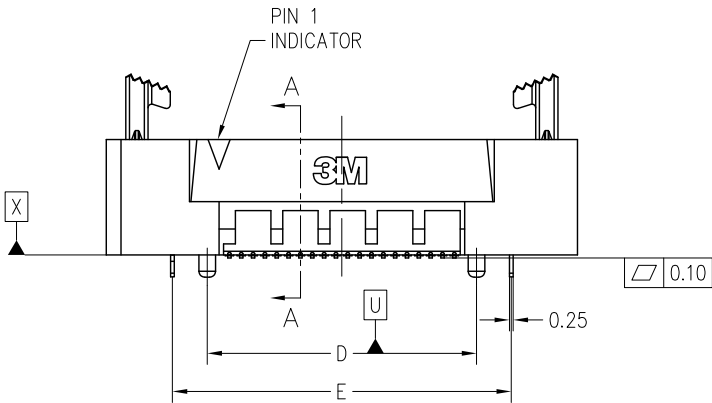
|                                 |               |                            |          |                                                                                                                                                                    |          |                                  |             |
|---------------------------------|---------------|----------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------|-------------|
| DESIGN REFERENCE                | NEXT ASSEMBLY | REV                        | ECO      | ISSUE DATE AND DESCRIPTION                                                                                                                                         |          | DRFT                             | CHKD        |
| DISTRIBUTION CODES              |               | DRFT                       | K.D. LIU | DATE                                                                                                                                                               | 05/11/11 | MFG                              | DATE        |
|                                 |               | CHKD                       |          | DATE                                                                                                                                                               |          | APPVL                            | DATE        |
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| THIRD ANGLE PROJECTION          |               | INCHES                     |          | TITLE                                                                                                                                                              |          |                                  |             |
| INTERPRET PER ASME Y14.5 - 1994 |               | MILLIMETERS                |          | SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT                                                                                                              |          |                                  |             |
| MAX SURFACE ROUGHNESS           |               | ANGLES ± 3°                |          | CAGE NUMBER                                                                                                                                                        |          | SIZE                             | DRAWING NO. |
| □ ALL SURFACES                  |               |                            |          | 78-5100-2420-7                                                                                                                                                     |          | REV.                             | B           |
| □ MARKED ONLY                   |               |                            |          | MODEL                                                                                                                                                              |          | DET. LISTS □ YES □ NO SHT 2 OF 4 |             |

3M™ HIGH SPEED CARD-EDGE CONNECTOR, SPD08 SERIES

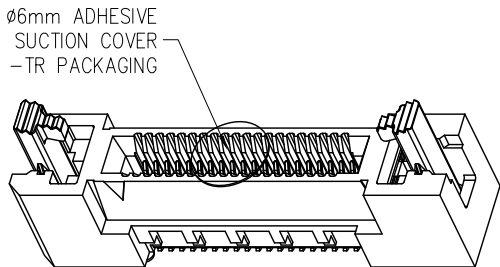
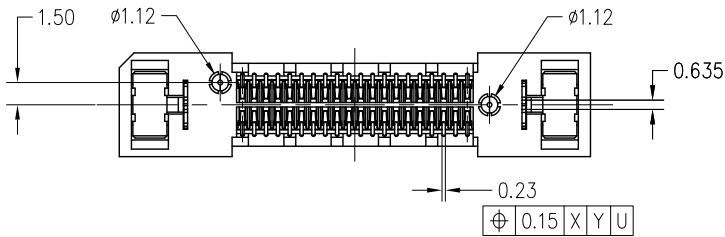
FIG. 3  
FOR POSITIONS 020, 040, 060,  
WITH LATCH TYPE  
(SHOWN: SPD08-040-L-XX-TR)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT

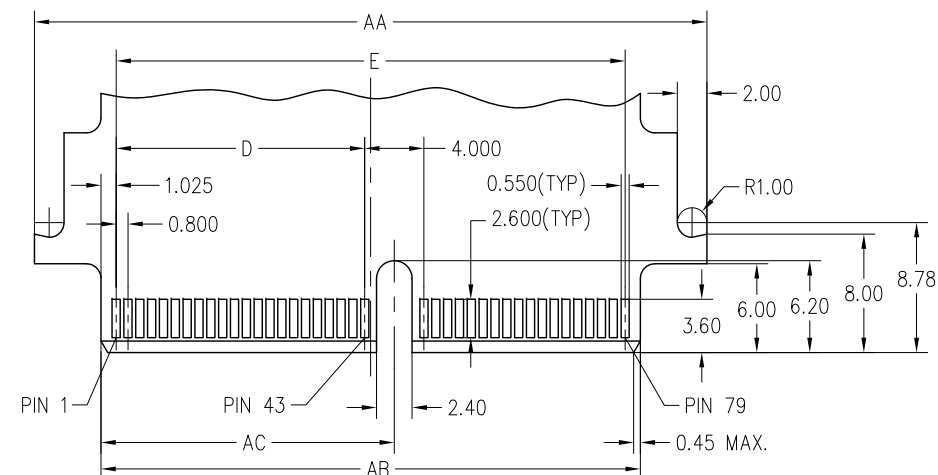
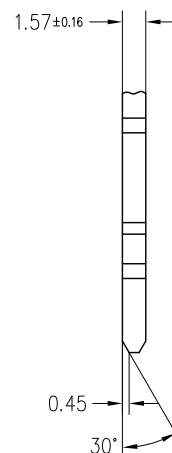
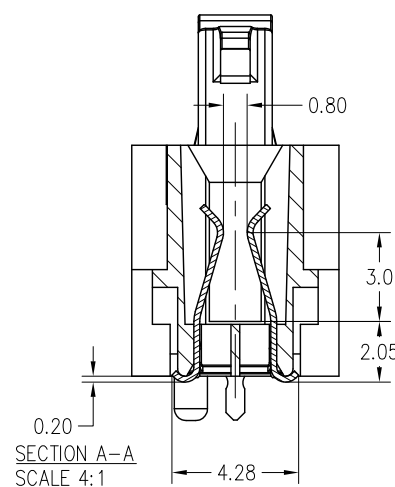
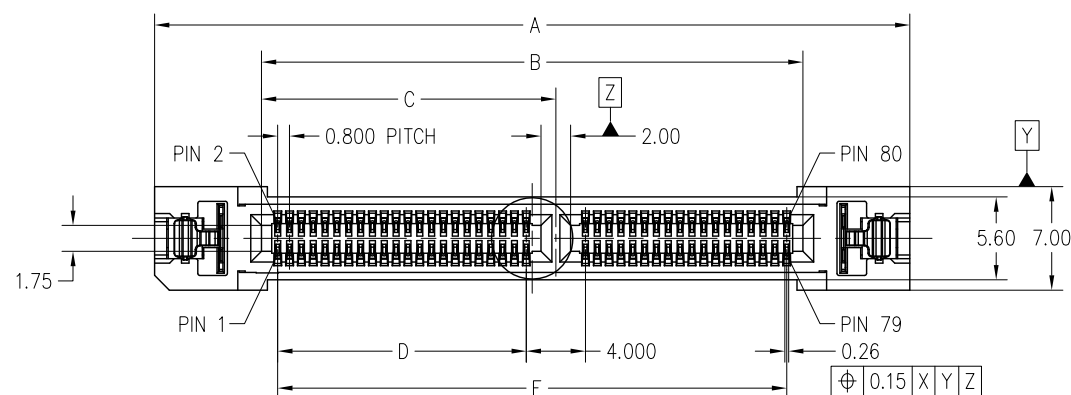


| POSITIONS | DIMENSIONS |       |        |       |       |       |       |
|-----------|------------|-------|--------|-------|-------|-------|-------|
|           | A          | B     | C      | D     | E     | AA    | AB    |
| 20        | 23.85      | 9.40  | 7.200  | 10.20 | 14.90 | 18.25 | 9.25  |
| 40        | 31.85      | 17.40 | 15.200 | 18.20 | 22.90 | 26.25 | 17.25 |
| 60        | 39.85      | 25.40 | 23.200 | 26.20 | 30.90 | 34.25 | 25.25 |

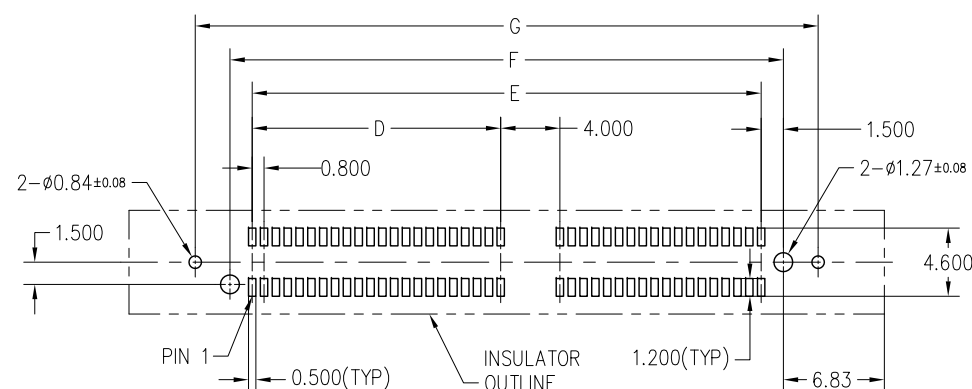
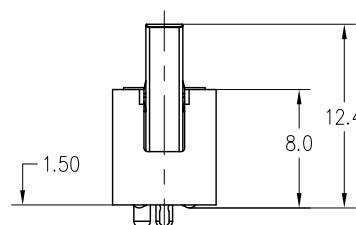
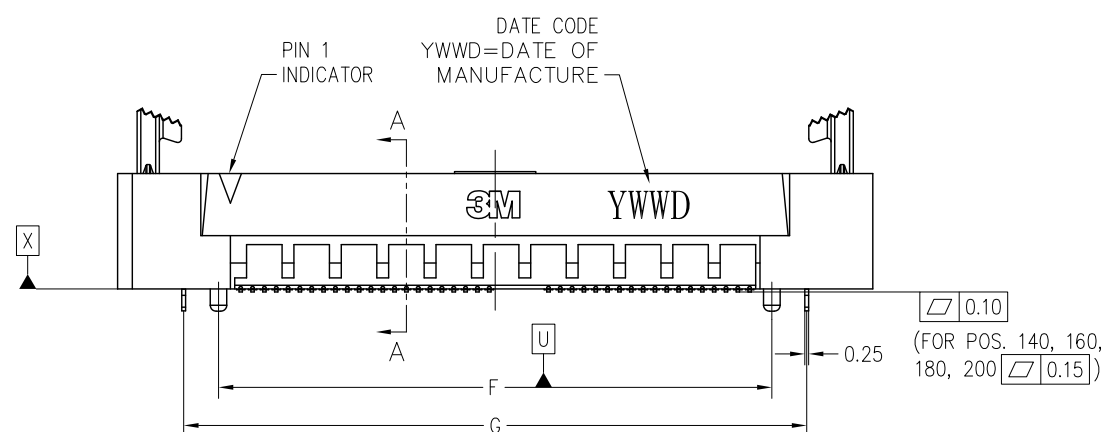
|                                                          |               |                                                                   |          |                                                                                                                                                                    |          |       |      |
|----------------------------------------------------------|---------------|-------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|------|
| DESIGN REFERENCE                                         | NEXT ASSEMBLY | REV                                                               | ECO      | ISSUE DATE AND DESCRIPTION                                                                                                                                         |          | DRFT  | CHKD |
| DISTRIBUTION CODES                                       |               | DRFT                                                              | K.D. LIU | DATE                                                                                                                                                               | 05/11/11 | MFG   | DATE |
|                                                          |               | CHKD                                                              |          | DATE                                                                                                                                                               |          | APPVL | DATE |
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| THIRD ANGLE PROJECTION                                   |               | INCHES<br>.0 ±<br>.00 ±<br>.000 ±<br>.0000 ±                      |          | TITLE<br>SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT                                                                                                     |          |       |      |
| INTERPRET PER ASME Y14.5 - 1994                          |               | MILLIMETERS<br>0 ± 0.50<br>.0 ± 0.20<br>.00 ± 0.10<br>.000 ± 0.05 |          | CAGE NUMBER<br>78-5100-2420-7                                                                                                                                      |          |       |      |
| MAX SURFACE ROUGHNESS<br>□ ALL SURFACES<br>✓ MARKED ONLY |               | ANGLES ± 3°                                                       |          | REV. B                                                                                                                                                             |          |       |      |
| MODEL                                                    |               |                                                                   |          | DET. LISTS □ YES □ NO SHT 3 OF 4                                                                                                                                   |          |       |      |

3M™ HIGH SPEED CARD-EDGE CONNECTOR, SPD08 SERIES

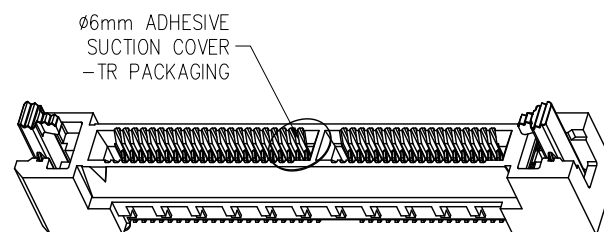
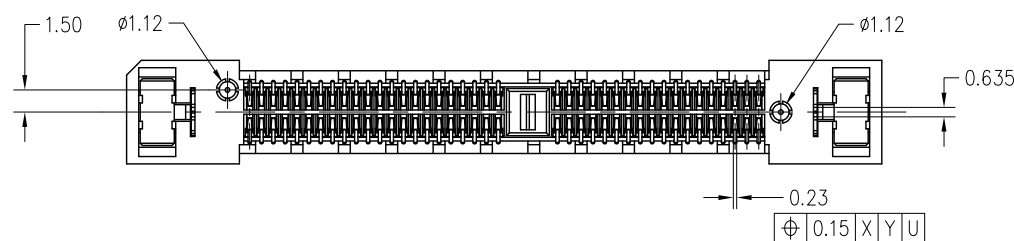
FIG. 4  
FOR POSITIONS 050, 080, 100, 120,  
140, 160, 180, 200, WITH LATCH TYPE  
(SHOWN: SPD08-080-L-XX-TR)



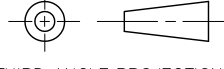
RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT



| POSITIONS | DIMENSIONS |       |       |        |        |       |       |       |       |        |
|-----------|------------|-------|-------|--------|--------|-------|-------|-------|-------|--------|
|           | A          | B     | C     | D      | E      | F     | G     | AA    | AB    | AC     |
| 50        | 39.05      | 24.60 | 7.10  | 4.000  | 22.400 | 25.40 | 30.10 | 33.45 | 24.45 | 7.025  |
| 80        | 51.05      | 36.60 | 19.90 | 16.800 | 34.400 | 37.40 | 42.10 | 45.45 | 36.45 | 19.825 |
| 100       | 59.05      | 44.60 | 23.90 | 20.800 | 42.400 | 45.40 | 50.10 | 53.45 | 44.45 | 23.825 |
| 120       | 67.05      | 52.60 | 27.90 | 24.800 | 50.400 | 53.40 | 58.10 | 61.45 | 52.45 | 27.825 |
| 140       | 75.05      | 60.60 | 27.90 | 24.800 | 58.400 | 61.40 | 66.10 | 69.45 | 60.45 | 27.825 |
| 160       | 83.05      | 68.60 | 27.90 | 24.800 | 66.400 | 69.40 | 74.10 | 77.45 | 68.45 | 27.825 |
| 180       | 91.05      | 76.60 | 27.90 | 24.800 | 74.400 | 77.40 | 82.10 | 85.45 | 76.45 | 27.825 |
| 200       | 99.05      | 84.60 | 27.90 | 24.800 | 82.400 | 85.40 | 90.10 | 93.45 | 84.45 | 27.825 |

|                                                                                       |                        |                                                                                                                                                                                                                                                                                                            |                                                                |                            |      |            |
|---------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------|------|------------|
| DESIGN REFERENCE                                                                      | NEXT ASSEMBLY          | REV                                                                                                                                                                                                                                                                                                        | ECO                                                            | ISSUE DATE AND DESCRIPTION | DRFT | CHKD       |
| DISTRIBUTION CODES                                                                    |                        | DRFT                                                                                                                                                                                                                                                                                                       | K.D. LIU                                                       | DATE 05/11/11              | MFG  | DATE       |
|                                                                                       |                        | CHKD                                                                                                                                                                                                                                                                                                       |                                                                | DATE                       | APPL | DATE       |
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| DO NOT SCALE DRAWING                                                                  | SCALE 2:1              |                                                                                                                                                                                                                                                                                                            |                                                                |                            |      |            |
|  | THIRD ANGLE PROJECTION | INCHES<br>.0 ±<br>.00 ±<br>.000 ±<br>.0000 ±                                                                                                                                                                                                                                                               | TITLE<br>SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT |                            |      |            |
| INTERPRET PER ASME Y14.5 - 1994                                                       |                        | MILLIMETERS<br>0 ± 0.50<br>.0 ± 0.20<br>.00 ± 0.10<br>.000 ± 0.05                                                                                                                                                                                                                                          |                                                                |                            |      |            |
| MAX SURFACE ROUGHNESS<br>□ ALL SURFACES<br>✓ □ MARKED ONLY                            |                        | ANGLES ± 3°                                                                                                                                                                                                                                                                                                |                                                                |                            |      |            |
|                                                                                       |                        |                                                                                                                                                                                                                                                                                                            |                                                                |                            |      |            |
| CAGE NUMBER                                                                           | SIZE C                 | DRAWING NO. 78-5100-2420-7                                                                                                                                                                                                                                                                                 | REV. B                                                         | MODEL                      |      |            |
| DET. LISTS                                                                            |                        |                                                                                                                                                                                                                                                                                                            | □ YES □ NO                                                     |                            |      | SHT 4 OF 4 |