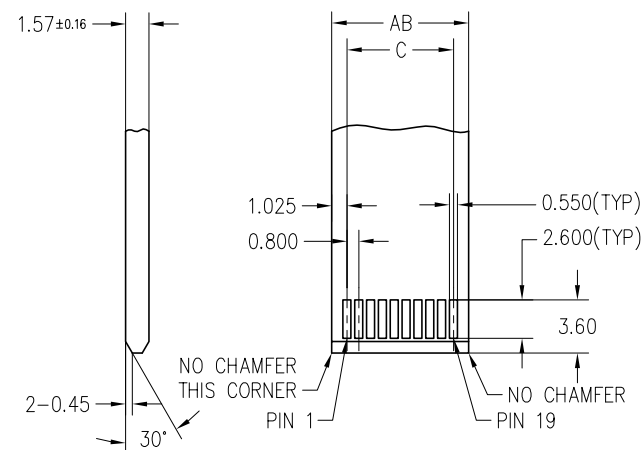
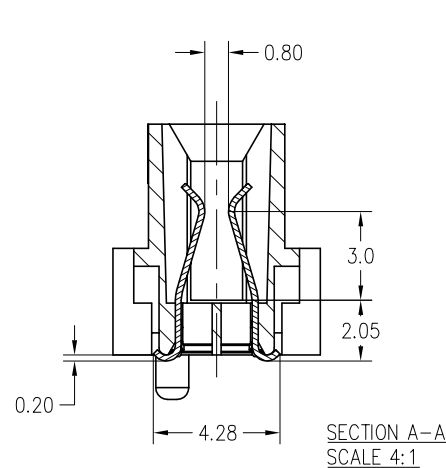
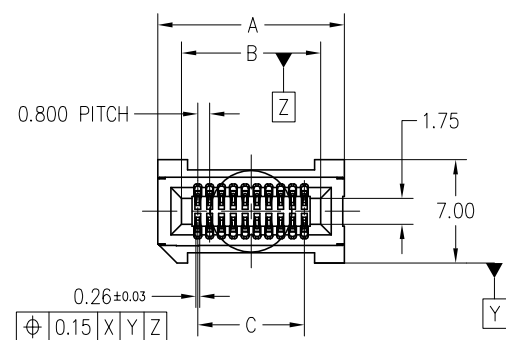
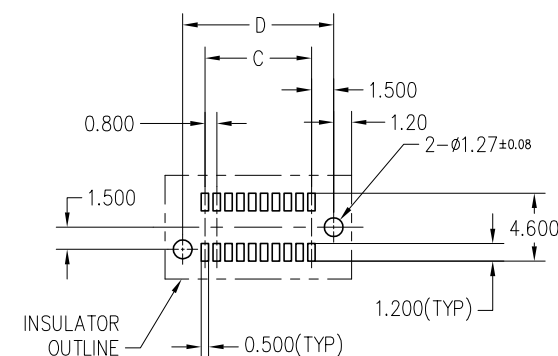
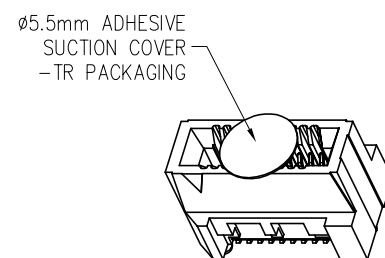
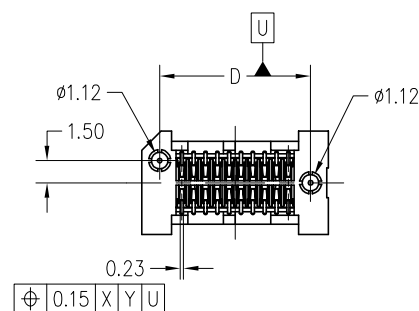
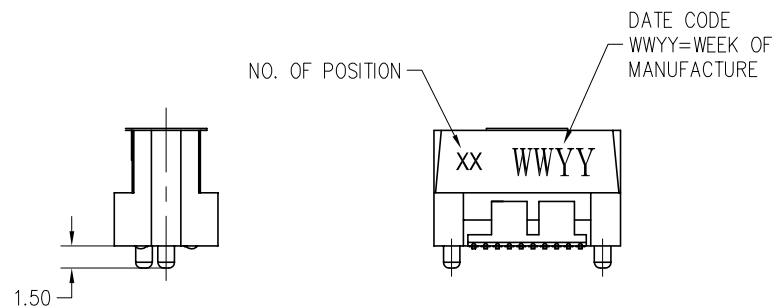
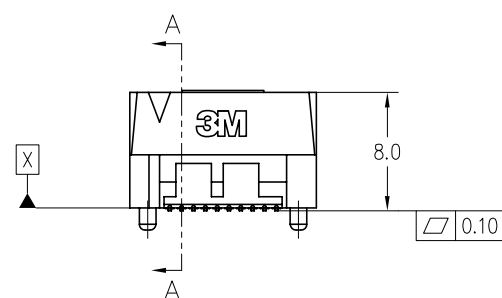


3M™ High-Speed Card-Edge CONNECTOR, SPD08

FIG. 1  
FOR POSITIONS 020, 040, 060,  
W/O LATCH OPTION  
(SHOWN: SPD08-020-RB-TR)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT

NOTES:

- MATERIAL:  
HOUSING: GLASS FILLED LCP, BLACK, UL 94V-0.  
LATCH: GLASS FILLED LCP, BEIGE, UL 94V-0.  
SOLDER TAB: COPPER ALLOY.  
CONTACT: COPPER ALLOY.
- FINISH:  
GOLD PLATING ON CONTACT MATING AREA,  
3~5um MATTE TIN ON SOLDER TAIL,  
1.27um NICKEL UNDER PLATED.
- RATING:  
CURRENT: 3.0A @ 30°C TEMPERATURE RISE.  
VOLTAGE: 50V AC.  
TEMPERATURE: -55 TO 125°C.  
CONTACT RESISTANCE: 50mΩ MAX.  
CHARACTERISTIC IMPEDANCE: 50Ω SINGLE-ENDED,  
100Ω DIFFERENTIAL.  
BANDWIDTH: 7.5GHz (RATED @ -3dB INSERTION LOSS,  
30mm STACK HEIGHT)
- ROHS COMPLIANT.
- PART NUMBERING INFORMATION:

SPD08-XXX-X-XX-XX

NO OF POSITIONS  
020, 040, 060 (SEE FIG. 1, 3)  
064, 080, 100, 120, 140,  
160, 180, 200 (SEE FIG. 2, 4)

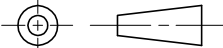
PACKAGING OPTION  
BLANK= TRAY  
TR= TAPE & REEL

PLATING OPTION  
RB= 0.76um GOLD  
RA= 0.25um GOLD

LATCHING OPTION  
BLANK= W/O LATCH (SEE FIG. 1, 2)  
L = WITH LATCH (SEE FIG. 3, 4)

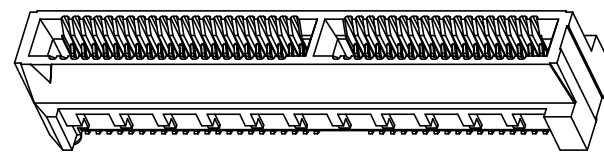
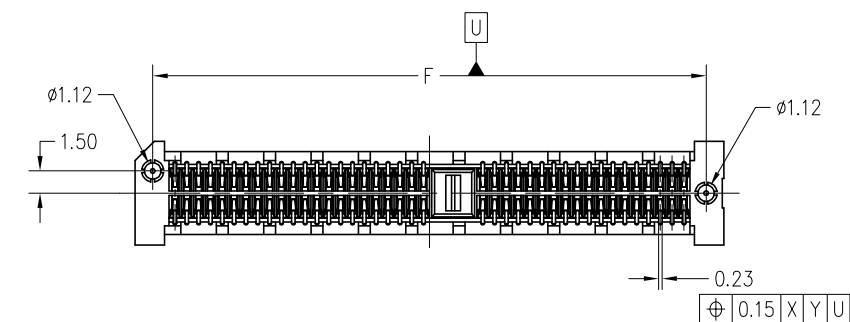
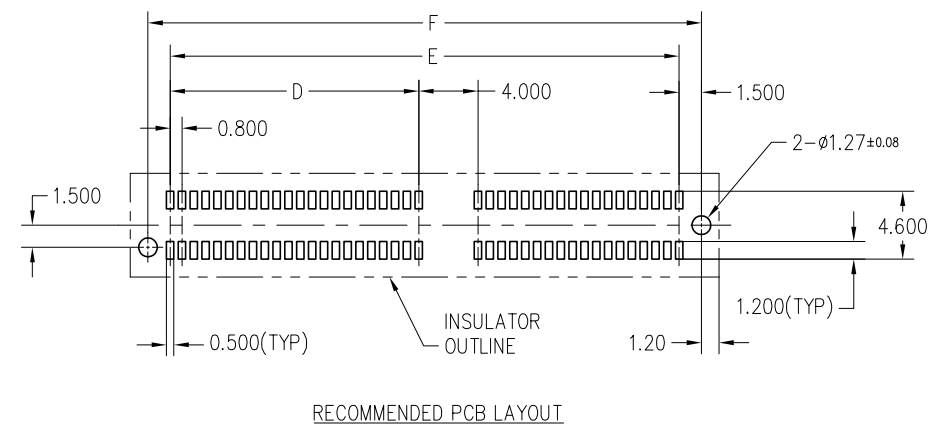
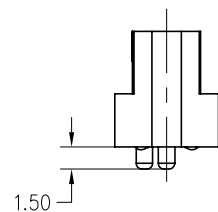
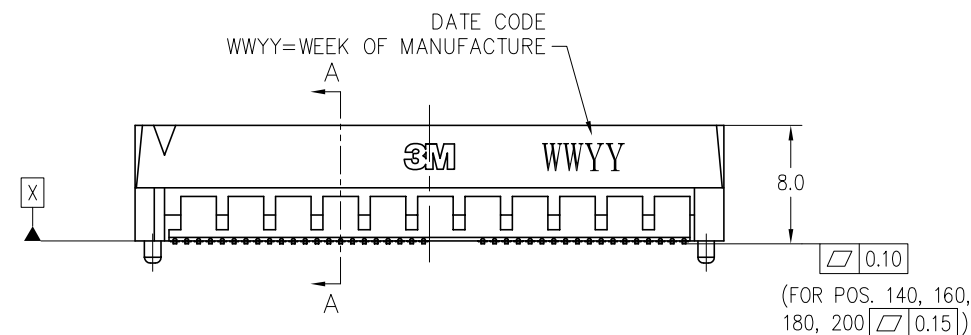
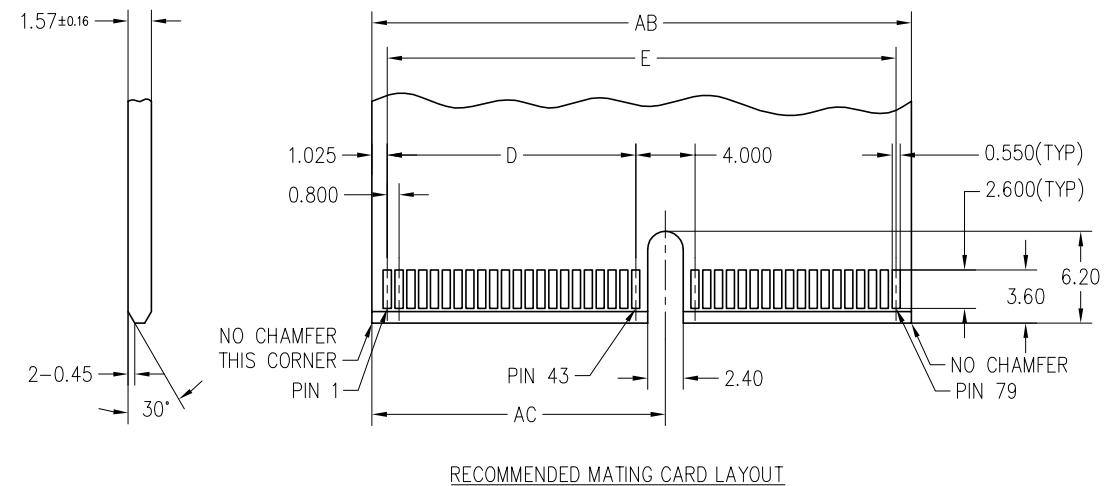
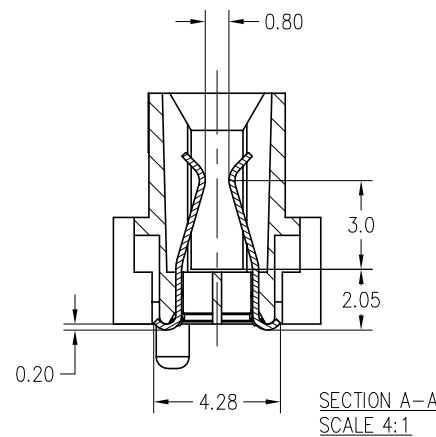
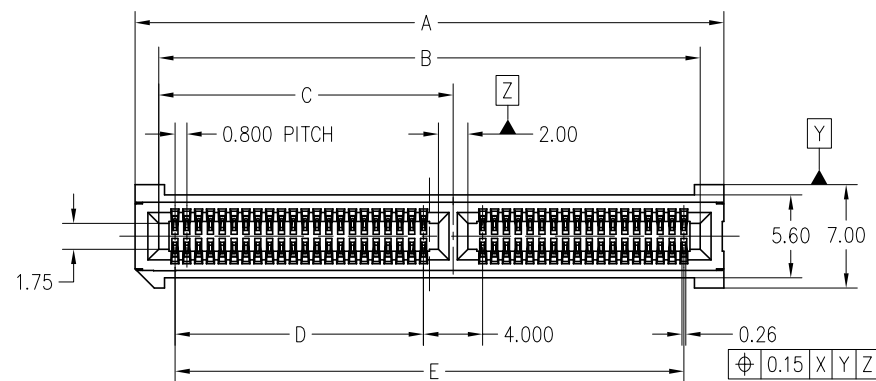
| POS. | DIMENSIONS |       |        |       |       |
|------|------------|-------|--------|-------|-------|
|      | A          | B     | C      | D     | AB    |
| 20*  | 12.60      | 9.40  | 7.200  | 10.20 | 9.25  |
| 40   | 20.60      | 17.40 | 15.200 | 18.20 | 17.25 |
| 60   | 28.60      | 25.40 | 23.200 | 26.20 | 25.25 |

\* TOOLED SIZE

|                                                                                       |  |                        |  |  |  |                                                                                                                                                                                                                                                                |          |                            |          |      |      |                            |                                                          |            |
|---------------------------------------------------------------------------------------|--|------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|----------|------|------|----------------------------|----------------------------------------------------------|------------|
| 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 |                            |                                                          |            |
| DIVISION ESD                                                                          |  | DIVISION CODE          |  |  |  | <div>3M</div> <div>3M Center<br/>St. Paul,<br/>MN 55144</div> <div>© 3M COPYRIGHT<br/>This document is the copyrighted property of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.</div> |          |                            |          |      |      |                            |                                                          |            |
| DO NOT SCALE DRAWING                                                                  |  | SCALE 2:1              |  |  |  |                                                                                                                                                                                                                                                                |          |                            |          |      |      | TOLERANCES EXCEPT AS NOTED |                                                          |            |
|  |  | THIRD ANGLE PROJECTION |  |  |  | TITLE<br><br>SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT                                                                                                                                                                                             |          |                            |          |      |      |                            |                                                          |            |
|                                                                                       |  |                        |  |  |  |                                                                                                                                                                                                                                                                |          |                            |          |      |      |                            |                                                          |            |
| INTERPRET PER ASME Y14.5 – 1994                                                       |  | INCHES                 |  |  |  | CAGE NUMBER                                                                                                                                                                                                                                                    |          |                            |          |      |      | SIZE                       | DRAWING NO.                                              | REV.       |
| MAX SURFACE ROUGHNESS                                                                 |  | MILLIMETERS            |  |  |  |                                                                                                                                                                                                                                                                |          |                            |          |      |      |                            |                                                          |            |
| <input type="checkbox"/> ALL SURFACES                                                 |  | 0 ± 0.50               |  |  |  | 78-5100-2420-7                                                                                                                                                                                                                                                 |          |                            |          |      |      | A                          |                                                          |            |
| <input checked="" type="checkbox"/> MARKED ONLY                                       |  | .0 ± 0.20              |  |  |  |                                                                                                                                                                                                                                                                |          |                            |          |      |      |                            |                                                          |            |
|                                                                                       |  | .00 ± 0.10             |  |  |  | MODEL                                                                                                                                                                                                                                                          |          |                            |          |      |      | DET. LISTS                 | <input type="checkbox"/> YES <input type="checkbox"/> NO | SHT 1 OF 4 |
|                                                                                       |  | .000 ± 0.05            |  |  |  |                                                                                                                                                                                                                                                                |          |                            |          |      |      |                            |                                                          |            |
|                                                                                       |  | ANGLES ± 3°            |  |  |  |                                                                                                                                                                                                                                                                |          |                            |          |      |      |                            |                                                          |            |

3M™ High-Speed Card-Edge CONNECTOR, SPD08

FIG. 2  
FOR POSITIONS 064, 080, 100, 120,  
140, 160, 180, 200, W/O LATCH OPTION  
(SHOWN: SPD08-080-RB)



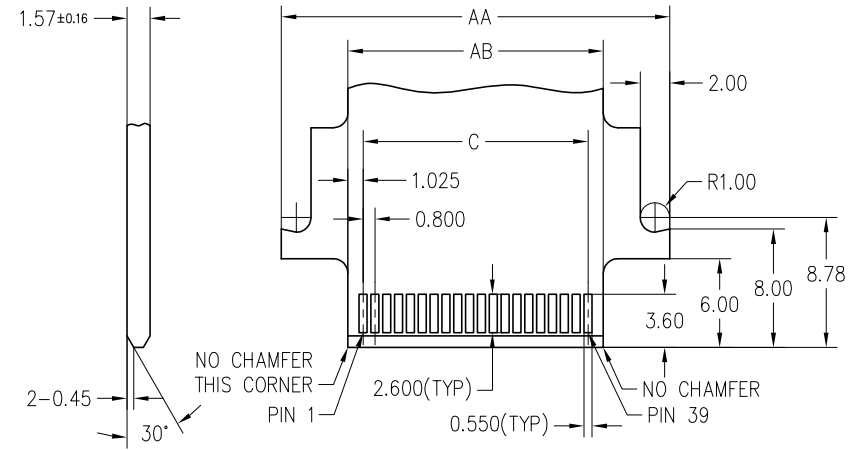
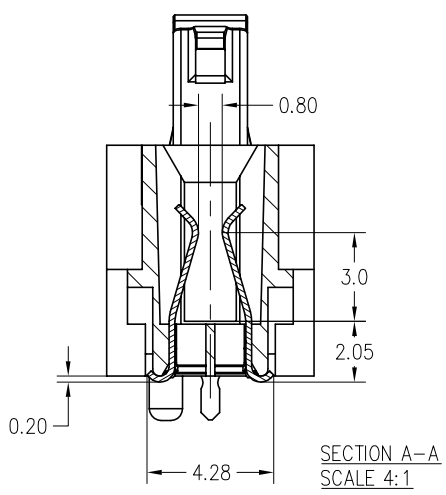
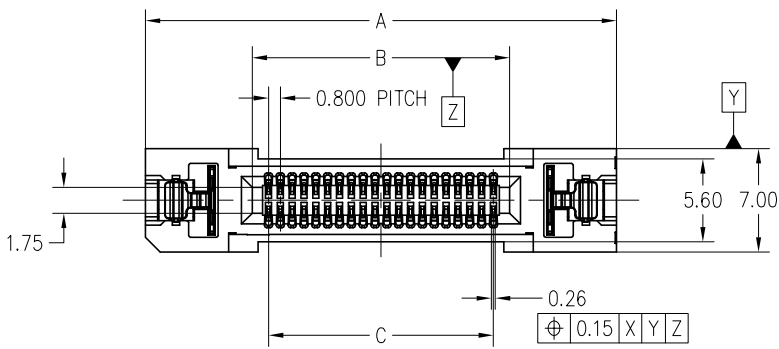
| POS. | DIMENSIONS |       |       |        |        |       |       |        |
|------|------------|-------|-------|--------|--------|-------|-------|--------|
|      | A          | B     | C     | D      | E      | F     | AB    | AC     |
| 64   | 33.40      | 30.20 | 16.70 | 13.600 | 28.000 | 31.00 | 30.05 | 16.625 |
| 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 |

\* TOOLED SIZE

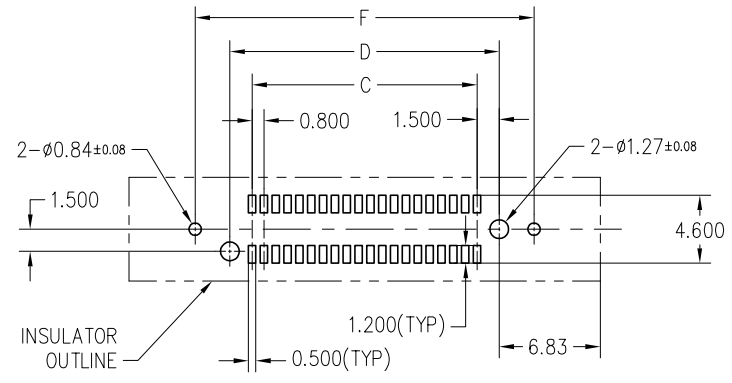
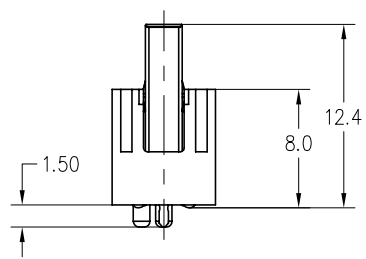
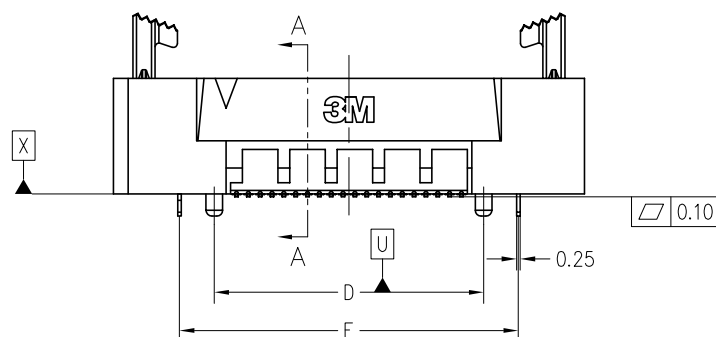
|                                                          |                                                                   |                                                                                                                                                                                                                                               |          |                            |            |            |
|----------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|------------|------------|
| 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       |
| DIVISION ESD                                             | DIVISION CODE                                                     | <b>3M</b> 3M Center<br>St. Paul,<br>MN 55144<br>© 3M COPYRIGHT<br>This document is the copyrighted property<br>of the 3M Company and may not be reproduced<br>without 3M written permission or used for<br>other than 3M authorized purposes. |          |                            |            |            |
| DO NOT SCALE DRAWING                                     | SCALE 2:1                                                         |                                                                                                                                                                                                                                               |          |                            |            |            |
| THIRD ANGLE PROJECTION                                   | TOLERANCES EXCEPT AS NOTED                                        | TITLE<br>SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT                                                                                                                                                                                |          |                            |            |            |
| INTERPRET PER ASME Y14.5 - 1994                          | INCHES<br>.0 ±<br>.00 ±<br>.000 ±<br>.0000 ±                      |                                                                                                                                                                                                                                               |          |                            |            |            |
| MAX SURFACE ROUGHNESS<br>□ ALL SURFACES<br>✓ MARKED ONLY | MILLIMETERS<br>0 ± 0.50<br>.0 ± 0.20<br>.00 ± 0.10<br>.000 ± 0.05 | CAGE NUMBER                                                                                                                                                                                                                                   | SIZE C   | DRAWING NO.                | REV.       |            |
|                                                          | ANGLES ± 3°                                                       | MODEL                                                                                                                                                                                                                                         |          | 78-5100-2420-7             | A          |            |
|                                                          |                                                                   |                                                                                                                                                                                                                                               |          | DET. LISTS                 | □ YES □ NO | SHT 2 OF 4 |

3M™ High-Speed Card-Edge CONNECTOR, SPD08

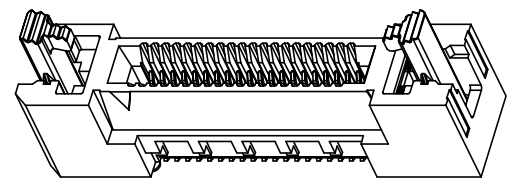
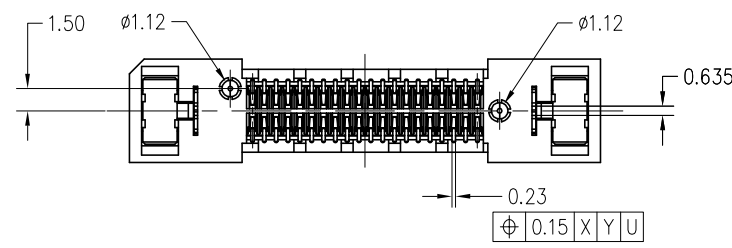
FIG. 3  
FOR POSITIONS 020, 040, 060,  
WITH LATCH OPTION  
(SHOWN: SPD08-040-L-RB)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT



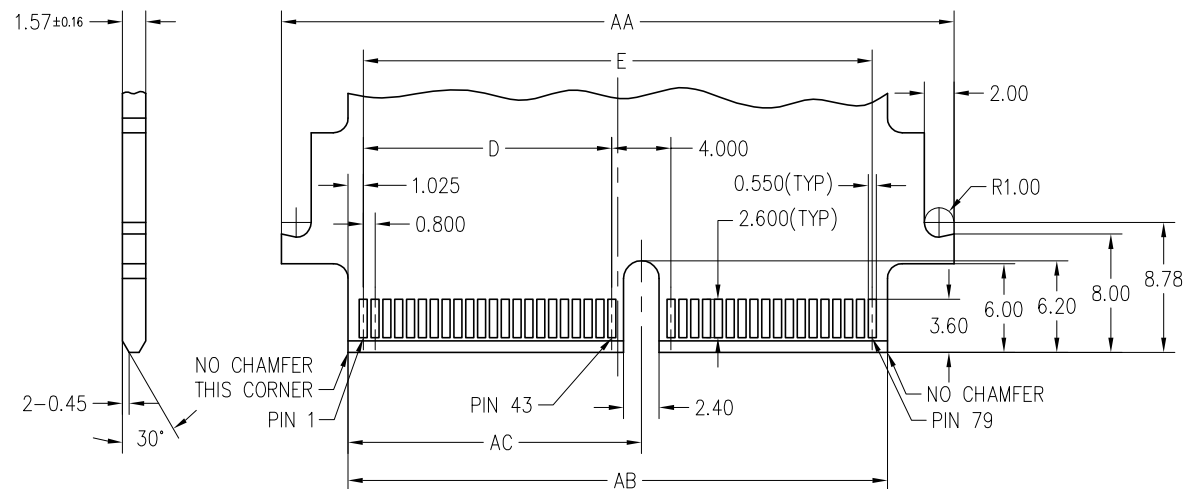
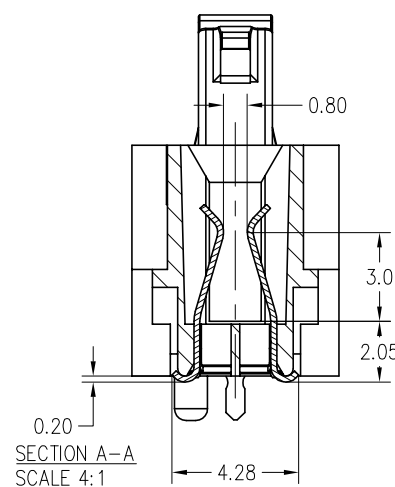
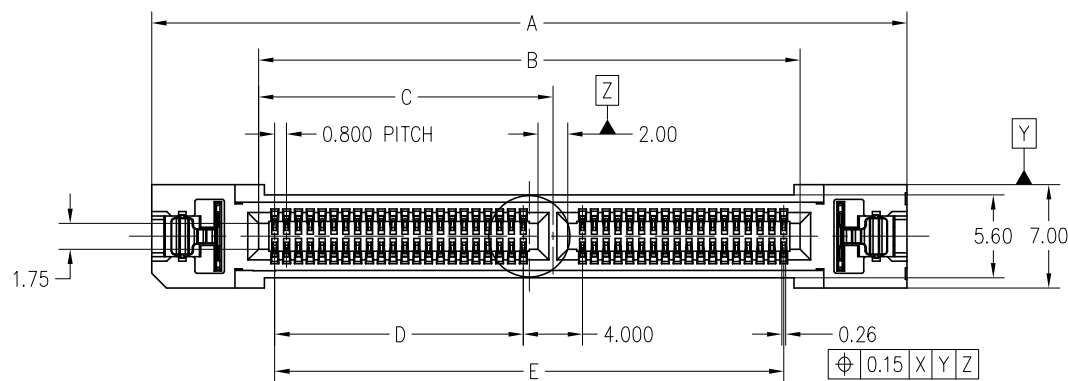
| POS. | DIMENSIONS |       |        |       |       |       |       |
|------|------------|-------|--------|-------|-------|-------|-------|
|      | A          | B     | C      | D     | E     | AA    | AB    |
| 20   | 23.85      | 9.40  | 7.200  | 10.20 | 12.90 | 18.25 | 9.25  |
| 40   | 31.85      | 17.40 | 15.200 | 18.20 | 20.90 | 26.25 | 17.25 |
| 60   | 39.85      | 25.40 | 23.200 | 26.20 | 28.90 | 34.25 | 25.25 |

\* TOOLED SIZE

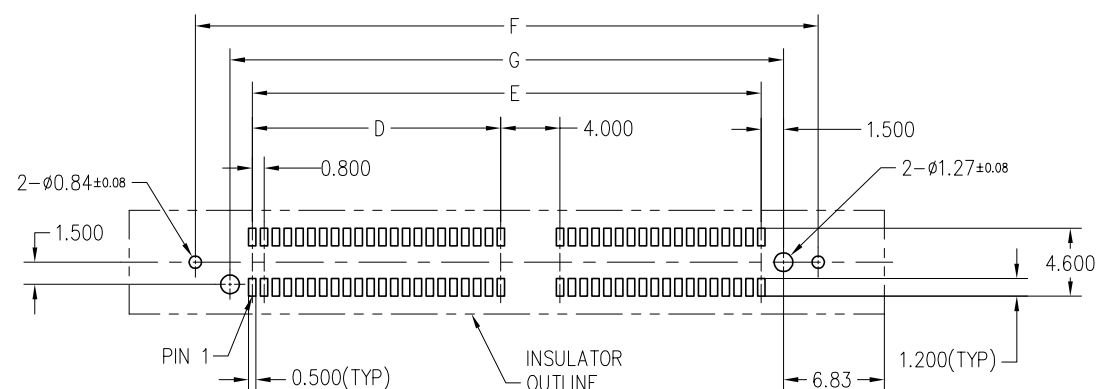
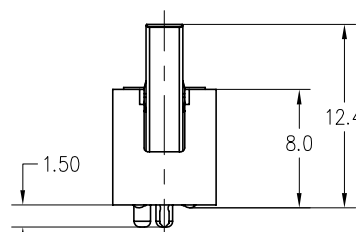
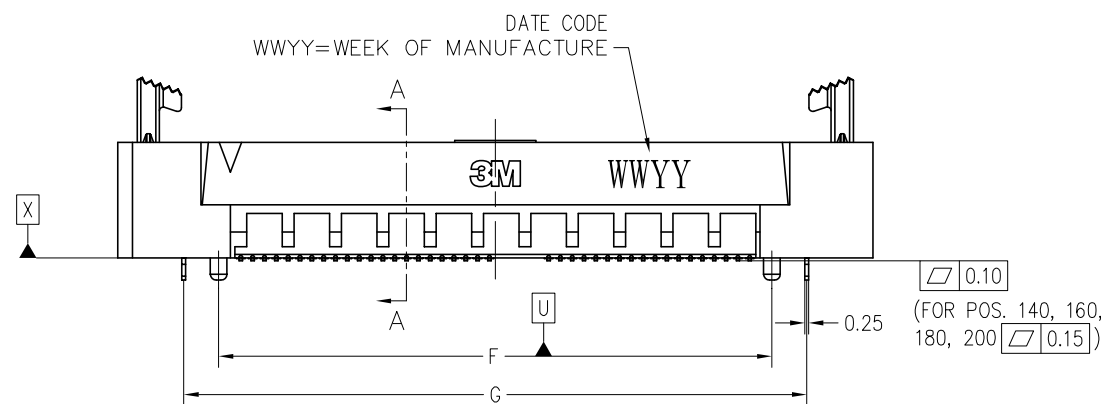
|                                 |               |                            |          |                                                                                                                                                                    |          |                       |      |
|---------------------------------|---------------|----------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------|------|
| 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 |
| DIVISION                        | ESD           | DIVISION CODE              |          | © 3M COPYRIGHT                                                                                                                                                     |          |                       |      |
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| THIRD ANGLE PROJECTION          |               | INCHES                     |          | TITLE                                                                                                                                                              |          |                       |      |
| INTERPRET PER ASME Y14.5 - 1994 |               | .0 ±                       |          | SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT                                                                                                              |          |                       |      |
| MAX SURFACE ROUGHNESS           |               | .00 ±                      |          |                                                                                                                                                                    |          |                       |      |
| ☐ ALL SURFACES                  |               | .000 ±                     |          |                                                                                                                                                                    |          |                       |      |
| ☐ MARKED ONLY                   |               | .0000 ±                    |          |                                                                                                                                                                    |          |                       |      |
| ANGLES ± 3°                     |               | MILLIMETERS                |          | CAGE NUMBER                                                                                                                                                        |          |                       |      |
|                                 |               | 0 ± 0.50                   |          | SIZE                                                                                                                                                               |          | DRAWING NO.           |      |
|                                 |               | .0 ± 0.20                  |          | C                                                                                                                                                                  |          | 78-5100-2420-7        |      |
|                                 |               | .00 ± 0.10                 |          | MODEL                                                                                                                                                              |          | REV. A                |      |
|                                 |               | .000 ± 0.05                |          |                                                                                                                                                                    |          | DET. LISTS ☐ YES ☐ NO |      |
|                                 |               |                            |          |                                                                                                                                                                    |          | SHT 3 OF 4            |      |

# 3M™ High-Speed Card-Edge CONNECTOR, SPD08

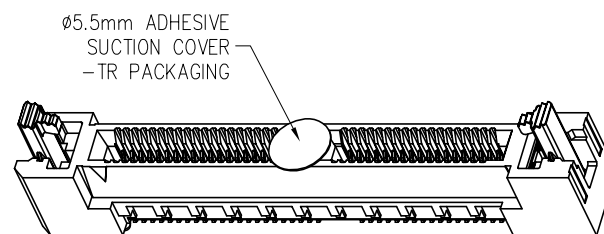
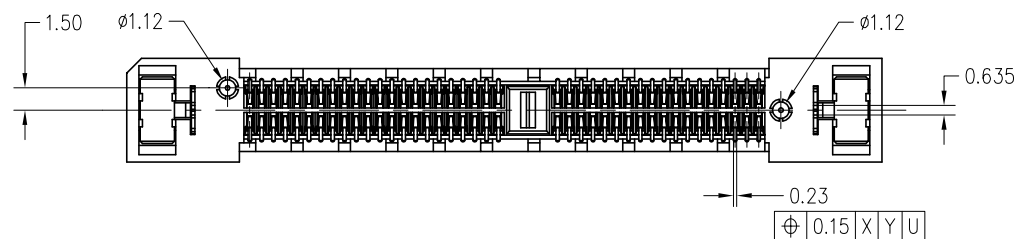
FIG. 4  
FOR POSITIONS 064, 080, 100, 120,  
140, 160, 180, 200, WITH LATCH OPTION  
(SHOWN: SPD08-080-L-RB-TR)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT



| POS. | DIMENSIONS |       |       |        |        |       |       |       |       |        |
|------|------------|-------|-------|--------|--------|-------|-------|-------|-------|--------|
|      | A          | B     | C     | D      | E      | F     | G     | AA    | AB    | AC     |
| 64   | 44.65      | 30.20 | 16.70 | 13.600 | 28.000 | 31.00 | 35.70 | 39.05 | 30.05 | 16.625 |
| 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 |

\* TOOLED SIZE

|                                                                                          |  |                                                    |  |                                                                                                                                                                                              |          |                            |          |      |      |
|------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|----------|------|------|
| 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                                                                   |  | TOLERANCES EXCEPT AS NOTED                         |  | <p>SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT</p>                                                                                                                                 |          |                            |          |      |      |
| INTERPRET PER ASME Y14.5 - 1994                                                          |  | INCHES                                             |  |                                                                                                                                                                                              |          |                            |          |      |      |
| MAX SURFACE ROUGHNESS                                                                    |  | MILLIMETERS                                        |  | <p>CAGE NUMBER <b>C</b> SIZE <b>C</b> DRAWING NO. 78-5100-2420-7 REV. A</p>                                                                                                                  |          |                            |          |      |      |
| <input type="checkbox"/> ALL SURFACES<br><input checked="" type="checkbox"/> MARKED ONLY |  | 0 ± 0.50<br>.0 ± 0.20<br>.00 ± 0.10<br>.000 ± 0.05 |  |                                                                                                                                                                                              |          |                            |          |      |      |
|                                                                                          |  | ANGLES ± 3°                                        |  | <p>MODEL DET. LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO SHT 4 OF 4</p>                                                                                                  |          |                            |          |      |      |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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