

PRODUCT NUMBER

XXXXX-YYY HTLF

LEAD FREE OPTION  
SEE NOTE 1,8

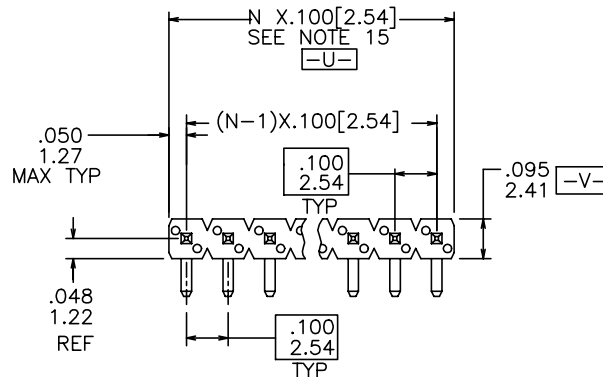
TUBE PACKAGING OPTION  
SEE NOTE 1

HIGH TEMPERATURE PLASTIC  
SEE NOTE 1

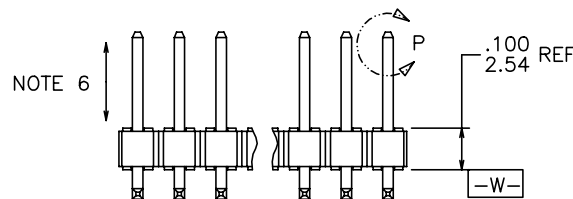
NO OF  
POSITIONS  
SEE NOTE 1

PIN PLATING  
SEE SHEET 2

BASE PART NO.



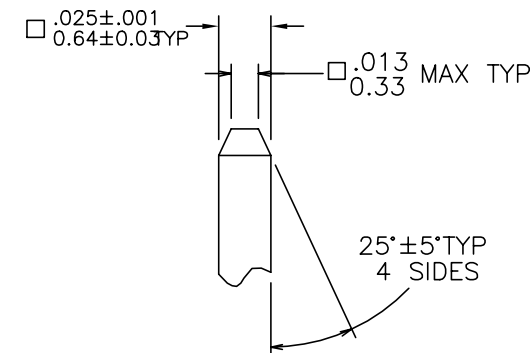
TOP VIEW



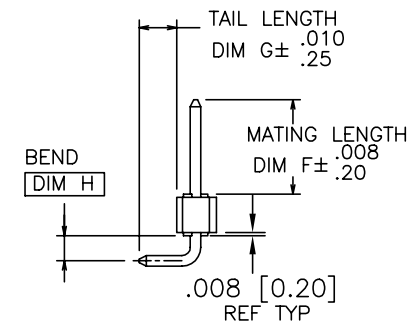
SIDE VIEW

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

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>INCH/MM                      |                               | product family<br>BERGSTIK |                                   |
| ltr ecn no dr                  |             | date                  |          | tolerances unless otherwise specified |             | title                                      |                               | BERGSTIK® II HEADER        |                                   |
| BB                             | ELX-N-16105 | ZK                    | 10/22/13 | angles                                | linear      | XX±.01/XX±0.3                              | scale 2:1                     |                            | .100/2.54cc SR R/A                |
| BC                             | ELX-N-16356 | ZK                    | 11/25/13 | 0°±2°                                 |             | XXX±.005/XXX±0.13<br>XXXX±.0020/XXXX±0.051 |                               |                            |                                   |
| AV                             | M08-0169    | MHT                   | 6/16/08  | dr                                    | T.BREWBAKER | 01/31/95                                   | FCI                           |                            | dwg no 68015 sheet 1 of 4 size A3 |
| AW                             | M08-0267    | MHT                   | 9/25/08  | engr                                  | T.HANNA     | 01/31/95                                   |                               |                            |                                   |
| 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           |                                            |                               |                            |                                   |

## 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 &amp; -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./date               | tolerances unless otherwise specified | angles<br>lineal<br>0°±2°        | scale 2:1             | title<br>BERGSTIK® II HEADER<br>.100/2.54cc SR R/A |
| BC                             |                                       | dr T.BREWBAKER 01/31/95          |                       | dwg no 68015 sheet 2 of 4 size A3                  |
|                                |                                       | enr T.HANNA 01/31/95             |                       |                                                    |
|                                |                                       | chr T.HANNA 01/31/95             |                       |                                                    |
|                                |                                       | app 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                        |  |
|                                |  |                       |  | engr                                  |  | T.HANNA 01/31/95                                                                                    |  | sheet 3 of 4                  |  |
|                                |  |                       |  | chr                                   |  | T.HANNA 01/31/95                                                                                    |  | size                          |  |
|                                |  |                       |  | appd                                  |  | T.HANNA 01/31/95                                                                                    |  | A3                            |  |
| sheet index                    |  | revision sheet        |  |                                       |  |                                                                                                     |  | type Product Customer Drawing |  |



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| 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-XXYH           | 0.140            | 3.56             | 0.290            | 7.37            | 0.153            | 3.89            | POLY BAGS            | OB           |
| 84917-XXYH           | 0.090            | 2.29             | 0.195            | 4.95            | 0.190            | 4.83            | POLY BAGS            | OB           |
| 84935-XXYH           | 0.450            | 11.43            | 0.320            | 8.13            | 0.260            | 6.60            | POLY BAGS            | OB           |
| 84936-XXYH           | 0.350            | 8.89             | 0.120            | 3.05            | 0.060            | 1.52            | POLY BAGS            | OB           |
| 87532-XXYH           | 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-XXYH           | 0.120            | 3.05             | 0.295            | 7.49            | 0.135            | 3.43            | POLY BAGS            | OB           |
| 94671-XXYH           | 0.090            | 2.29             | 0.085            | 2.16            | 0.180            | 4.57            | POLY BAGS            | OB           |
| 95653-XXYH           | 0.330            | 8.38             | 0.310            | 7.87            | 0.160            | 4.06            | POLY BAGS            | OB           |
| 95666-XXYH           | 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    |  |
| ltr ecn no dr date             |  | tolerances unless otherwise specified |  |                                                           |  |                |  | title                         |  |
| BC                             |  | angles                                |  | linear                                                    |  | INCH/MM        |  | BERGSTIK® II HEADER           |  |
|                                |  | 0°±2°                                 |  | XXX±.01/XXX.03<br>XXX±.005/XXX.013<br>XXX±.0020/XXX±0.051 |  | scale 2:1      |  | .100/2.54cc SR R/A            |  |
|                                |  | dr                                    |  | T.BREWBAKER                                               |  | 01/31/95       |  | dwg no sheet 4 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                        |  |                                                           |  |                |  |                               |  |