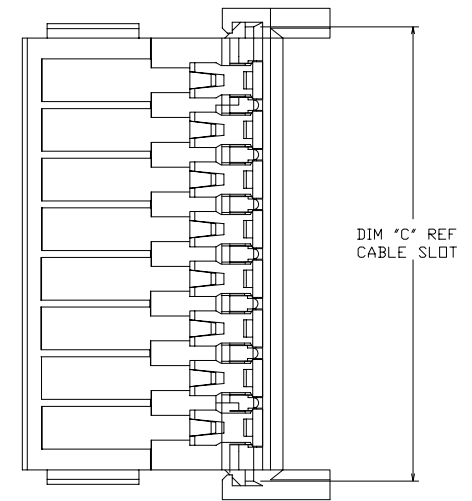
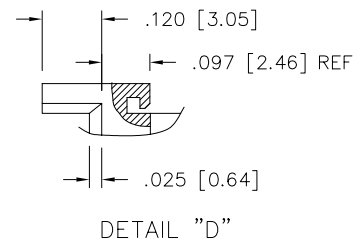
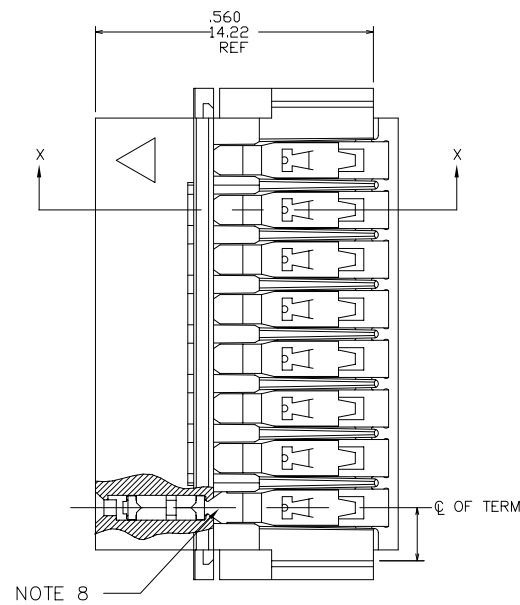
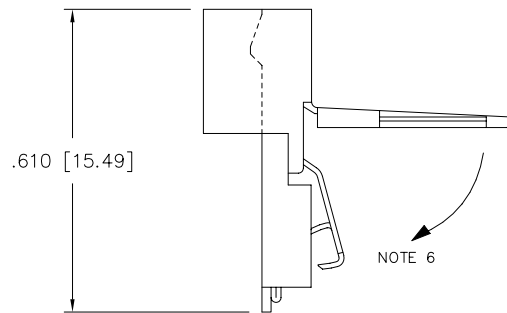
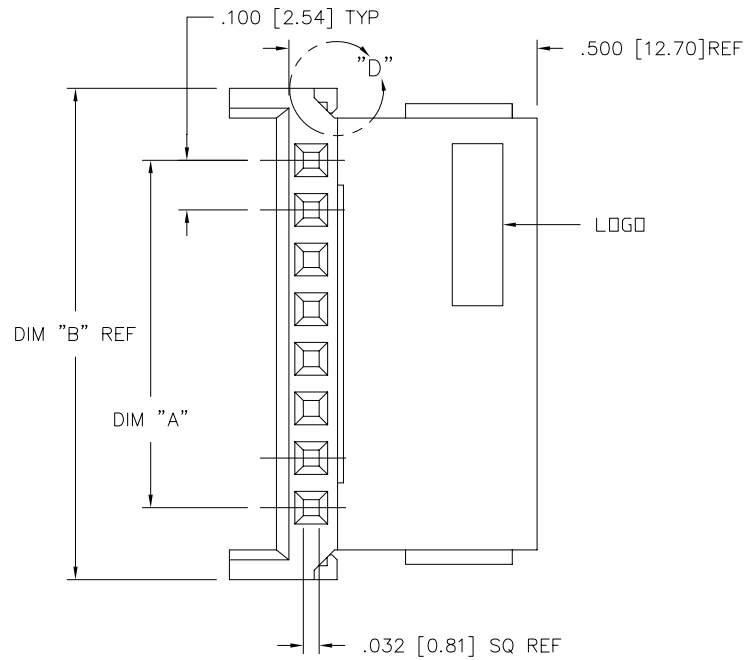




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PRODUCT NUMBER  
SEE TABLE



|             |          |     |    |                       |                                       |                                  |                       |                                                    |  |  |  |
|-------------|----------|-----|----|-----------------------|---------------------------------------|----------------------------------|-----------------------|----------------------------------------------------|--|--|--|
| mat'l. code |          |     |    | surface<br>ISO 1302 ✓ |                                       | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>CLINCHER                         |  |  |  |
| ltr         | ecn      | no  | dr | date                  | tolerances unless otherwise specified |                                  | scale 1:3<br>FCI      | title<br>CLINCHER™ RECEPTACLE<br>ASSEMBLY-LATCHING |  |  |  |
| E           | V50168   | HTB |    | 1/20/95               | angles                                | linear .XX±.01/.3                |                       | sheet 1 of 6 size                                  |  |  |  |
| F           | V50221   | HTB |    | 2/7/95                |                                       | .xxx±.005/.13                    |                       | 67516                                              |  |  |  |
| G           | V50244   | HTB |    | 2/14/95               | 0'±2'                                 | .xxxx±.0020/.051                 |                       | A3                                                 |  |  |  |
| H           | V51638   | HTB |    | 12/29/95              | dr                                    | M. FETROW                        | 9/15/94               | type Product Customer Drawing                      |  |  |  |
| J           | M05-0087 | MHT |    | 6/17/05               | enrg                                  | T. HANNA                         | 9/15/94               |                                                    |  |  |  |
| K           | M06-0233 | AGS |    | 06/12/06              | chr                                   | T.BREWBAKER                      | 9/15/94               |                                                    |  |  |  |
| L           | M07-0170 | MHT |    | 3/30/07               | appd                                  | T.HANNA                          | 9/15/94               |                                                    |  |  |  |
| sheet       | revision | L   | L  | L                     | L                                     | L                                | L                     |                                                    |  |  |  |
| index       | sheet    | 1   | 2  | 3                     | 4                                     | 5                                | 6                     |                                                    |  |  |  |

form: A3

| PRODUCT NUMBER | PLATING AVAILABLE |                                        |                                                |
|----------------|-------------------|----------------------------------------|------------------------------------------------|
| SEE TABLE      | PLATING CODE      | TERMINAL                               | SPRING                                         |
|                | 1                 | 100u"/2.54u MIN. THICK PURE TIN        | 10u"/.25u MIN. THICK PURE TIN                  |
|                | 2                 | 30u"/.76u MIN. GOLD STRIPE IN BOX AREA | 3u"/.08u MIN. GOLD OVER 50u"/1.27u MIN. NICKEL |

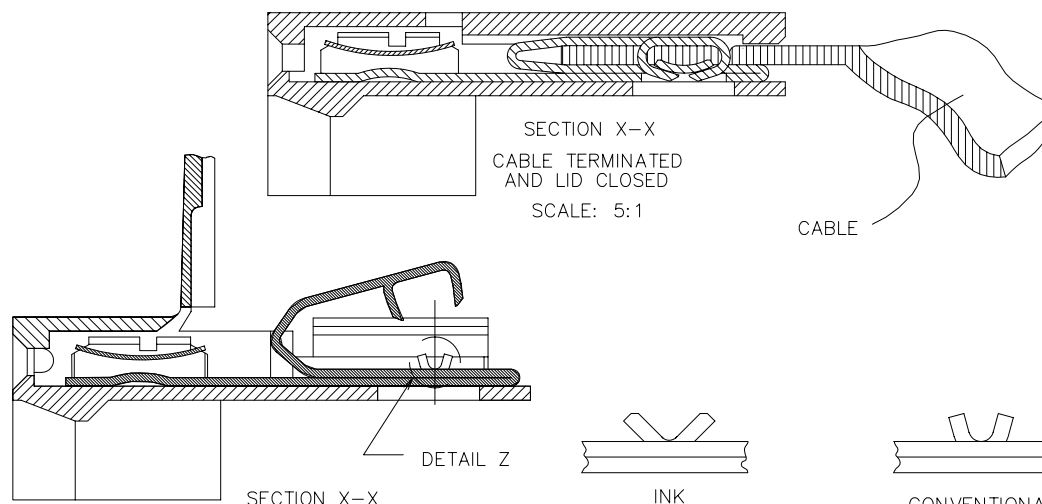
PRODUCT NUMBER

67516-XXXLF

LEAD FREE OPTION  
NOTE 9,10

NO OF POSITIONS  
AND PLATING

BASE PART NUMBER



# 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

|                |                   |    |    |                     |                                                                                                 |                       |                                           |
|----------------|-------------------|----|----|---------------------|-------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------|
| mat'l. code    |                   |    |    | surface<br>ISO 1302 | tolerance<br>ISO 406<br>ISO 1101                                                                | projection<br>INCH/MM | product family<br>CLINCHER                |
| ltr            | ecn               | no | dr | date                | tolerances unless otherwise specified                                                           |                       | title                                     |
| L              |                   |    |    |                     | angles<br>linear<br>0°±2'                                                                       | INCH/MM<br>scale 1:3  | CLINCHER™ RECEPTACLE<br>ASSEMBLY-LATCHING |
|                |                   |    |    |                     | .XX±.01/.3<br>.XXX±.005/.13<br>.XXXX±.0020/.051                                                 |                       | dwg no                                    |
|                |                   |    |    |                     | dr M. FETROW 9/15/94<br>enr T. HANNA 9/15/94<br>chr T.BREWBAKER 9/15/94<br>appd T.HANNA 9/15/94 |                       | sheet 2 of 6 size                         |
|                |                   |    |    |                     |                                                                                                 |                       | 67516 A3                                  |
|                |                   |    |    |                     |                                                                                                 |                       | type Product Customer Drawing             |
| sheet<br>index | revision<br>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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|                |                   |    |    |                     |                                                 |                          |                                           |
|----------------|-------------------|----|----|---------------------|-------------------------------------------------|--------------------------|-------------------------------------------|
| mat'l. code    |                   |    |    | surface<br>ISO 1302 | tolerance<br>ISO 406<br>ISO 1101                | projection<br>           | product family<br>CLINCHER                |
| ltr            | ecr               | no | dr | date                | tolerances unless otherwise specified           | INCH/MM<br>scale 1:3<br> | title                                     |
| L              |                   |    |    |                     | angles<br>linear<br>0'±2'                       |                          | CLINCHER™ RECEPTACLE<br>ASSEMBLY-LATCHING |
|                |                   |    |    |                     | .XX±.01/.3<br>.XXX±.005/.13<br>.XXXX±.0020/.051 |                          |                                           |
|                |                   |    |    | dr                  | M. FETROW                                       | 9/15/94                  | dwg no                                    |
|                |                   |    |    | enr                 | T. HANNA                                        | 9/15/94                  | sheet 3 of 6 size                         |
|                |                   |    |    | chr                 | T.BREWBAKER                                     | 9/15/94                  | 67516 A3                                  |
|                |                   |    |    | appd                | T.HANNA                                         | 9/15/94                  | type Product Customer Drawing             |
| sheet<br>index | revision<br>sheet |    |    |                     |                                                 |                          |                                           |

form: A3

| 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 <input checked="" type="checkbox"/> |             | tolerance<br>ISO 406<br>ISO 1101                |  | projection<br> |  | product family<br>CLINCHER                |       |             |  |                  |  |
| ltr         | ecn | no             | dr | date | tolerances unless otherwise specified                   |             |                                                 |  |                                                                                                     |  |                                           | title |             |  |                  |  |
| L           |     |                |    |      | angles                                                  | linear      | .XX±.01/.3<br>.xxx±.005/.13<br>.xxxx±.0020/.051 |  | INCH/MM                                                                                             |  | CLINCHER™ RECEPTACLE<br>ASSEMBLY—LATCHING |       |             |  |                  |  |
|             |     |                |    |      |                                                         |             | 0'±2'                                           |  | scale 1:3                                                                                           |  |                                           |       |             |  |                  |  |
|             |     |                |    |      | dr                                                      | M. FETROW   | 9/15/94                                         |  |                |  | dwg no                                    |       | sheet4 of 6 |  | size             |  |
|             |     |                |    |      | enr                                                     | T. HANNA    | 9/15/94                                         |  |                                                                                                     |  | 67516                                     |       |             |  | A3               |  |
|             |     |                |    |      | chr                                                     | T.BREWBAKER | 9/15/94                                         |  |                                                                                                     |  |                                           |       |             |  |                  |  |
|             |     |                |    |      | appd                                                    | T.HANNA     | 9/15/94                                         |  |                                                                                                     |  |                                           |       |             |  |                  |  |
| sheet index |     | revision sheet |    |      |                                                         |             |                                                 |  |                                                                                                     |  | type                                      |       | Product     |  | Customer Drawing |  |
|             |     |                |    |      |                                                         |             |                                                 |  |                                                                                                     |  |                                           |       |             |  |                  |  |

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form: A3

| 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         |

|             |     |                |    |      |                                                      |             |                                                                                                       |  |                                                                                                  |  |                                           |       |             |      |
|-------------|-----|----------------|----|------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|-------------------------------------------|-------|-------------|------|
| mat'l. code |     |                |    |      | surface <input checked="" type="checkbox"/> ISO 1302 |             | tolerance <input checked="" type="checkbox"/> ISO 406<br><input checked="" type="checkbox"/> ISO 1101 |  | projection  |  | product family<br>CLINCHER                |       |             |      |
| ltr         | ecn | no             | dr | date | tolerances unless otherwise specified                |             |                                                                                                       |  |                                                                                                  |  |                                           | title |             |      |
| L           |     |                |    |      | angles                                               | linear      | .XX±.01/.3<br>.xxx±.005/.13<br>.xxxx±.0020/.051                                                       |  | INCH/MM                                                                                          |  | CLINCHER™ RECEPTACLE<br>ASSEMBLY-LATCHING |       |             |      |
|             |     |                |    |      | 0'±2'                                                |             |                                                                                                       |  | scale 1:3                                                                                        |  |                                           |       |             |      |
|             |     |                |    |      | dr                                                   | M. FETROW   | 9/15/94                                                                                               |  |             |  | dwg no                                    |       | sheet5 of 6 | size |
|             |     |                |    |      | enr                                                  | T. HANNA    | 9/15/94                                                                                               |  |                                                                                                  |  | 67516                                     |       | A3          |      |
|             |     |                |    |      | chr                                                  | T.BREWBAKER | 9/15/94                                                                                               |  |                                                                                                  |  |                                           |       |             |      |
|             |     |                |    |      | appd                                                 | T.HANNA     | 9/15/94                                                                                               |  |                                                                                                  |  | type Product Customer Drawing             |       |             |      |
| 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      |
| 67516-701      |        | U N A   | S S I G | N E D   |        |         |        |         |             |
| 67516-702      | 2      | 0.100   | 2.54    | 0.390   | 9.91   | 0.315   | 8.00   | 2       | INK         |
| 67516-703      | 3      | 0.200   | 5.08    | 0.490   | 12.45  | 0.415   | 10.54  | 2       | INK         |
| 67516-704      | 4      | 0.300   | 7.62    | 0.590   | 14.99  | 0.515   | 13.08  | 2       | INK         |
| 67516-705      | 5      | 0.400   | 10.16   | 0.690   | 17.53  | 0.615   | 15.62  | 2       | INK         |
| 67516-706      | 6      | 0.500   | 12.70   | 0.790   | 20.07  | 0.715   | 18.16  | 2       | INK         |
| 67516-707      | 7      | 0.600   | 15.24   | 0.890   | 22.61  | 0.815   | 20.70  | 2       | INK         |
| 67516-708      | 8      | 0.700   | 17.78   | 0.990   | 25.15  | 0.915   | 23.24  | 2       | INK         |
| 67516-709      | 9      | 0.800   | 20.32   | 1.090   | 27.69  | 1.015   | 25.78  | 2       | INK         |
| 67516-710      | 10     | 0.900   | 22.86   | 1.190   | 30.23  | 1.115   | 28.32  | 2       | INK         |
| 67516-711      | 11     | 1.000   | 25.40   | 1.290   | 32.77  | 1.215   | 30.86  | 2       | INK         |
| 67516-712      | 12     | 1.100   | 27.94   | 1.390   | 35.31  | 1.315   | 33.40  | 2       | INK         |
| 67516-713      | 13     | 1.200   | 30.48   | 1.490   | 37.85  | 1.415   | 35.94  | 2       | INK         |
| 67516-714      | 14     | 1.300   | 33.02   | 1.590   | 40.39  | 1.515   | 38.48  | 2       | INK         |
| 67516-715      | 15     | 1.400   | 35.56   | 1.690   | 42.93  | 1.615   | 41.02  | 2       | INK         |
| 67516-716      | 16     | 1.500   | 38.10   | 1.790   | 45.47  | 1.715   | 43.56  | 2       | INK         |

|             |                |    |    |                                                         |                                       |                                  |               |                |  |                                                    |  |
|-------------|----------------|----|----|---------------------------------------------------------|---------------------------------------|----------------------------------|---------------|----------------|--|----------------------------------------------------|--|
| mat'l. code |                |    |    | surface<br>ISO 1302 <input checked="" type="checkbox"/> |                                       | tolerance<br>ISO 406<br>ISO 1101 |               | projection<br> |  | product family<br>CLINCHER                         |  |
| ltr         | ecn            | no | dr | date                                                    | tolerances unless otherwise specified |                                  |               |                |  |                                                    |  |
| L           |                |    |    |                                                         | angles                                | linear                           | .XX±.01/.3    | INCH/MM        |  | title<br>CLINCHER™ RECEPTACLE<br>ASSEMBLY-LATCHING |  |
|             |                |    |    |                                                         | 0'±2'                                 |                                  | .XXX±.005/.13 | scale 1:3      |  | dwg no<br>67516                                    |  |
|             |                |    |    |                                                         | dr                                    | M. FETROW                        | 9/15/94       |                |  | sheet 6 of 6 size<br>A3                            |  |
|             |                |    |    |                                                         | enr                                   | T. HANNA                         | 9/15/94       |                |  | type Product Customer Drawing                      |  |
|             |                |    |    |                                                         | chr                                   | T.BREWBAKER                      | 9/15/94       |                |  |                                                    |  |
|             |                |    |    |                                                         | appd                                  | T.HANNA                          | 9/15/94       |                |  |                                                    |  |
| sheet index | revision sheet |    |    |                                                         |                                       |                                  |               |                |  |                                                    |  |



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