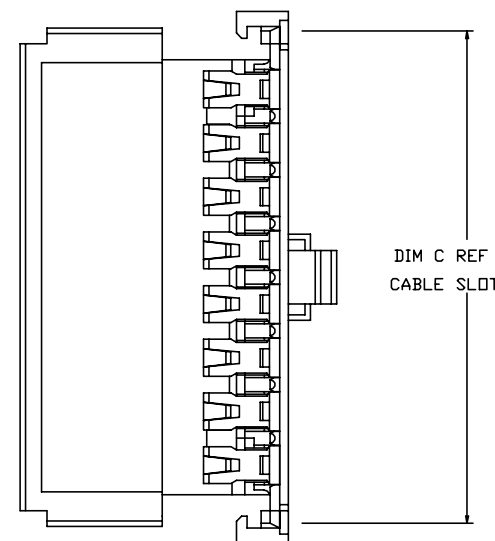
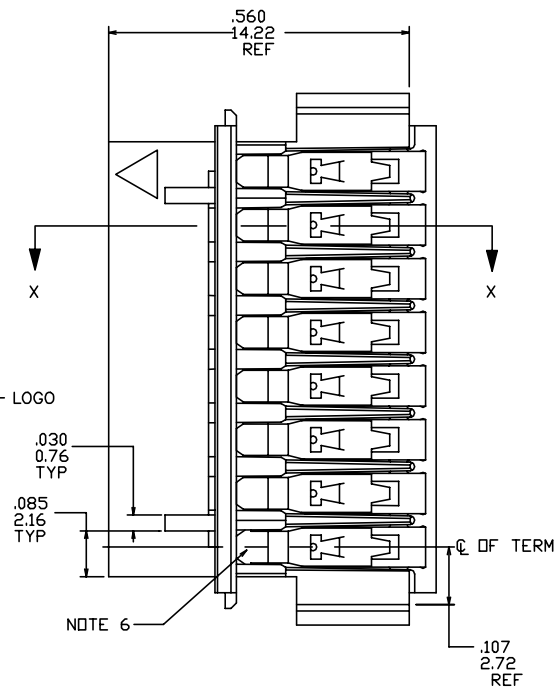
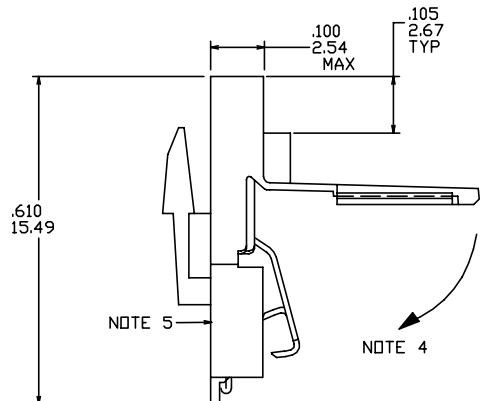
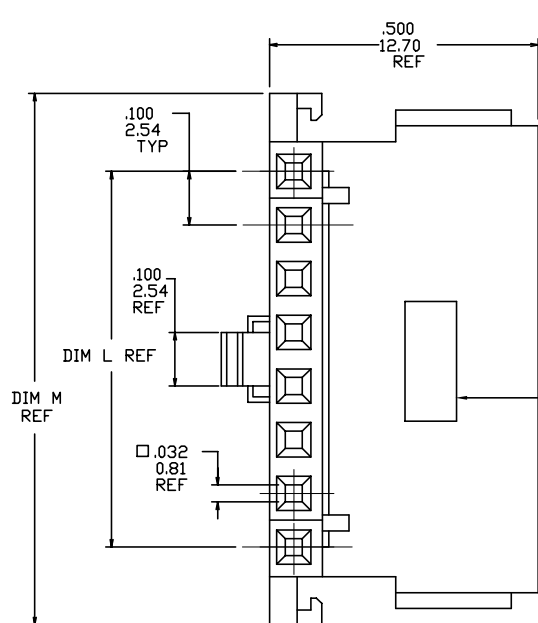
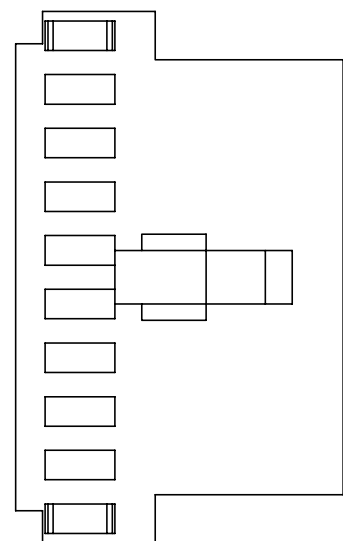


|                   |  |              |  |                                        |  |          |  |                     |  |             |  |                       |  |           |  |                                           |  |              |  |      |  |
|-------------------|--|--------------|--|----------------------------------------|--|----------|--|---------------------|--|-------------|--|-----------------------|--|-----------|--|-------------------------------------------|--|--------------|--|------|--|
| 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                                     |  |              |  |      |  |
| A                 |  | V03-0423     |  | TAB                                    |  | 4/17/03  |  | angles              |  | linear      |  | .XXX±.01/.XXX±0.3     |  | INCH/MM   |  | LATCHING CLINCHER™<br>RECEPTACLE ASSEMBLY |  |              |  |      |  |
| B                 |  | M05-0087     |  | MHT                                    |  | 6/15/05  |  |                     |  |             |  | .XXX±.005/.XXX±0.13   |  |           |  |                                           |  |              |  |      |  |
| C                 |  | M06-0001     |  | MHT                                    |  | 1/03/06  |  | 0°±2°               |  |             |  | .XXX±.0020/.XXX±0.051 |  | scale 3:1 |  |                                           |  |              |  |      |  |
| D                 |  | M06-0233     |  | AGS                                    |  | 06/12/06 |  | dr                  |  | T. BRUNGARD |  | 4/17/03               |  |           |  | dwg no                                    |  | sheet 1 of 6 |  | size |  |
| E                 |  | M07-0170     |  | MHT                                    |  | 3/30/07  |  | engr                |  | H. SUNDY    |  | 4/17/03               |  |           |  | 10022753                                  |  | A3           |  |      |  |
| F                 |  | ELX-N-010491 |  | ZK                                     |  | 06/03/12 |  | chr                 |  | H. SUNDY    |  | 4/17/03               |  |           |  |                                           |  |              |  |      |  |
|                   |  |              |  |                                        |  |          |  | appd                |  | H. SUNDY    |  | 4/17/03               |  |           |  |                                           |  |              |  |      |  |
| sheet             |  | revision     |  | F                                      |  | F        |  | F                   |  | F           |  | F                     |  |           |  |                                           |  |              |  |      |  |
| index             |  | sheet        |  | 1                                      |  | 2        |  | 3                   |  | 4           |  | 5                     |  | 6         |  |                                           |  |              |  |      |  |

# 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 | 3u"/.08u MIN. GOLD OVER 50u"/1.27u MIN. NICKLE |

PRODUCT NUMBER  
10022753-XXXLF

LEAD FREE OPTION  
NOTE 7,8

NO OF POSITIONS  
AND PLATING

BASE PART NUMBER

WINDOW

Q

.100  
2.54  
REF

CABLE TERMINATED  
AND LID CLOSED  
SCALE: 6/1

CABLE

## NOTES:

- MOLDING MAT'L: THERMOPLASTIC, FLAME RETARDENT PER UL 94V-0.  
COLOR: BLUE.
- TERMINAL MAT'L: 1/2 HARD CuNi ALLOY, UNS-C72500.  
PLATING: SEE TABULATION AND PLATING TABLE.
- SPRING MAT'L: 1/2 HARD BeCu ALLOY, UNS-C17200.  
PLATING: SEE TABULATION AND PLATING TABLE.
- LATCH SWINGS CLOSED AFTER TERMINATION MAINTAINING A MAX OVER  
ALL HEIGHT OF .100/2.54
- LABEL IN THIS AREA P/N AND DATE LOT CODE (WEEK AND YEAR)  
ON DASH No.-067 AND -167 ONLY.
- 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
- PLATING OPTION  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.



INK  
TERMINATION



CONVENTIONAL  
TERMINATION

DETAIL Z  
SCALE 6/1

|                   |                |                                       |             |                                  |                 |                       |              |                                                    |                          |
|-------------------|----------------|---------------------------------------|-------------|----------------------------------|-----------------|-----------------------|--------------|----------------------------------------------------|--------------------------|
| 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 |             | line                             |                 | scale 1:1             |              | title<br>LATCHING CLINCHER™<br>RECEPTACLE ASSEMBLY |                          |
| F                 |                | angles                                | 0°±2'       | line                             | XXX±.005/0.0013 |                       |              | dwg no<br>10022753                                 |                          |
|                   |                | dr                                    | T. BRUNGARD | 4/17/03                          |                 |                       | sheet 2 of 6 |                                                    | size<br>A3               |
|                   |                | engr                                  | H. SUNDY    | 4/17/03                          |                 |                       | type         |                                                    | Product Customer Drawing |
|                   |                | chr                                   | H. SUNDY    | 4/17/03                          |                 |                       |              |                                                    |                          |
|                   |                | appd                                  | H. SUNDY    | 4/17/03                          |                 |                       |              |                                                    |                          |
| sheet index       | revision sheet |                                       |             |                                  |                 |                       |              |                                                    |                          |

PDS: Rev :F

STATUS: Released

Printed: Mar 07, 2012

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6

| PRODUCT NO.  | NO. OF    | DIM. L  | DIM. L | DIM. M  | DIM. M | DIM. C  | DIM. C | PLATING | TERMINATION  |  |
|--------------|-----------|---------|--------|---------|--------|---------|--------|---------|--------------|--|
| NOTE 7       | POSITIONS | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | CODE    | NOTE 6       |  |
| 10022753-006 | 6         | 0.500   | 12.70  | 0.790   | 20.07  | 0.715   | 18.16  | 1       | CONVENTIONAL |  |
| 10022753-007 | 7         | 0.600   | 15.24  | 0.890   | 22.61  | 0.815   | 20.70  | 1       | CONVENTIONAL |  |
| 10022753-008 | 8         | 0.700   | 17.78  | 0.990   | 25.15  | 0.915   | 23.24  | 1       | CONVENTIONAL |  |
| 10022753-009 | 9         | 0.800   | 20.32  | 1.090   | 27.69  | 1.015   | 25.78  | 1       | CONVENTIONAL |  |
| 10022753-010 | 10        | 0.900   | 22.86  | 1.190   | 30.23  | 1.115   | 28.32  | 1       | CONVENTIONAL |  |
| 10022753-011 | 11        | 1.000   | 25.40  | 1.290   | 32.77  | 1.215   | 30.86  | 1       | CONVENTIONAL |  |
| 10022753-012 | 12        | 1.100   | 27.94  | 1.390   | 35.31  | 1.315   | 33.40  | 1       | CONVENTIONAL |  |
| 10022753-013 | 13        | 1.200   | 30.48  | 1.490   | 37.85  | 1.415   | 35.94  | 1       | CONVENTIONAL |  |
| 10022753-014 | 14        | 1.300   | 33.02  | 1.590   | 40.39  | 1.515   | 38.48  | 1       | CONVENTIONAL |  |
| 10022753-015 | 15        | 1.400   | 35.56  | 1.690   | 42.93  | 1.615   | 41.02  | 1       | CONVENTIONAL |  |
| 10022753-016 | 16        | 1.500   | 38.10  | 1.790   | 45.47  | 1.715   | 43.56  | 1       | CONVENTIONAL |  |
| 10022753-017 | 17        | 1.600   | 40.64  | 1.890   | 48.01  | 1.815   | 46.10  | 1       | CONVENTIONAL |  |
| 10022753-018 | 18        | 1.700   | 43.18  | 1.990   | 50.55  | 1.915   | 48.64  | 1       | CONVENTIONAL |  |
| 10022753-019 | 19        | 1.800   | 45.72  | 2.090   | 53.09  | 2.015   | 51.18  | 1       | CONVENTIONAL |  |
| 10022753-020 | 20        | 1.900   | 48.26  | 2.190   | 55.63  | 2.115   | 53.72  | 1       | CONVENTIONAL |  |
| 10022753-021 | 21        | 2.000   | 50.80  | 2.290   | 58.17  | 2.215   | 56.26  | 1       | CONVENTIONAL |  |
| 10022753-022 | 22        | 2.100   | 53.34  | 2.390   | 60.71  | 2.315   | 58.80  | 1       | CONVENTIONAL |  |
| 10022753-023 | 23        | 2.200   | 55.88  | 2.490   | 63.25  | 2.415   | 61.34  | 1       | CONVENTIONAL |  |
| 10022753-024 | 24        | 2.300   | 58.42  | 2.590   | 65.79  | 2.515   | 63.88  | 1       | CONVENTIONAL |  |
| 10022753-025 | 25        | 2.400   | 60.96  | 2.690   | 68.33  | 2.615   | 66.42  | 1       | CONVENTIONAL |  |
| 10022753-026 | 26        | 2.500   | 63.50  | 2.790   | 70.87  | 2.715   | 68.96  | 1       | CONVENTIONAL |  |
| 10022753-027 | 27        | 2.600   | 66.04  | 2.890   | 73.41  | 2.815   | 71.50  | 1       | CONVENTIONAL |  |
| 10022753-028 | 28        | 2.700   | 68.58  | 2.990   | 75.95  | 2.915   | 74.04  | 1       | CONVENTIONAL |  |
| 10022753-029 | 29        | 2.800   | 71.12  | 3.090   | 78.49  | 3.015   | 76.58  | 1       | CONVENTIONAL |  |
| 10022753-030 | 30        | 2.900   | 73.66  | 3.190   | 81.03  | 3.115   | 79.12  | 1       | CONVENTIONAL |  |
| 10022753-031 | 31        | 3.000   | 76.20  | 3.290   | 83.57  | 3.215   | 81.66  | 1       | CONVENTIONAL |  |
| 10022753-032 | 32        | 3.100   | 78.74  | 3.390   | 86.11  | 3.315   | 84.20  | 1       | CONVENTIONAL |  |
| 10022753-033 | 33        | 3.200   | 81.28  | 3.490   | 88.65  | 3.415   | 86.74  | 1       | CONVENTIONAL |  |
| 10022753-034 | 34        | 3.300   | 83.82  | 3.590   | 91.19  | 3.515   | 89.28  | 1       | CONVENTIONAL |  |

mat'l. code

surface  
ISO 1302 ✓

tolerance  
ISO 406  
ISO 1101

projection  


product family  
CLINCHER

ltr ecn nodr date

tolerances unless otherwise specified

angles  
0°±2'

linear  
XX±.01/0.XX±0.3  
XXX±.005/0.XX±0.13  
XXXX±.0020/0.XXX±0.051

INCH/MM

scale 1:1

title  
LATCHING CLINCHER™  
RECEPTACLE ASSEMBLY

dwg no  
10022753

sheet 3 of 6

size  
A3

type Product Customer Drawing

dr T. BRUNGARD 4/17/03

enr H. SUNDY 4/17/03

chr H. SUNDY 4/17/03

app H. SUNDY 4/17/03

sheet index

revision sheet

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Printed: Mar 07, 2012



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D

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| PRODUCT NO.  | NO. OF    | DIM. L  | DIM. L | DIM. M  | DIM. M | DIM. C  | DIM. C | PLATING | TERMINATION |  |
|--------------|-----------|---------|--------|---------|--------|---------|--------|---------|-------------|--|
| NOTE 7       | POSITIONS | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | CODE    | NOTE 6      |  |
| 10022753-139 | 6         | 0.500   | 12.70  | 0.790   | 20.07  | 0.715   | 18.16  | 2       | INK         |  |
| 10022753-140 | 7         | 0.600   | 15.24  | 0.890   | 22.61  | 0.815   | 20.70  | 2       | INK         |  |
| 10022753-141 | 8         | 0.700   | 17.78  | 0.990   | 25.15  | 0.915   | 23.24  | 2       | INK         |  |
| 10022753-142 | 9         | 0.800   | 20.32  | 1.090   | 27.69  | 1.015   | 25.78  | 2       | INK         |  |
| 10022753-143 | 10        | 0.900   | 22.86  | 1.190   | 30.23  | 1.115   | 28.32  | 2       | INK         |  |
| 10022753-144 | 11        | 1.000   | 25.40  | 1.290   | 32.77  | 1.215   | 30.86  | 2       | INK         |  |
| 10022753-145 | 12        | 1.100   | 27.94  | 1.390   | 35.31  | 1.315   | 33.40  | 2       | INK         |  |
| 10022753-146 | 13        | 1.200   | 30.48  | 1.490   | 37.85  | 1.415   | 35.94  | 2       | INK         |  |
| 10022753-147 | 14        | 1.300   | 33.02  | 1.590   | 40.39  | 1.515   | 38.48  | 2       | INK         |  |
| 10022753-148 | 15        | 1.400   | 35.56  | 1.690   | 42.93  | 1.615   | 41.02  | 2       | INK         |  |
| 10022753-149 | 16        | 1.500   | 38.10  | 1.790   | 45.47  | 1.715   | 43.56  | 2       | INK         |  |
| 10022753-150 | 17        | 1.600   | 40.64  | 1.890   | 48.01  | 1.815   | 46.10  | 2       | INK         |  |
| 10022753-151 | 18        | 1.700   | 43.18  | 1.990   | 50.55  | 1.915   | 48.64  | 2       | INK         |  |
| 10022753-152 | 19        | 1.800   | 45.72  | 2.090   | 53.09  | 2.015   | 51.18  | 2       | INK         |  |
| 10022753-153 | 20        | 1.900   | 48.26  | 2.190   | 55.63  | 2.115   | 53.72  | 2       | INK         |  |
| 10022753-154 | 21        | 2.000   | 50.80  | 2.290   | 58.17  | 2.215   | 56.26  | 2       | INK         |  |
| 10022753-155 | 22        | 2.100   | 53.34  | 2.390   | 60.71  | 2.315   | 58.80  | 2       | INK         |  |
| 10022753-156 | 23        | 2.200   | 55.88  | 2.490   | 63.25  | 2.415   | 61.34  | 2       | INK         |  |
| 10022753-157 | 24        | 2.300   | 58.42  | 2.590   | 65.79  | 2.515   | 63.88  | 2       | INK         |  |
| 10022753-158 | 25        | 2.400   | 60.96  | 2.690   | 68.33  | 2.615   | 66.42  | 2       | INK         |  |
| 10022753-159 | 26        | 2.500   | 63.50  | 2.790   | 70.87  | 2.715   | 68.96  | 2       | INK         |  |
| 10022753-160 | 27        | 2.600   | 66.04  | 2.890   | 73.41  | 2.815   | 71.50  | 2       | INK         |  |
| 10022753-161 | 28        | 2.700   | 68.58  | 2.990   | 75.95  | 2.915   | 74.04  | 2       | INK         |  |
| 10022753-162 | 29        | 2.800   | 71.12  | 3.090   | 78.49  | 3.015   | 76.58  | 2       | INK         |  |
| 10022753-163 | 30        | 2.900   | 73.66  | 3.190   | 81.03  | 3.115   | 79.12  | 2       | INK         |  |
| 10022753-164 | 31        | 3.000   | 76.20  | 3.290   | 83.57  | 3.215   | 81.66  | 2       | INK         |  |
| 10022753-165 | 32        | 3.100   | 78.74  | 3.390   | 86.11  | 3.315   | 84.20  | 2       | INK         |  |
| 10022753-166 | 33        | 3.200   | 81.28  | 3.490   | 88.65  | 3.415   | 86.74  | 2       | INK         |  |
| 10022753-167 | 34        | 3.300   | 83.82  | 3.590   | 91.19  | 3.515   | 89.28  | 2       | INK         |  |

mat'l. code

surface  
ISO 1302 ✓

tolerance  
ISO 406  
ISO 1101

projection  
INCH/MM

product family  
CLINCHER

ltr ecn nodr date

tolerances unless otherwise specified

angles  
0°±2'

linear  
XXX±.01/0.XX±0.3  
XXX±.005/0.XX±0.13  
XXX±.0020/0.XXX±0.051

dr T. BRUNGARD 4/17/03

enr H. SUNDY 4/17/03

chr H. SUNDY 4/17/03

app H. SUNDY 4/17/03

sheet index

revision sheet

scale 1:1

FCI

title  
LATCHING CLINCHER™  
RECEPTACLE ASSEMBLY

dwg no  
10022753

sheet 6 of 6

size  
A3

type Product Customer Drawing

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Form: A3

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PDS: Rev :F

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