

PRODUCT NUMBER

XXXXX-YYY HTLF

LEAD FREE OPTION  
SEE NOTE 1,8

TUBE PACKAGING OPTION  
SEE NOTE 1

HIGH TEMPERATURE PLASTIC  
SEE NOTE 1

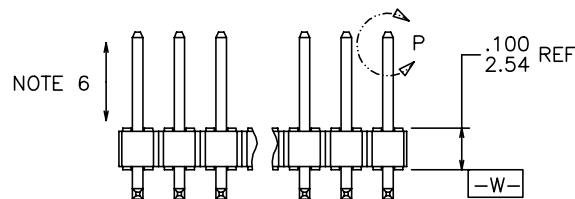
NO OF  
POSITIONS  
SEE NOTE 1

PIN PLATING  
SEE SHEET 2

BASE PART NO.



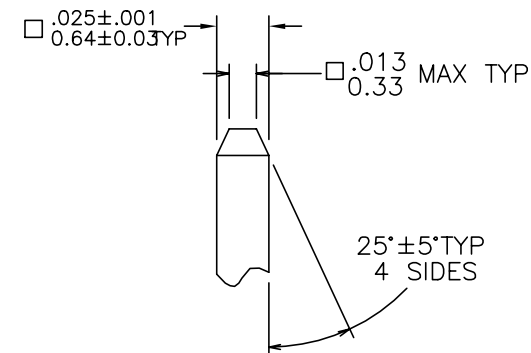
TOP VIEW



SIDE VIEW

$\phi .020/0.51 \text{ (M)} \text{ U (M)} \text{ V (S)} \text{ W}$

NOTE 4



DETAIL P  
TYP BOTH ENDS



END VIEW

68015-X XX-XXX XXX LF

TAIL LENGTH (EXAMPLE BELOW)  
3.0mm=030 12.8mm=128 (SEE NOTE 11 & 12)

MATING LENGTH (EXAMPLE BELOW)  
5.0mm=050 25.5mm=255 (SEE NOTE 11 & 12)

TOTAL NUMBER OF POSITION  
FROM 1 THRU 36 POS. (SEE NOTE 1)

PIN PLATING (SEE NOTE 13)  
1=0.76µm Au  
4= PURE TIN  
8=0.36µm Au

BASE PART NO.  
SINGLE ROW RIGHT ANGLE

|                                |  |             |  |                                       |  |                                  |  |                                                                                                     |  |                            |  |                       |  |                                                                                       |  |                                           |  |              |  |                  |  |
|--------------------------------|--|-------------|--|---------------------------------------|--|----------------------------------|--|-----------------------------------------------------------------------------------------------------|--|----------------------------|--|-----------------------|--|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|--------------|--|------------------|--|
| mat'l. code<br>SEE NOTES 2 & 3 |  |             |  | surface<br>ISO 1302 ✓                 |  | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |  | product family<br>BERGSTIK |  |                       |  |                                                                                       |  |                                           |  |              |  |                  |  |
| ltr ecn no dr date             |  |             |  | tolerances unless otherwise specified |  |                                  |  |                                                                                                     |  | title                      |  |                       |  |                                                                                       |  |                                           |  |              |  |                  |  |
| BB                             |  | ELX-N-16105 |  | ZK                                    |  | 10/22/13                         |  | angles                                                                                              |  | linear                     |  | XX±.01/XX±0.3         |  | INCH/MM                                                                               |  | BERGSTIK® II HEADER<br>.100/2.54cc SR R/A |  |              |  |                  |  |
| BC                             |  | ELX-N-16356 |  | ZK                                    |  | 11/25/13                         |  |                                                                                                     |  | linear                     |  | XXX±.005/XXX±0.13     |  |                                                                                       |  |                                           |  |              |  |                  |  |
|                                |  |             |  |                                       |  |                                  |  | 0°±2°                                                                                               |  |                            |  | XXXX±.0020/XXXX±0.051 |  | scale 2:1                                                                             |  |                                           |  |              |  |                  |  |
| AV                             |  | M08-0169    |  | MHT                                   |  | 6/16/08                          |  | dr                                                                                                  |  | T.BREWBAKER                |  | 01/31/95              |  |  |  | dwg no                                    |  | sheet 1 of 4 |  | size             |  |
| AW                             |  | M08-0267    |  | MHT                                   |  | 9/25/08                          |  | engr                                                                                                |  | T.HANNA                    |  | 01/31/95              |  |                                                                                       |  | 68015                                     |  | A3           |  |                  |  |
| AX                             |  | M08-0331    |  | MHT                                   |  | 12/01/08                         |  | chr                                                                                                 |  | T.HANNA                    |  | 01/31/95              |  |                                                                                       |  |                                           |  |              |  |                  |  |
| BA                             |  | N11-0118    |  | J.Z                                   |  | 04/11/11                         |  | appd                                                                                                |  | T.HANNA                    |  | 01/31/95              |  |                                                                                       |  |                                           |  |              |  |                  |  |
| sheet                          |  | revisio     |  | BC                                    |  | BC                               |  | BC                                                                                                  |  | BC                         |  |                       |  |                                                                                       |  | type                                      |  | Product      |  | Customer Drawing |  |
| index                          |  | sheet       |  | 1                                     |  | 2                                |  | 3                                                                                                   |  | 4                          |  |                       |  |                                                                                       |  |                                           |  |              |  |                  |  |

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| PIN PLATING CODES: |                                                         |
|--------------------|---------------------------------------------------------|
| XXXX-1YY           | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-2YY           | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-3YY           | 50u"/1.27u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-4YY           | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 10) |
| XXXX-4YYHLF        |                                                         |
| XXXX-5YY           | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-6YY           | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-7YY           | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-8YY           | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-9YY           | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXX-0YY           | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |

#### NOTES

1. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

HIGH TEMP. MATERIAL:

PART NUMBERS WITH AND WITHOUT "H" WILL BE SUPPLIED WITH HIGH TEMPERATURE PLASTIC.

NUMBER OF POSITION:

ANY NUMBER OF POSITIONS FROM 1 THRU 36.

PACKAGING:

PACKAGED IN POLY BAGS.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

LEAD FREE:

ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY,-5YYH,-6YY & -6YYH.

2. BODY MATERIAL:

MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, OR LCP MINERAL FIBER FLAME RETARDANT PER UL-94V-0. COLOR: BLACK.

PART NUMBERS WITH AND WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

3. PIN MATERIAL: PHOS-BRONZE.

4. MEASURED WITH PART IN RESTRAINED CONDITION.

5. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.

6. 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.

7. MILITARY BERGSTIK HEADER  
P/N XXXXX-YYY-MIL  
NOT AVAILABLE.

8. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

9. PLATING OPTIONS:

PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.

10. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

11. THE DAL DON'T EXCEED 31mm  
DAL= MATTING DIM+4.0mm<31mm WHERE THE SUM OF TAIL AND MATTING LENGTH DON'T EXCEED 27mm

12. INCREMENTS BY 0.1mm IN LENGTHS ONLY

13. FOR SPECIAL PACKAGING REQUEST PLEASE CONTACT PRODUCT MANAGER FOR AVAILABILITY

14. BEND DIMENSIONS AT 1.5mm ONLY

15. TO DETERMINE DIMENSIONS:  
N=NUMBER OF POSITION PER ROW  
EXAMPLE: 10 POS. N X .100/2.54

.100±.003 [2.54±.08]  
TYP. NON-ACCUMULATIVE  
Ø.040±.003 [1.02±.08]  
TYP.

#### RECOMMENDED HOLE PATTERN

|                                |                       |                                                                      |                                                    |                               |
|--------------------------------|-----------------------|----------------------------------------------------------------------|----------------------------------------------------|-------------------------------|
| mat'l. code<br>SEE NOTES 2 & 3 | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101                                     | projection<br>INCH/MM                              | product family<br>BERGSTIK    |
| ltr/ecn no/dt                  | date                  | tolerances unless otherwise specified                                | title<br>BERGSTIK® II HEADER<br>.100/2.54cc SR R/A |                               |
| BC                             |                       | angles<br>0°±2'                                                      | scale 2:1                                          | dwg no<br>68015               |
|                                |                       | linear<br>XX±.01/XX±.03<br>XXX±.005/XXX±.013<br>XXXX±.0020/XXXX±.051 |                                                    | sheet 2 of 4 size<br>A3       |
|                                |                       | dr<br>T.BREWBAKER 01/31/95                                           |                                                    |                               |
|                                |                       | engr<br>T.HANNA 01/31/95                                             |                                                    |                               |
|                                |                       | chr<br>T.HANNA 01/31/95                                              |                                                    |                               |
|                                |                       | appd<br>T.HANNA 01/31/95                                             |                                                    |                               |
| sheet index                    | revision sheet        |                                                                      |                                                    | type Product Customer Drawing |

1

2 3

4

5

6

| PRODUCT NUMBER       | MATING LENGTH    |                  | TAIL LENGTH      |                  | BEND DIM         |                 | PACKAGING            | LF<br>OPTION |
|----------------------|------------------|------------------|------------------|------------------|------------------|-----------------|----------------------|--------------|
|                      | DIM F            | DIM F            | DIM G            | DIM G            | DIM H            | DIM H           |                      |              |
|                      | ENGLISH          | METRIC           | ENGLISH          | METRIC           | ENGLISH          | METRIC          |                      |              |
| 68015-YYY            | 0.230            | 5.84             | 0.090            | 2.29             | 0.060            | 1.52            | POLY BAGS/TUBES      | NOTE 1,8     |
| 68016-YYY            | 0.230            | 5.84             | 0.120            | 3.05             | 0.060            | 1.52            | POLY BAGS/TUBES      |              |
| 68023-YYY            | 0.135            | 3.43             | 0.305            | 7.75             | 0.135            | 3.43            | POLY BAGS            |              |
| 68417-YYY            | 0.230            | 5.84             | 0.390            | 9.91             | 0.060            | 1.52            | POLY BAGS            |              |
| 68423-YYY            | 0.318            | 8.08             | 0.120            | 3.05             | 0.060            | 1.52            | POLY BAGS/TUBES      |              |
| 68458-YYY            | 0.318            | 8.08             | 0.110            | 2.79             | 0.060            | 1.52            | POLY BAGS            |              |
| 68461-YYY            | 0.400            | 10.16            | 0.320            | 8.13             | 0.260            | 6.60            | POLY BAGS            | OB           |
| <del>68468-YYY</del> | <del>0.230</del> | <del>5.84</del>  | <del>0.195</del> | <del>4.95</del>  | <del>0.160</del> | <del>4.06</del> | <del>POLY BAGS</del> |              |
| 68488-YYY            | 0.230            | 5.84             | 0.180            | 4.57             | 0.060            | 1.52            | POLY BAGS            |              |
| <del>68494-YYY</del> | <del>0.400</del> | <del>10.16</del> | <del>0.110</del> | <del>2.79</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| 68498-YYY            | 0.230            | 5.84             | 0.220            | 5.59             | 0.160            | 4.06            | POLY BAGS            |              |
| 68626-YYY            | 0.230            | 5.84             | 0.295            | 7.49             | 0.060            | 1.52            | POLY BAGS            |              |
| <del>68627-YYY</del> | <del>0.120</del> | <del>3.05</del>  | <del>0.185</del> | <del>4.70</del>  | <del>0.150</del> | <del>3.81</del> | <del>POLY BAGS</del> | OB           |
| <del>68628-YYY</del> | <del>0.230</del> | <del>5.84</del>  | <del>0.590</del> | <del>14.99</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| <del>68641-YYY</del> | <del>0.230</del> | <del>5.84</del>  | <del>0.490</del> | <del>12.45</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| <del>68660-YYY</del> | <del>0.110</del> | <del>2.79</del>  | <del>0.230</del> | <del>5.84</del>  | <del>0.135</del> | <del>3.43</del> | <del>POLY BAGS</del> |              |
| <del>68694-YYY</del> | <del>0.600</del> | <del>15.24</del> | <del>0.120</del> | <del>3.05</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| <del>68757-YYY</del> | <del>0.350</del> | <del>8.89</del>  | <del>0.220</del> | <del>5.59</del>  | <del>0.100</del> | <del>2.54</del> | <del>POLY BAGS</del> |              |
| 68758-YYY            | 0.275            | 6.99             | 0.120            | 3.05             | 0.060            | 1.52            | POLY BAGS            | NOTE 1,8     |
| 68764-YYY            | 0.100            | 2.54             | 0.120            | 3.05             | 0.060            | 1.52            | POLY BAGS            |              |
| <del>68782-YYY</del> | <del>0.318</del> | <del>8.08</del>  | <del>0.180</del> | <del>4.57</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| 68798-YYY            | 0.110            | 2.79             | 0.230            | 5.84             | 0.160            | 4.06            | POLY BAGS            |              |
| <del>69189-YYY</del> | <del>0.310</del> | <del>7.87</del>  | <del>0.250</del> | <del>6.35</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| <del>71270-YYY</del> | <del>0.600</del> | <del>15.24</del> | <del>0.189</del> | <del>4.80</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| <del>72342-YYY</del> | <del>0.120</del> | <del>3.05</del>  | <del>0.250</del> | <del>6.35</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| <del>78230-YYY</del> | <del>0.310</del> | <del>7.87</del>  | <del>0.330</del> | <del>8.38</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |
| <del>78231-YYY</del> | <del>0.310</del> | <del>7.87</del>  | <del>0.290</del> | <del>7.37</del>  | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> |              |

|                                |  |                       |  |                                       |  |                                                                                                     |  |                               |  |
|--------------------------------|--|-----------------------|--|---------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|-------------------------------|--|
| mat'l. code<br>SEE NOTES 2 & 3 |  | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406<br>ISO 1101      |  | projection<br> |  | product family<br>BERGSTIK    |  |
| ltr/ecn nodr                   |  | date                  |  | tolerances unless otherwise specified |  |                                                                                                     |  | title                         |  |
| BC                             |  |                       |  | angles                                |  | linear                                                                                              |  | INCH/MM                       |  |
|                                |  |                       |  | 0°±2°                                 |  | XXX±.01/XX±0.3<br>XXX±.005/XX±0.13<br>XXX±.0020/XXX±0.051                                           |  | scale 2:1                     |  |
|                                |  |                       |  | dr                                    |  | T.BREWBAKER 01/31/95                                                                                |  | dwg no sheet 3 of 4 size      |  |
|                                |  |                       |  | engr                                  |  | T.HANNA 01/31/95                                                                                    |  | 68015 A3                      |  |
|                                |  |                       |  | chr                                   |  | T.HANNA 01/31/95                                                                                    |  | type Product Customer Drawing |  |
|                                |  |                       |  | appd                                  |  | T.HANNA 01/31/95                                                                                    |  |                               |  |
| sheet index                    |  | revision sheet        |  |                                       |  |                                                                                                     |  |                               |  |

| PRODUCT NUMBER       | MATING LENGTH    |                  | TAIL LENGTH      |                 | BEND DIM         |                 | PACKAGING            | LF<br>OPTION |
|----------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|----------------------|--------------|
|                      | DIM F            | DIM F            | DIM G            | DIM G           | DIM H            | DIM H           |                      |              |
|                      | ENGLISH          | METRIC           | ENGLISH          | METRIC          | ENGLISH          | METRIC          |                      |              |
|                      |                  |                  |                  |                 |                  |                 |                      |              |
| <del>78234-XXY</del> | <del>0.230</del> | <del>5.84</del>  | <del>0.140</del> | <del>3.56</del> | <del>0.160</del> | <del>4.06</del> | <del>POLY BAGS</del> | OB           |
| <del>78541-XXY</del> | <del>0.318</del> | <del>8.08</del>  | <del>0.080</del> | <del>2.03</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| 78587-XXY            |                  |                  | UNAVAILABLE      |                 |                  |                 |                      |              |
| 78938-XXY            | 0.120            | 3.05             | 0.120            | 3.05            | 0.060            | 1.52            | POLY BAGS            | NOTE 1,8     |
| <del>78955-XXY</del> | <del>0.075</del> | <del>1.91</del>  | <del>0.090</del> | <del>2.29</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| <del>78978-XXY</del> | <del>0.120</del> | <del>3.05</del>  | <del>0.318</del> | <del>8.08</del> | <del>0.135</del> | <del>3.43</del> | <del>POLY BAGS</del> | OB           |
| 79409-XXY            |                  |                  | UNAVAILABLE      |                 |                  |                 |                      |              |
| 84846-XYHH           | 0.140            | 3.56             | 0.290            | 7.37            | 0.153            | 3.89            | POLY BAGS            | OB           |
| 84917-XYHH           | 0.090            | 2.29             | 0.195            | 4.95            | 0.190            | 4.83            | POLY BAGS            | OB           |
| 84935-XYHH           | 0.450            | 11.43            | 0.320            | 8.13            | 0.260            | 6.60            | POLY BAGS            | OB           |
| 84936-XYHH           | 0.350            | 8.89             | 0.120            | 3.05            | 0.060            | 1.52            | POLY BAGS            | OB           |
| 87532-XYHH           | 0.230            | 5.84             | 0.890            | 22.61           | 0.060            | 1.52            | POLY BAGS            | OB           |
| <del>88813-XXY</del> | <del>0.230</del> | <del>5.84</del>  | <del>0.085</del> | <del>2.16</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| <del>92050-XXY</del> | <del>0.162</del> | <del>4.11</del>  | <del>0.120</del> | <del>3.05</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| <del>92632-XXY</del> | <del>0.100</del> | <del>2.54</del>  | <del>0.318</del> | <del>8.08</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| <del>92909-XXY</del> | <del>0.400</del> | <del>10.16</del> | <del>0.220</del> | <del>5.59</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| <del>94099-XXY</del> | <del>0.157</del> | <del>3.99</del>  | <del>0.090</del> | <del>2.29</del> | <del>0.060</del> | <del>1.52</del> | <del>POLY BAGS</del> | OB           |
| 94529-XYHH           | 0.120            | 3.05             | 0.295            | 7.49            | 0.135            | 3.43            | POLY BAGS            | OB           |
| 94671-XYHH           | 0.090            | 2.29             | 0.085            | 2.16            | 0.180            | 4.57            | POLY BAGS            | OB           |
| 95653-XYHH           | 0.330            | 8.38             | 0.310            | 7.87            | 0.160            | 4.06            | POLY BAGS            | OB           |
| 95666-XYHH           | 0.230            | 5.84             | 0.145            | 3.68            | 0.060            | 1.52            | POLY BAGS            | OB           |
| 10089061-XXY         | 0.125            | 3.18             | 0.318            | 8.08            | 0.135            | 3.43            | POLY BAGS            | OB           |

|                                |  |                                       |             |                                  |  |                                                                                                     |  |                               |  |
|--------------------------------|--|---------------------------------------|-------------|----------------------------------|--|-----------------------------------------------------------------------------------------------------|--|-------------------------------|--|
| mat'l. code<br>SEE NOTES 2 & 3 |  | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |  | product family<br>BERGSTIK    |  |
| ltn ecn nodr date              |  | tolerances unless otherwise specified |             |                                  |  |                                                                                                     |  | title                         |  |
| BC                             |  | angles                                | linear      | XX±.01/XX±.03                    |  | INCH/MM                                                                                             |  | BERGSTIK® II HEADER           |  |
|                                |  | 0°±2°                                 |             | XXX±.005/XXX±0.13                |  | scale 2:1                                                                                           |  | .100/2.54cc SR R/A            |  |
|                                |  | dr                                    | T.BREWBAKER | 01/31/95                         |  |                |  | dwg no                        |  |
|                                |  | engr                                  | T.HANNA     | 01/31/95                         |  |                                                                                                     |  | sheet 4 of 4                  |  |
|                                |  | chr                                   | T.HANNA     | 01/31/95                         |  |                                                                                                     |  | size                          |  |
|                                |  | appd                                  | T.HANNA     | 01/31/95                         |  |                                                                                                     |  | A3                            |  |
| sheet index                    |  | revision sheet                        |             |                                  |  |                                                                                                     |  | type Product Customer Drawing |  |