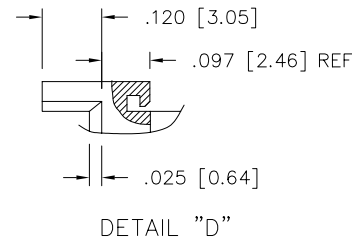
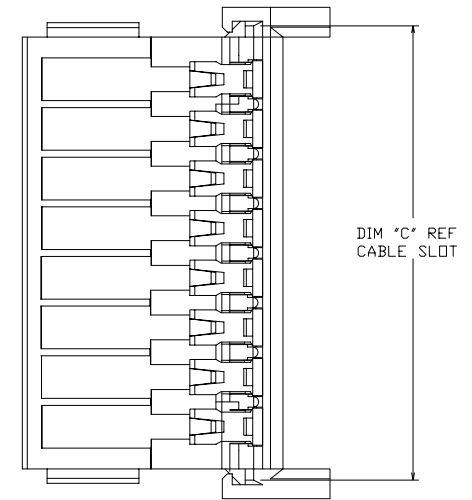
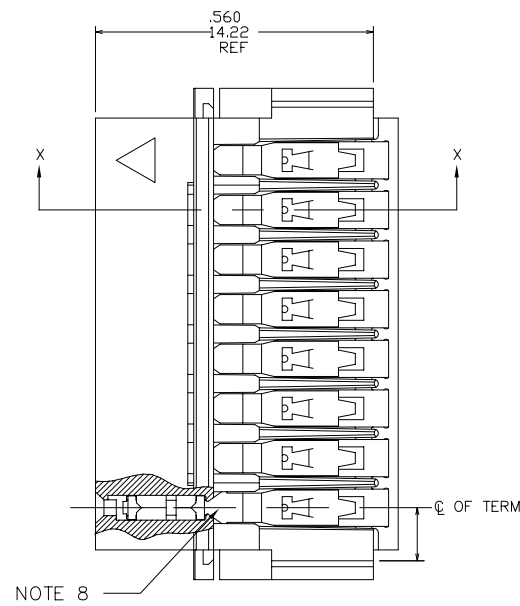
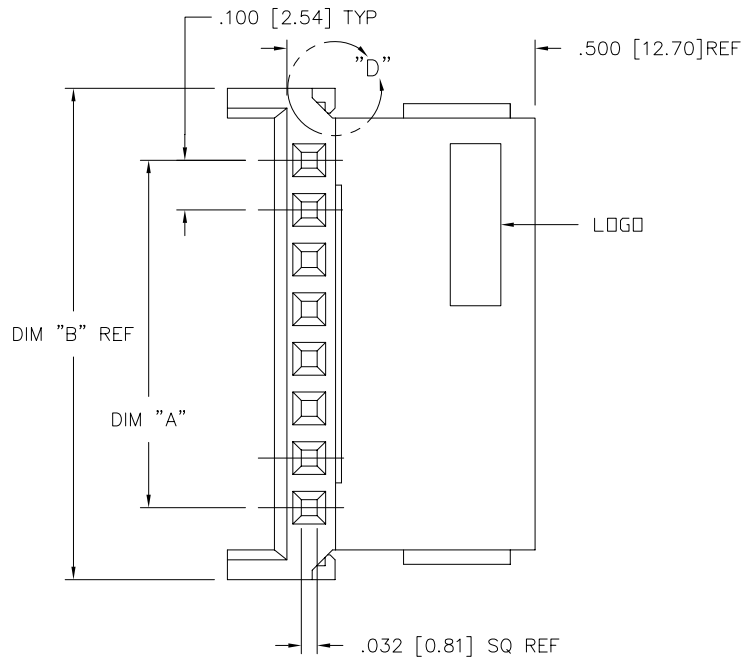




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PRODUCT NUMBER  
SEE TABLE



|             |          |     |          |                       |                                       |                                  |                  |                       |  |  |  |  |  |
|-------------|----------|-----|----------|-----------------------|---------------------------------------|----------------------------------|------------------|-----------------------|--|--|--|--|--|
| 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 | angles                           | linear           | scale 1:3             |  | title<br>CLINCHER™ RECEPTACLE<br>ASSEMBLY-LATCHING |  |  |  |
| E           | V50168   | HTB | 1/20/95  |                       |                                       |                                  | .XX±.01/.3       |                       |  | dwg no   |  |  |  |
| F           | V50221   | HTB | 2/7/95   |                       |                                       |                                  | .XXX±.005/.13    |                       |  | sheet 1 of 6 size                                  |  |  |  |
| G           | V50244   | HTB | 2/14/95  | 0'±2'                 |                                       |                                  | .XXXX±.0020/.051 |                       |  | A3   |  |  |  |
| H           | V51638   | HTB | 12/29/95 | dr                    | M. FETROW                             |                                  | 9/15/94          | FCI                   |  | type   |  |  |  |
| J           | M05-0087 | MHT | 6/17/05  | enrg                  | T. HANNA                              |                                  | 9/15/94          |                       |  | Product Customer Drawing                           |  |  |  |
| 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

PDM: Rev:L

STATUSReleased

Printed: Jul 22, 2010

| 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 |

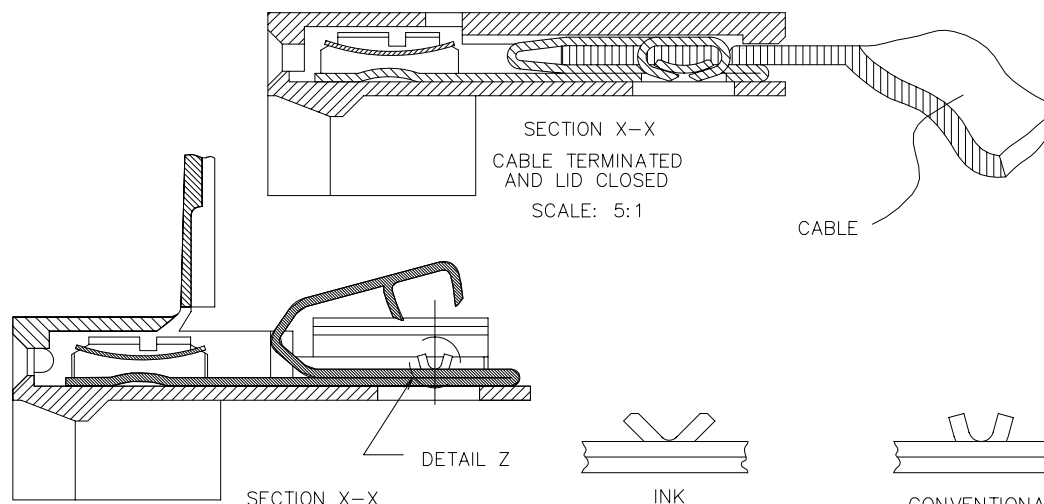
PRODUCT NUMBER

67516-XXXLF

LEAD FREE OPTION  
NOTE 9,10

NO OF POSITIONS  
AND PLATING

BASE PART NUMBER



# NOTES:

- HOUSING MATERIAL: THERMOPLASTIC, FLAME RETARDANT PER UL 94V-0. COLOR: BLUE.
- TERMINAL MATERIAL: 1/2 HARD Cu Ni ALLOY, UNS-C72500.
- TERMINAL PLATING: SEE TABLE.
- SEE TA-372 FOR CRIMP HEIGHT.
- FOR CABLE & CIRCUITRY INFORMATION SEE TA-264 AND TA-371.
- LATCH SNAPS CLOSED AFTER TERMINATION MAINTAINING A MAX OVER ALL HEIGHT OF .100/2.54.
- NO CENTER HINGE 2 THRU 8 POSITIONS. SINGLE CENTER HINGE 9 THRU 15 POSITIONS. TWO CENTER HINGES FOR 16 POSITION PARTS.
- KNURL MARK INDICATES FOR USE WITH INK TERMINATION. CONSULT WITH BERG ELECTRONICS TECHNICAL REPRESENTATIVE FOR SPECIFIC APPLICATIONS.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 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>CLINGER                |
| ltr            | ecn               | no | dr | date                | tolerances unless otherwise specified |  | title                                    |
| L              |                   |    |    |                     | angles<br>linear<br>0°±2'             | XX±.01/.3<br>.xxx±.005/.13<br>.xxxx±.0020/.051 | CLINGER™ RECEPTACLE<br>ASSEMBLY-LATCHING |
|                |                   |    |    |                     | dr                                    | M. FETROW 9/15/94                              | dwg no                                   |
|                |                   |    |    |                     | enr                                   | T. HANNA 9/15/94                               | sheet 2 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 |    |    |                     |                                       |  |  |

| 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    | tolerance                             | projection           | product family           |
|             |          |    |    | ISO 1302 ✓ | ISO 406<br>ISO 1101                   |                      | CLINCHER                 |
| ltr         | ecn      | no | dr | date       | tolerances unless otherwise specified | INCH/MM<br>scale 1:3 | title                    |
| L           |          |    |    |            | angles                                |                      | CLINCHER™ RECEPTACLE     |
|             |          |    |    |            | linear                                |                      | ASSEMBLY-LATCHING        |
|             |          |    |    |            | 0'±2'                                 |                      | dwg no                   |
|             |          |    |    |            |                                       |                      | sheet 3 of 6 size        |
|             |          |    |    |            | dr                                    |                      | 67516                    |
|             |          |    |    |            | enr                                   |                      | A3                       |
|             |          |    |    |            | chr                                   |                      |                          |
|             |          |    |    |            | appd                                  |                      |                          |
| sheet       | revision |    |    |            |                                       |                      | type                     |
| index       | sheet    |    |    |            |                                       |                      | Product Customer Drawing |





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                |  | <div>projection</div> <div></div> | 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   |  | <div>FCI</div> <div></div>        | 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   |  |  | type                       |  | Product Customer Drawing                  |  |
| sheet index |     | revision 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      |
| 67516-501      |        | 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<br>ISO 1302 ✓                 |             | 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                                    |       | 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 |    |      |                                       |             |   |  |   |  |   |       |             |      |  |



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      |
| 67516-701      |        | 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         |



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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   |  | title                                     |  |                          |  |  |
| L           |     |                |    |      | angles                                | linear      | .XX±.01/.3<br>.XXX±.005/.13<br>.XXXX±.0020/.051 |  | scale 1:3<br>  |  | CLINCHER™ RECEPTACLE<br>ASSEMBLY—LATCHING |  |                          |  |  |
|             |     |                |    |      | 0'±2'                                 |             |   |  |   |  | dwg no                                    |  |                          |  |  |
|             |     |                |    |      | dr                                    | M. FETROW   | 9/15/94   |  |   |  |   |  | sheet 6 of 6 size        |  |  |
|             |     |                |    |      | enrg                                  | T. HANNA    | 9/15/94   |  |   |  |   |  | 67516                    |  |  |
|             |     |                |    |      | chr                                   | T.BREWBAKER | 9/15/94   |  |   |  |   |  | A3                       |  |  |
|             |     |                |    |      | appd                                  | T.HANNA     | 9/15/94   |  |   |  | type                                      |  | Product Customer Drawing |  |  |
| sheet index |     | revision sheet |    |      |                                       |             |   |  |   |  |   |  |                          |  |  |

form: A3

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Authorized Distributor

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