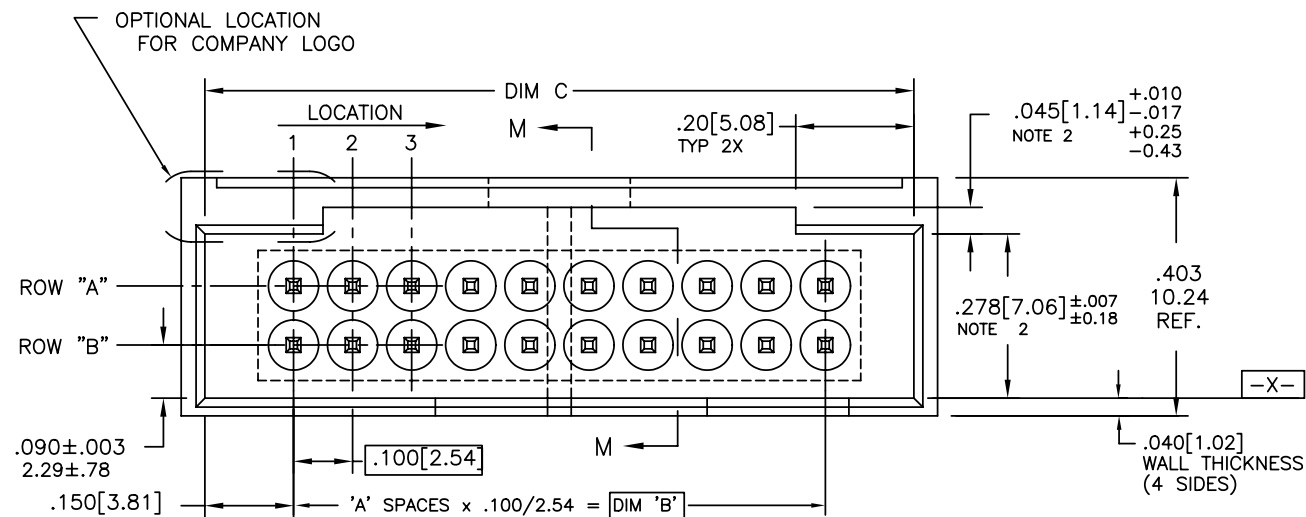
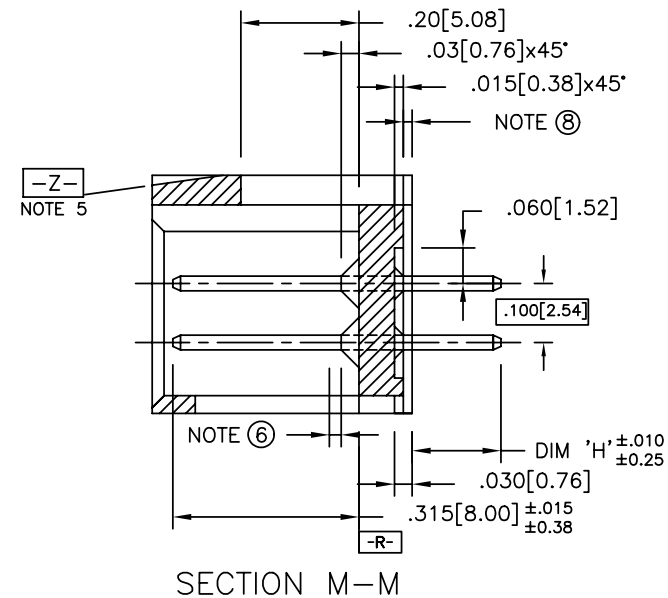
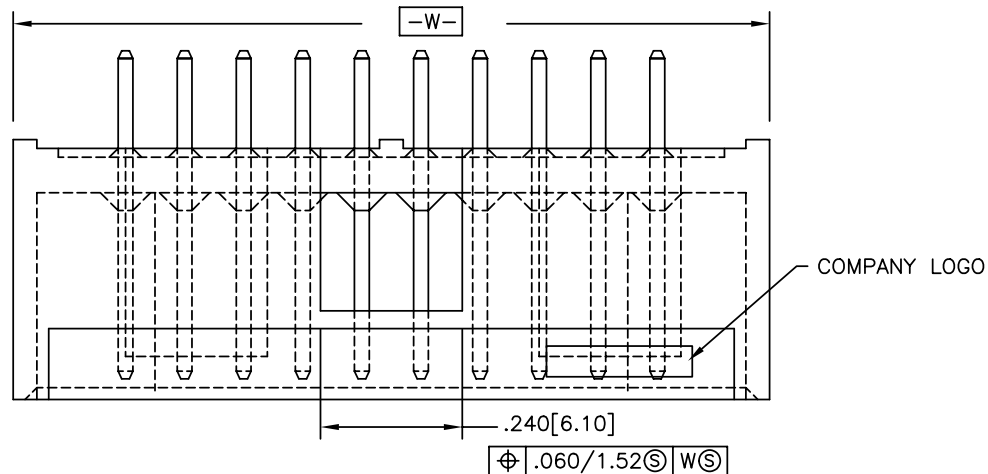
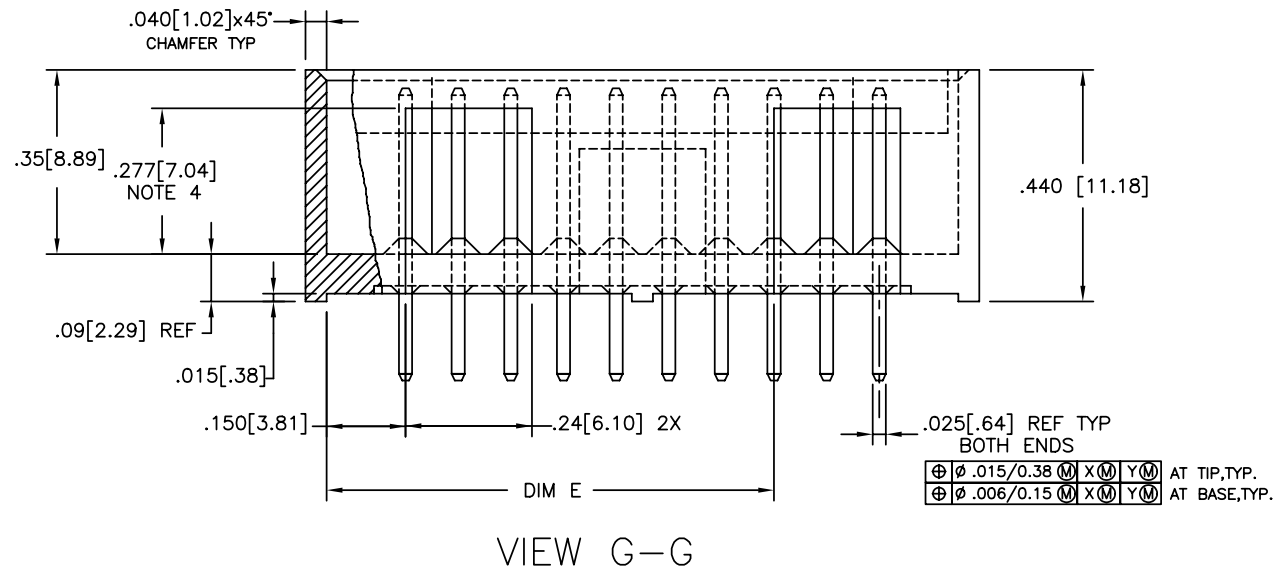


PRODUCT NUMBER  
SEE TABLE



| mat'l. code |             |     |            | surface                               |            | tolerance                        |  | projection |  | product family           |  |
|-------------|-------------|-----|------------|---------------------------------------|------------|----------------------------------|--|------------|--|--------------------------|--|
| NOTE 1      |             |     |            | ISO 1302                              |            | ISO 406                          |  | ISO 1101   |  | HEADER                   |  |
| ltr         | ecn no      | dr  | date       | tolerances unless otherwise specified |            | linear                           |  | angular    |  | title                    |  |
| A           | APPD        | JRL | 4/3/85     |                                       |            | $.XX \pm .01 / .XX \pm 0.3$      |  |            |  | STRAIGHT HEADER FOR      |  |
| B           | V81248      | SAR | 7/21/98    |                                       |            | $.XXX \pm .005 / .XXX \pm 0.13$  |  |            |  | FLAT CABLE RECEPT.       |  |
| C           | M05-0167    | ERE | 7/23/05    |                                       |            | $.XXX \pm .0020 / .XXX \pm 0.05$ |  |            |  | scale 3:1                |  |
| D           | M07-0116    | AGS | 2/24/07    | dr                                    | COPENHAVER | 7/10/84                          |  |            |  | dwg no                   |  |
| E           | M07-0238    | AGS | 5/23/07    | enrg                                  | P. SMITH   | 4/10/85                          |  |            |  | sheet 1 of 4             |  |
| F           | N07-0150    | MHT | 8/01/07    | chr                                   | P. SMITH   | 4/10/85                          |  |            |  | size                     |  |
| G           | ELX-N-13978 | DCS | 2013-01-28 | appd                                  | P. SMITH   | 4/10/85                          |  |            |  | A3                       |  |
| sheet       | revision    | G   | G          | G                                     | G          |                                  |  |            |  | type                     |  |
| index       | sheet       | 1   | 2          | 3                                     | 4          |                                  |  |            |  | Product Customer Drawing |  |

PRODUCT NUMBER  
SEE TABLE



NOTES:

1. TERMINAL MATERIAL:  
3/4 HARD PHOS BRONZE ALLOY UNS-C51000
2. TERMINAL PLATING:  
(1) 30μ"/0.76μ AU OR GXT over 50μ"/1.27μ NICKEL  
ON SWAGED TIPS AT MFG. OPTION  
(2) 30μ"/0.76μ AU over 50μ"/1.27μ NICKEL  
ON SWAGED TIPS AT MFG. OPTION
3. MOLDING MAT'L:  
GLASS-FILLED POLYESTER, FLAME RETARDENT  
PER UL94V-0, COLOR: BLACK
4. .020/0.51 MAX FLASH PERMISSIBLE AROUND  
ALL WINDOWS
5. COMPANY LOGO TO BE MOLDED IN ON DATUM SURFACE  
[-Z-] APPROXIMATELY AS SHOWN
6. .030/0.76 MAX FLASH PERMISSIBLE ON PINS  
(BOTH SIDES)
7. OTHER PLATINGS ARE AVAILABLE ON 68419 &  
68649. END OF PINS
8. .015/0.38 MAX FLASH PERMISSIBLE ON THIS  
END OF PINS.
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 HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm  
MINIMUM THICK CIRCUIT BOARD. SEE APPLICATION NOTES/PROCEDURES  
IF THEY ARE AVAILABLE.

|             |          |    |      |                       |                                       |                       |                                           |
|-------------|----------|----|------|-----------------------|---------------------------------------|-----------------------|-------------------------------------------|
| mat'l. code |          |    |      | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101      | projection<br>INCH/MM | product family<br>HEADER                  |
| ltr         | ecn      | no | dr   | date                  | tolerances unless otherwise specified | scale 3:1             | title                                     |
| G           |          |    |      |                       | angles linear                         |                       | STRAIGHT HEADER FOR<br>FLAT CABLE RECEPT. |
|             |          |    |      |                       | 0°±2'                                 |                       |                                           |
|             |          |    | dr   | COPENHAVER            | 7/10/84                               | FCI                   | dwg no                                    |
|             |          |    | enr  | P. SMITH              | 4/10/85                               |                       | sheet 2 of 4                              |
|             |          |    | chr  | P. SMITH              | 4/10/85                               |                       | size                                      |
|             |          |    | appd | P. SMITH              | 4/10/85                               |                       | A3                                        |
| sheet       | revision |    |      |                       |                                       |                       | type                                      |
| index       | sheet    |    |      |                       |                                       |                       | Product Customer Drawing                  |

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| PRODUCT NO | NO.OF | DIM C   | DIM C  | DIM B   | DIM B  | DIM D   | DIM D  | DIM E   | DIM E  | DIM H   | DIM H  | "A"    | PLATING CODE   |   |   |
|------------|-------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|--------|----------------|---|---|
| NOTE 10    | POS.  | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | SPACES |                |   |   |
| 68648-001  | 6     | 0.500   | 12.70  | 0.200   | 5.08   | 0.150   | 3.81   | 0.000   | 0.00   | 0.130   | 3.30   | 2      | SEE NOTE 2 (1) | - | - |
| 68648-002  | 8     | 0.600   | 15.24  | 0.300   | 7.62   | 0.150   | 3.81   | 0.000   | 0.00   | 0.130   | 3.30   | 3      | SEE NOTE 2 (1) | - | - |
| 68648-003  | 10    | 0.700   | 17.78  | 0.400   | 10.16  | 0.250   | 6.35   | 0.000   | 0.00   | 0.130   | 3.30   | 4      | SEE NOTE 2 (1) | - | - |
| 68648-004  | 12    | 0.800   | 20.32  | 0.500   | 12.70  | 0.250   | 6.35   | 0.000   | 0.00   | 0.130   | 3.30   | 5      | SEE NOTE 2 (1) | - | - |
| 68648-005  | 14    | 0.900   | 22.86  | 0.600   | 15.24  | 0.350   | 8.89   | 0.000   | 0.00   | 0.130   | 3.30   | 6      | SEE NOTE 2 (1) | - | - |
| 68648-006  | 16    | 1.000   | 25.40  | 0.700   | 17.78  | 0.350   | 8.89   | 0.000   | 0.00   | 0.130   | 3.30   | 7      | SEE NOTE 2 (1) | - | - |
| 68648-007  | 18    | 1.100   | 27.94  | 0.800   | 20.32  | 0.450   | 11.43  | 0.000   | 0.00   | 0.130   | 3.30   | 8      | SEE NOTE 2 (1) | - | - |
| 68648-008  | 20    | 1.200   | 30.48  | 0.900   | 22.86  | 0.150   | 3.81   | 0.850   | 21.59  | 0.130   | 3.30   | 9      | SEE NOTE 2 (1) | - | - |
| 68648-009  | 22    | 1.300   | 33.02  | 1.000   | 25.40  | 0.150   | 3.81   | 0.950   | 24.13  | 0.130   | 3.30   | 10     | SEE NOTE 2 (1) | - | - |
| 68648-010  | 24    | 1.400   | 35.56  | 1.100   | 27.94  | 0.150   | 3.81   | 1.050   | 26.67  | 0.130   | 3.30   | 11     | SEE NOTE 2 (1) | - | - |
| 68648-011  | 26    | 1.500   | 38.10  | 1.200   | 30.48  | 0.150   | 3.81   | 1.150   | 29.21  | 0.130   | 3.30   | 12     | SEE NOTE 2 (1) | - | - |
| 68648-012  | 28    | 1.600   | 40.64  | 1.300   | 33.02  | 0.150   | 3.81   | 1.250   | 31.75  | 0.130   | 3.30   | 13     | SEE NOTE 2 (1) | - | - |
| 68648-013  | 30    | 1.700   | 43.18  | 1.400   | 35.56  | 0.150   | 3.81   | 1.350   | 34.29  | 0.130   | 3.30   | 14     | SEE NOTE 2 (1) | - | - |
| 68648-014  | 32    | 1.800   | 45.72  | 1.500   | 38.10  | 0.150   | 3.81   | 1.450   | 36.83  | 0.130   | 3.30   | 15     | SEE NOTE 2 (1) | - | - |
| 68648-015  | 34    | 1.900   | 48.26  | 1.600   | 40.64  | 0.150   | 3.81   | 1.550   | 39.37  | 0.130   | 3.30   | 16     | SEE NOTE 2 (1) | - | - |
| 68648-016  | 36    | 2.000   | 50.81  | 1.700   | 43.18  | 0.150   | 3.81   | 1.650   | 41.91  | 0.130   | 3.30   | 17     | SEE NOTE 2 (1) | - | - |
| 68648-017  | 38    | 2.100   | 53.34  | 1.800   | 45.72  | 0.150   | 3.81   | 1.750   | 44.45  | 0.130   | 3.30   | 18     | SEE NOTE 2 (1) | - | - |
| 68648-018  | 40    | 2.200   | 55.88  | 1.900   | 48.26  | 0.150   | 3.81   | 1.850   | 46.99  | 0.130   | 3.30   | 19     | SEE NOTE 2 (1) | - | - |
| 68648-019  | 42    | 2.300   | 58.42  | 2.000   | 50.80  | 0.150   | 3.81   | 1.950   | 49.53  | 0.130   | 3.30   | 20     | SEE NOTE 2 (1) | - | - |
| 68648-020  | 44    | 2.400   | 60.96  | 2.100   | 53.34  | 0.150   | 3.81   | 2.050   | 52.07  | 0.130   | 3.30   | 21     | SEE NOTE 2 (1) | - | - |
| 68648-021  | 46    | 2.500   | 63.50  | 2.200   | 55.88  | 0.150   | 3.81   | 2.150   | 54.61  | 0.130   | 3.30   | 22     | SEE NOTE 2 (1) | - | - |
| 68648-022  | 48    | 2.600   | 66.04  | 2.300   | 58.42  | 0.150   | 3.81   | 2.250   | 57.15  | 0.130   | 3.30   | 23     | SEE NOTE 2 (1) | - | - |
| 68648-023  | 50    | 2.700   | 68.58  | 2.400   | 60.96  | 0.150   | 3.81   | 2.350   | 59.69  | 0.130   | 3.30   | 24     | SEE NOTE 2 (1) | - | - |
| 68648-024  | 52    | 2.800   | 71.12  | 2.500   | 63.50  | 0.150   | 3.81   | 2.450   | 62.23  | 0.130   | 3.30   | 25     | SEE NOTE 2 (1) | - | - |
| 68648-025  | 54    | 2.900   | 73.66  | 2.600   | 66.04  | 0.150   | 3.81   | 2.550   | 64.77  | 0.130   | 3.30   | 26     | SEE NOTE 2 (1) | - | - |
| 68648-026  | 56    | 3.000   | 76.20  | 2.700   | 68.58  | 0.150   | 3.81   | 2.650   | 67.31  | 0.130   | 3.30   | 27     | SEE NOTE 2 (1) | - | - |
| 68648-027  | 58    | 3.100   | 78.74  | 2.800   | 71.12  | 0.150   | 3.81   | 2.750   | 69.85  | 0.130   | 3.30   | 28     | SEE NOTE 2 (1) | - | - |
| 68648-028  | 60    | 3.200   | 81.28  | 2.900   | 73.66  | 0.150   | 3.81   | 2.850   | 72.39  | 0.130   | 3.30   | 29     | SEE NOTE 2 (1) | - | - |
| 68648-029  | 62    | 3.300   | 83.82  | 3.000   | 76.20  | 0.150   | 3.81   | 2.950   | 74.93  | 0.130   | 3.30   | 30     | SEE NOTE 2 (1) | - | - |
| 68648-030  | 64    | 3.400   | 86.36  | 3.100   | 78.74  | 0.150   | 3.81   | 3.050   | 77.47  | 0.130   | 3.30   | 31     | SEE NOTE 2 (1) | - | - |

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FCI

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mat'l. code

surface  
ISO 1302 ✓

tolerance  
ISO 406  
ISO 1101

projection  
INCH/MM  
scale 3:1

product family  
HEADER

ltr

ecn no

dr

date

tolerances unless otherwise specified

linear

angles

0°±2°

dr

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7/10/84

enr

P. SMITH

4/10/85

chr

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appd

P. SMITH

4/10/85

sheet index

revision sheet

title  
STRAIGHT HEADER FOR  
FLAT CABLE RECEPT.

dwg no  
68648

sheet 3 of 4

size  
A3

type  
Product Customer Drawing

form: A3

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2

3

4

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6

PDS: Rev :G

STATUS: Released

Printed: Feb 01, 2013

