

PRODUCT NUMBER  
SEE TABLE

-Z-

DIM C

MATING LENGTH  
DIM "M"

$\square$  .025  
0.64 REF

$\oplus \phi .015/0.38 \text{ (M)}$  X  $\textcircled{S}$  Z  $\textcircled{S}$  AT TIPS

$\square$  .003/1

NOTE 5

TOTAL PIN LENGTH  
DIM "P"  
REF

.268  
6.81  
-X-

.755  
19.18 REF

TAIL LENGTH  
DIM "T"

.360 [9.14]

.103 [2.62] 2X

45°  
2X

.020 [0.51] 2X

.310 [7.87] 2X

OVERALL LENGTH  
DIM L REF

DIM D

DIM B

.410  
10.41 2X

.124  
3.15 REF

.174 [4.42] REF

$\square$  .003/1

.050 [1.27]

SECTION A-A

.100  
2.54

.100  
2.54 TYP

$\oplus \phi .015/0.38 \text{ (M)}$  AT TIPS

.250 [6.35]

.160 [4.06] REF

.348  
8.84

|              |             |       |          |                                       |              |                     |        |            |  |                                                                  |            |                               |  |
|--------------|-------------|-------|----------|---------------------------------------|--------------|---------------------|--------|------------|--|------------------------------------------------------------------|------------|-------------------------------|--|
| mat'l. code  |             |       |          | surface                               |              | tolerance           |        | projection |  | product family                                                   |            |                               |  |
| NOTE 2 AND 3 |             |       |          | ISO 1302 ✓                            |              | ISO 406<br>ISO 1101 |        |            |  | HEADERS                                                          |            |                               |  |
| ltr          | ecn         | nodr  | date     | tolerances unless otherwise specified |              |                     |        |            |  |                                                                  |            | title                         |  |
| H            | V22947      | JWB   | 7/27/94  | angles                                | lineal       | .XX±.01/.3          |        |            |  | VERTICAL STACKING 2-ROW HEADER<br>.755/19.18 WITH MOUNTING HOLES |            |                               |  |
| J            | V50976      | MDF   | 8/5/95   |                                       |              | .XXX±.005/.13       |        |            |  |                                                                  |            |                               |  |
| K            | V71450      | HTB   | 10/7/97  |                                       |              | .XXXX±.0020/.051    |        |            |  |                                                                  |            |                               |  |
|              |             |       |          | 0°±2'                                 |              |                     |        | scale 2:1  |  |                                                                  |            |                               |  |
| L            | M05-0089    | ERE   | 5/20/05  | dr                                    | M. FETROW    |                     | 8/5/95 |            |  |                                                                  | dwg no     |                               |  |
| M            | M07-0116    | AGS   | 2/19/07  | engr                                  | L. FYE       |                     | 8/5/95 |            |  |                                                                  | sheet of 4 |                               |  |
| N            | ELX-N-18436 | Henry | 07/31/14 | chr                                   | T. BREWBAKER |                     | 8/5/95 |            |  |                                                                  | 67746      |                               |  |
|              |             |       |          | appd                                  |              | L. FYE              |        | 8/5/95     |  |                                                                  |            | type Product Customer Drawing |  |
| sheet        | revision    | N     | N        | N                                     | N            |                     |        |            |  |                                                                  |            |                               |  |
| index        | sheet       | 1     | 2        | 3                                     | 4            |                     |        |            |  |                                                                  |            |                               |  |

PDS: Rev :N

STATUS: Released

Printed: Aug 15, 2014



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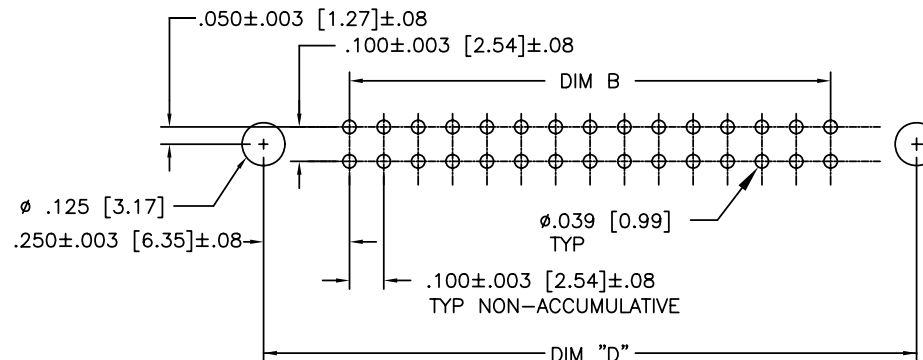
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| POSITION TABLE "A" |      |
|--------------------|------|
| PRODUCT NO         | SIZE |
| XXXXX-001          | 2X5  |
| ↑ -002             | 2X6  |
| -003               | 2X7  |
| -004               | 2X8  |
| -005               | 2X9  |
| -006               | 2X10 |
| -007               | 2X11 |
| -008               | 2X12 |
| -009               | 2X13 |
| -010               | 2X14 |
| -011               | 2X15 |
| -012               | 2X16 |
| -013               | 2X17 |
| -014               | 2X18 |
| -015               | 2X19 |
| -016               | 2X20 |
| -017               | 2X21 |
| -018               | 2X22 |
| -019               | 2X23 |
| -020               | 2X24 |
| -021               | 2X25 |
| -022               | 2X26 |
| -023               | 2X27 |
| -024               | 2X28 |
| -025               | 2X29 |
| -026               | 2X30 |
| -027               | 2X31 |
| -028               | 2X32 |
| -029               | 2X33 |
| -030               | 2X34 |
| -031               | 2X35 |
| XXXXX-032          | 2X36 |

| POSITION TABLE "B" |      |
|--------------------|------|
| PRODUCT NO         | SIZE |
| XXXXX-001          | 2X20 |
| ↑ -002             | 2X26 |
| -003               | 2X5  |
| -004               | 2X6  |
| -005               | 2X7  |
| -006               | 2X8  |
| -007               | 2X9  |
| -008               | 2X10 |
| -009               | 2X11 |
| -010               | 2X12 |
| -011               | 2X13 |
| -012               | 2X14 |
| -013               | 2X15 |
| -014               | 2X16 |
| -015               | 2X17 |
| -016               | 2X18 |
| -017               | 2X19 |
| -018               | 2X21 |
| -019               | 2X22 |
| -020               | 2X23 |
| -021               | 2X24 |
| -022               | 2X25 |
| -023               | 2X27 |
| -024               | 2X28 |
| -025               | 2X29 |
| -026               | 2X30 |
| -027               | 2X31 |
| -028               | 2X32 |
| -029               | 2X33 |
| -030               | 2X34 |
| -031               | 2X35 |
| XXXXX-032          | 2X36 |

## PART NUMBER INFORMATION

XXXXX-XXX LF  
→ LEAD FREE OPTION  
→ SEE POSITION TABLE "A" OR "B"  
FOR SIZES (SEE SHEET 4)  
→ BASE PART NO.



## RECOMMENDED PC BOARD LAYOUT

SCALE 2/1

## NOTES

- DIM B =  
(NO OF COLUMNS - 1) TIMES .100 (ENGLISH)  
(NO OF COLUMNS - 1) TIMES 2.54 (METRIC)
- MOLDING MATERIAL: 20% MIN GLASS FILLED NYLON PER UL 94V-0.  
COLOR: BLACK, OXYGEN INDEX 36.
- TERMINAL MATERIAL: 3/4 HARD PHOS BRONZE ALLOY UNS C51000.
- PIN RETENTION TO BE 3 LBS./1.4 KGS MINIMUM  
PER PIN IN EITHER DIRECTION.
- BERG LOGO TO BE MOLDED IN APPROX LOCATION SHOWN.
- ASSEMBLY IS UL AND CSA APPROVED.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- 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.
- IF "LF" P/N THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

|               |            |                                       |                                               |                                |
|---------------|------------|---------------------------------------|-----------------------------------------------|--------------------------------|
| mat'l. code   | surface    | tolerance                             | projection                                    | product family                 |
| NOTE 2 AND 3  | ISO 1302 ✓ | ISO 406<br>ISO 1101                   |                                               | HEADERS                        |
| ltr/ecn no/dt | date       | tolerances unless otherwise specified |                                               | title                          |
| N             |            | angles                                | linear                                        | VERTICAL STACKING 2-ROW HEADER |
|               |            | 0°±2'                                 | .XX±.01/.3<br>XXX±.005/.13<br>XXXX±.0020/.051 | .755/19.18 WITH MOUNTING HOLES |
|               | dr         | M. FETROW                             | 8/5/95                                        | dwg no                         |
|               | enr        | L. FYE                                | 8/5/95                                        | sheet 2 of 4                   |
|               | chr        | T. BREWBAKER                          | 8/5/95                                        | size                           |
|               | app        | L. FYE                                | 8/5/95                                        | A3                             |
| sheet         | revision   |                                       |                                               | type                           |
| index         | sheet      |                                       |                                               | Product Customer Drawing       |

1

2 3

4

5

6

PRODUCT NO  
NOTE 7

TERMINAL PLATING (NOTE 10)

67746-XXX

15u"/0.38u MIN Au OVER 50u"/1.27u Ni.

68582-XXX

30u"/0.76u MIN GXT™ OVER 50u"/1.27u Ni.

69208-XXX

120u"/3.05u MIN 93/7 SnPb OVER 50u"/1.27u Ni.

69210-XXX

15u"/0.38u MIN GXT™ OVER 50u"/1.27u MIN Ni.

A

69687-XXX

30u"/0.76u MIN Au OVER 50u"/1.27u Ni.

69962-XXX

DUPLEX { CONTACT: 15u"/0.38u MIN Au OVER 50u"/1.27u Ni.  
TAIL: 100u"/2.54u MIN PURE Sn OVER 50u"/1.27u Ni.

69966-XXX

DUPLEX { CONTACT: 30u"/0.76u MIN Au OVER 50u"/1.27u Ni.  
TAIL: 100u"/2.54u MIN PURE Sn OVER 50u"/1.27u Ni.

B

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C

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D

A

B

C

D

|                             |  |                       |  |                                       |              |                                                                                                     |                                                                                       |                                |  |
|-----------------------------|--|-----------------------|--|---------------------------------------|--------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------|--|
| mat'l. code<br>NOTE 2 AND 3 |  | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406<br>ISO 1101      |              | projection<br> |                                                                                       | product family<br>HEADERS      |  |
| ltr/ecn no/dt               |  | date                  |  | tolerances unless otherwise specified |              | title                                                                                               |                                                                                       |                                |  |
| N                           |  |                       |  | angles                                | linea        | .XX±.01/.3                                                                                          | INCH/MM                                                                               | VERTICAL STACKING 2-ROW HEADER |  |
|                             |  |                       |  | 0°±2°                                 |              | .XXX±.005/.13                                                                                       |                                                                                       | .755/19.18 WITH MOUNTING HOLES |  |
|                             |  |                       |  |                                       |              | .XXXX±.0020/.051                                                                                    | scale 2:1                                                                             |                                |  |
|                             |  |                       |  | dr                                    | M. FETROW    | 8/5/95                                                                                              |  | dwg no sheet 3 of 4 size       |  |
|                             |  |                       |  | engr                                  | L. FYE       | 8/5/95                                                                                              |                                                                                       | 67746 A3                       |  |
|                             |  |                       |  | chr                                   | T. BREWBAKER | 8/5/95                                                                                              |                                                                                       |                                |  |
|                             |  |                       |  | appd                                  | L. FYE       | 8/5/95                                                                                              |                                                                                       | type Product Customer Drawing  |  |
| sheet index                 |  | revision sheet        |  |                                       |              |                                                                                                     |                                                                                       |                                |  |

