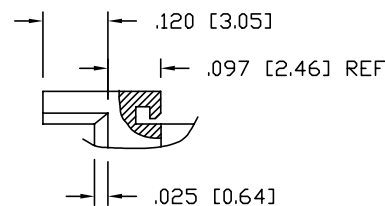
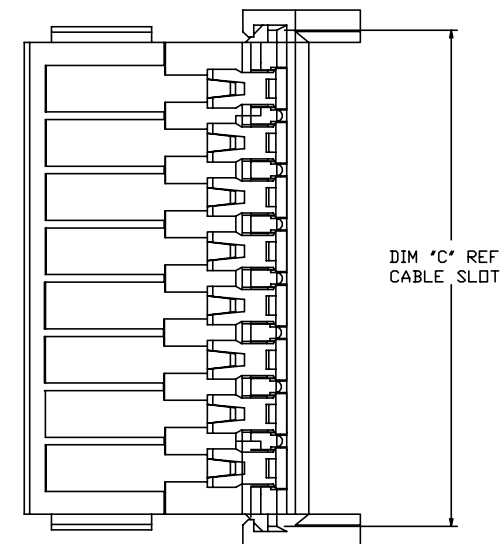
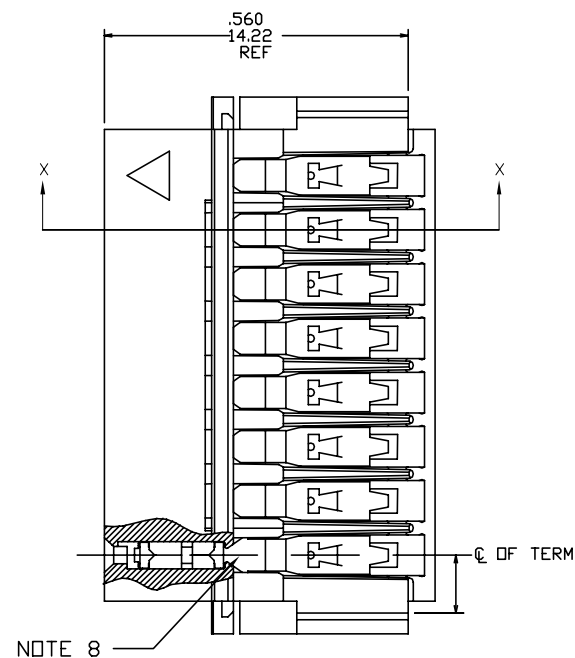
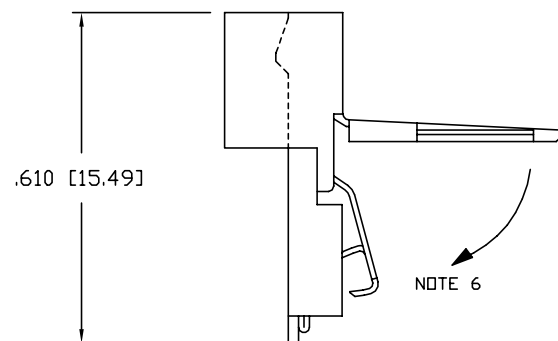
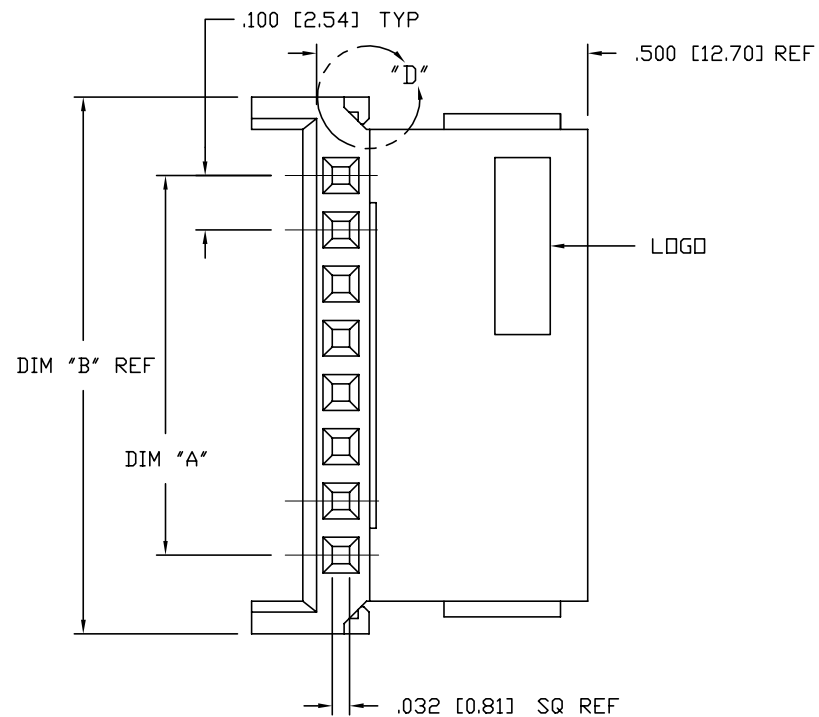


PRODUCT NUMBER  
SEE TABLE



DETAIL "D"

|             |              |            |                     |                                       |                                        |   |
|-------------|--------------|------------|---------------------|---------------------------------------|----------------------------------------|---|
| mat'l. code |              | surface    | tolerance           | projection                            | product family                         |   |
|             |              | ISO 1302 ✓ | ISO 406<br>ISO 1101 |                                       | CLINCHER                               |   |
| ltr         | ecr          | nodr       | date                | tolerances unless otherwise specified | title                                  |   |
| M           | ELX-N-010494 | ZK         | 06/03/12            | angles                                | CLINCHER™ RECEPTACLE ASSEMBLY-LATCHING |   |
| G           | V50244       | HTB        | 2/14/95             | linea                                 | dwg no                                 |   |
| H           | V51638       | HTB        | 12/29/95            | 0°±2°                                 | sheet 1 of 6                           |   |
| J           | M05-0087     | MHT        | 6/17/05             | enr                                   | size                                   |   |
| K           | M06-0233     | AGS        | 06/12/06            | chr                                   | A3                                     |   |
| L           | M07-0170     | MHT        | 3/30/07             | app                                   | type Product Customer Drawing          |   |
| sheet       | revision     | M          | M                   | M                                     | M                                      | M |
| index       | sheet        | 1          | 2                   | 3                                     | 4                                      | 5 |

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## PLATING AVAILABLE

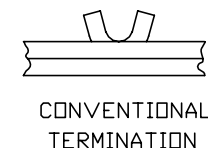
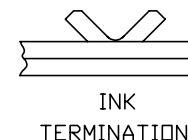
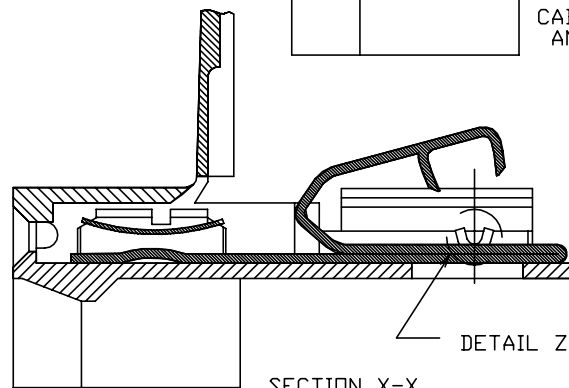
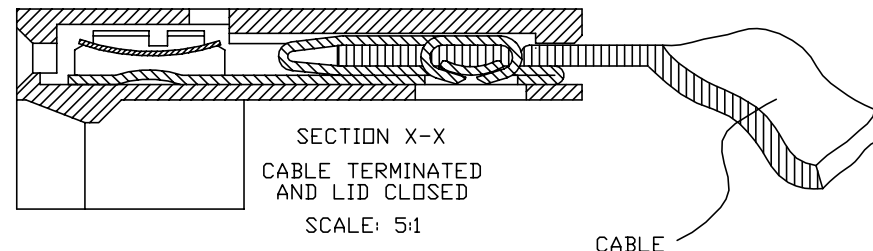
| PLATING CODE | TERMINAL                                              | SPRING                                         |
|--------------|-------------------------------------------------------|------------------------------------------------|
| 1            | 100u"/2.54u MIN. THICK PURE TIN                       | 10u"/.25u MIN. THICK PURE TIN                  |
| 2            | 30u"/.76u MIN. GOLD OR GXT STRIPE IN BOX AREA NOTE 12 | 3u"/.08u MIN. GOLD OVER 50u"/1.27u MIN. NICKEL |

PRODUCT NUMBER

67516-XXXLF

LEAD FREE OPTION  
NOTE 9,10NO OF POSITIONS  
AND PLATING

BASE PART NUMBER

DETAIL Z  
SCALE 5:1

## NOTES:

1. HOUSING MATERIAL: THERMOPLASTIC, FLAME RETARDANT PER UL 94V-0. COLOR: BLUE.
2. TERMINAL MATERIAL: 1/2 HARD Cu NI ALLOY, UNS-C72500.
3. TERMINAL PLATING: SEE TABLE.
4. SEE TA-372 FOR CRIMP HEIGHT.
5. FOR CABLE & CIRCUITRY INFORMATION SEE TA-264 AND TA-371.
6. LATCH SNAPS CLOSED AFTER TERMINATION MAINTAINING A MAX OVER ALL HEIGHT OF .100/2.54.
7. NO CENTER HINGE 2 THRU 8 POSITIONS. SINGLE CENTER HINGE 9 THRU 15 POSITIONS. TWO CENTER HINGES FOR 16 POSITION PARTS.
8. KNURL MARK INDICATES FOR USE WITH INK TERMINATION. CONSULT WITH BERG ELECTRONICS TECHNICAL REPRESENTATIVE FOR SPECIFIC APPLICATIONS.
9. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
11. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS
12. PLATING OPTION MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

|                   |                                       |                                  |                       |                                                    |
|-------------------|---------------------------------------|----------------------------------|-----------------------|----------------------------------------------------|
| mat'l. code       | surface<br>ISO 1302 ✓                 | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>CLINCHER                         |
| ltr ecn nodr date | tolerances unless otherwise specified | angles<br>linea<br>0°±2°         | scale 3:1             | title<br>CLINCHER™ RECEPTACLE<br>ASSEMBLY-LATCHING |
| M                 |                                       | dr M. FETROW 9/15/94             |                       | dwg no sheet 2 of 6 size                           |
|                   |                                       | enr T. HANNA 9/15/94             |                       | 67516 A3                                           |
|                   |                                       | chr T. BREWBAKER 9/15/94         |                       | type Product Customer Drawing                      |
|                   |                                       | app T. HANNA 9/15/94             |                       |                                                    |
| sheet index       | revision sheet                        |                                  |                       |                                                    |

| PRODUCT NUMBER | NO. OF | DIM. A  | DIM. A  | DIM. B  | DIM. B | DIM. C  | DIM. C | PLATING | TERMINATION  |
|----------------|--------|---------|---------|---------|--------|---------|--------|---------|--------------|
| NOTE 9         | POS.   | ENGLISH | METRIC  | ENGLISH | METRIC | ENGLISH | METRIC | CODE    | NOTE 8       |
| 67516-001      |        | U N A   | S S I G | N E D   |        |         |        |         |              |
| 67516-002      | 2      | 0.100   | 2.54    | 0.390   | 9.91   | 0.315   | 8.00   | 1       | CONVENTIONAL |
| 67516-003      | 3      | 0.200   | 5.08    | 0.490   | 12.45  | 0.415   | 10.54  | 1       | CONVENTIONAL |
| 67516-004      | 4      | 0.300   | 7.62    | 0.590   | 14.99  | 0.515   | 13.08  | 1       | CONVENTIONAL |
| 67516-005      | 5      | 0.400   | 10.16   | 0.690   | 17.53  | 0.615   | 15.62  | 1       | CONVENTIONAL |
| 67516-006      | 6      | 0.500   | 12.70   | 0.790   | 20.07  | 0.715   | 18.16  | 1       | CONVENTIONAL |
| 67516-007      | 7      | 0.600   | 15.24   | 0.890   | 22.61  | 0.815   | 20.70  | 1       | CONVENTIONAL |
| 67516-008      | 8      | 0.700   | 17.78   | 0.990   | 25.15  | 0.915   | 23.24  | 1       | CONVENTIONAL |
| 67516-009      | 9      | 0.800   | 20.32   | 1.090   | 27.69  | 1.015   | 25.78  | 1       | CONVENTIONAL |
| 67516-010      | 10     | 0.900   | 22.86   | 1.190   | 30.23  | 1.115   | 28.32  | 1       | CONVENTIONAL |
| 67516-011      | 11     | 1.000   | 25.40   | 1.290   | 32.77  | 1.215   | 30.86  | 1       | CONVENTIONAL |
| 67516-012      | 12     | 1.100   | 27.94   | 1.390   | 35.31  | 1.315   | 33.40  | 1       | CONVENTIONAL |
| 67516-013      | 13     | 1.200   | 30.48   | 1.490   | 37.85  | 1.415   | 35.94  | 1       | CONVENTIONAL |
| 67516-014      | 14     | 1.300   | 33.02   | 1.590   | 40.39  | 1.515   | 38.48  | 1       | CONVENTIONAL |
| 67516-015      | 15     | 1.400   | 35.56   | 1.690   | 42.93  | 1.615   | 41.02  | 1       | CONVENTIONAL |
| 67516-016      | 16     | 1.500   | 38.10   | 1.790   | 45.47  | 1.715   | 43.56  | 1       | CONVENTIONAL |

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| PRODUCT NUMBER | NO. OF | DIM. A  | DIM. A  | DIM. B  | DIM. B | DIM. C  | DIM. C | PLATING | TERMINATION  |
|----------------|--------|---------|---------|---------|--------|---------|--------|---------|--------------|
| NOTE 9         | POS.   | ENGLISH | METRIC  | ENGLISH | METRIC | ENGLISH | METRIC | CODE    | NOTE 8       |
| 67516-201      |        | U N A   | S S I G | N E D   |        |         |        |         |              |
| 67516-202      | 2      | 0.100   | 2.54    | 0.390   | 9.91   | 0.315   | 8.00   | 2       | CONVENTIONAL |
| 67516-203      | 3      | 0.200   | 5.08    | 0.490   | 12.45  | 0.415   | 10.54  | 2       | CONVENTIONAL |
| 67516-204      | 4      | 0.300   | 7.62    | 0.590   | 14.99  | 0.515   | 13.08  | 2       | CONVENTIONAL |
| 67516-205      | 5      | 0.400   | 10.16   | 0.690   | 17.53  | 0.615   | 15.62  | 2       | CONVENTIONAL |
| 67516-206      | 6      | 0.500   | 12.70   | 0.790   | 20.07  | 0.715   | 18.16  | 2       | CONVENTIONAL |
| 67516-207      | 7      | 0.600   | 15.24   | 0.890   | 22.61  | 0.815   | 20.70  | 2       | CONVENTIONAL |
| 67516-208      | 8      | 0.700   | 17.78   | 0.990   | 25.15  | 0.915   | 23.24  | 2       | CONVENTIONAL |
| 67516-209      | 9      | 0.800   | 20.32   | 1.090   | 27.69  | 1.015   | 25.78  | 2       | CONVENTIONAL |
| 67516-210      | 10     | 0.900   | 22.86   | 1.190   | 30.23  | 1.115   | 28.32  | 2       | CONVENTIONAL |
| 67516-211      | 11     | 1.000   | 25.40   | 1.290   | 32.77  | 1.215   | 30.86  | 2       | CONVENTIONAL |
| 67516-212      | 12     | 1.100   | 27.94   | 1.390   | 35.31  | 1.315   | 33.40  | 2       | CONVENTIONAL |
| 67516-213      | 13     | 1.200   | 30.48   | 1.490   | 37.85  | 1.415   | 35.94  | 2       | CONVENTIONAL |
| 67516-214      | 14     | 1.300   | 33.02   | 1.590   | 40.39  | 1.515   | 38.48  | 2       | CONVENTIONAL |
| 67516-215      | 15     | 1.400   | 35.56   | 1.690   | 42.93  | 1.615   | 41.02  | 2       | CONVENTIONAL |
| 67516-216      | 16     | 1.500   | 38.10   | 1.790   | 45.47  | 1.715   | 43.56  | 2       | CONVENTIONAL |

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|                   |  |                                       |  |                                  |  |                                                                                                     |  |                                        |  |
|-------------------|--|---------------------------------------|--|----------------------------------|--|-----------------------------------------------------------------------------------------------------|--|----------------------------------------|--|
| mat'l. code       |  | surface<br>ISO 1302 ✓                 |  | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |  | product family<br>CLINCHER             |  |
| ltr ecn nodr date |  | tolerances unless otherwise specified |  |                                  |  |                                                                                                     |  | title                                  |  |
| M                 |  | angles                                |  | linea                            |  | INCH/MM                                                                                             |  | CLINCHER™ RECEPTACLE ASSEMBLY-LATCHING |  |
|                   |  | 0°±2°                                 |  |                                  |  | scale 3:1                                                                                           |  | dwg no sheet 4 of 6 size               |  |
|                   |  | dr                                    |  | M. FETROW                        |  | 9/15/94                                                                                             |  | 67516 A3                               |  |
|                   |  | engr                                  |  | T. HANNA                         |  | 9/15/94                                                                                             |  |                                        |  |
|                   |  | chr                                   |  | T.BREWBAKER                      |  | 9/15/94                                                                                             |  |                                        |  |
|                   |  | appd                                  |  | T.HANNA                          |  | 9/15/94                                                                                             |  | type Product Customer Drawing          |  |
| sheet index       |  | revision sheet                        |  |                                  |  |                                                                                                     |  |                                        |  |

Form: A3

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PDS: Rev :M

STATUS: Released

Printed: Mar 07, 2012

| PRODUCT NUMBER | NO. OF | DIM. A  | DIM. A  | DIM. B  | DIM. B | DIM. C  | DIM. C | PLATING | TERMINATION |
|----------------|--------|---------|---------|---------|--------|---------|--------|---------|-------------|
| NOTE 9         | POS.   | ENGLISH | METRIC  | ENGLISH | METRIC | ENGLISH | METRIC | CODE    | NOTE 8      |
| 67516-501      |        | U N A   | S S I G | N E D   |        |         |        |         |             |
| 67516-502      | 2      | 0.100   | 2.54    | 0.390   | 9.91   | 0.315   | 8.00   | 1       | INK         |
| 67516-503      | 3      | 0.200   | 5.08    | 0.490   | 12.45  | 0.415   | 10.54  | 1       | INK         |
| 67516-504      | 4      | 0.300   | 7.62    | 0.590   | 14.99  | 0.515   | 13.08  | 1       | INK         |
| 67516-505      | 5      | 0.400   | 10.16   | 0.690   | 17.53  | 0.615   | 15.62  | 1       | INK         |
| 67516-506      | 6      | 0.500   | 12.70   | 0.790   | 20.07  | 0.715   | 18.16  | 1       | INK         |
| 67516-507      | 7      | 0.600   | 15.24   | 0.890   | 22.61  | 0.815   | 20.70  | 1       | INK         |
| 67516-508      | 8      | 0.700   | 17.78   | 0.990   | 25.15  | 0.915   | 23.24  | 1       | INK         |
| 67516-509      | 9      | 0.800   | 20.32   | 1.090   | 27.69  | 1.015   | 25.78  | 1       | INK         |
| 67516-510      | 10     | 0.900   | 22.86   | 1.190   | 30.23  | 1.115   | 28.32  | 1       | INK         |
| 67516-511      | 11     | 1.000   | 25.40   | 1.290   | 32.77  | 1.215   | 30.86  | 1       | INK         |
| 67516-512      | 12     | 1.100   | 27.94   | 1.390   | 35.31  | 1.315   | 33.40  | 1       | INK         |
| 67516-513      | 13     | 1.200   | 30.48   | 1.490   | 37.85  | 1.415   | 35.94  | 1       | INK         |
| 67516-514      | 14     | 1.300   | 33.02   | 1.590   | 40.39  | 1.515   | 38.48  | 1       | INK         |
| 67516-515      | 15     | 1.400   | 35.56   | 1.690   | 42.93  | 1.615   | 41.02  | 1       | INK         |
| 67516-516      | 16     | 1.500   | 38.10   | 1.790   | 45.47  | 1.715   | 43.56  | 1       | INK         |



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|             |     |            |      |                     |                                       |              |                                                                               |                               |  |
|-------------|-----|------------|------|---------------------|---------------------------------------|--------------|-------------------------------------------------------------------------------|-------------------------------|--|
| mat'l. code |     | surface    |      | tolerance           |                                       | projection   |                                                                               | product family                |  |
|             |     | ISO 1302 ✓ |      | ISO 406<br>ISO 1101 |                                       |              |                                                                               | CLINCHER                      |  |
| ltr         | ecn | nodr       | date |                     | tolerances unless otherwise specified |              | title                                                                         |                               |  |
| M           |     |            |      |                     | angles                                | linear       | $0.01/0.03 \pm 0.3$<br>$0.005/0.004 \pm 0.13$<br>$0.0004/0.0001/0.0001/0.051$ | <br>INCH/MM<br>scale 1:3      |  |
|             |     |            |      |                     | 0° ± 2°                               |              | CLINCHER™ RECEPTACLE<br>ASSEMBLY—LATCHING                                     |                               |  |
|             |     |            |      |                     | dr                                    | M. FETROW    | 9/15/94                                                                       | dwg no                        |  |
|             |     |            |      |                     | engr                                  | T. HANNA     | 9/15/94                                                                       | sheet 5 of 6                  |  |
|             |     |            |      |                     | chr                                   | T. BREWBAKER | 9/15/94                                                                       | 67516                         |  |
|             |     |            |      |                     | appd                                  | T. HANNA     | 9/15/94                                                                       | A3                            |  |
| sheet       |     | revision   |      |                     |                                       |              |                                                                               | type Product Customer Drawing |  |
| index       |     | sheet      |      |                     |                                       |              |                                                                               |                               |  |

