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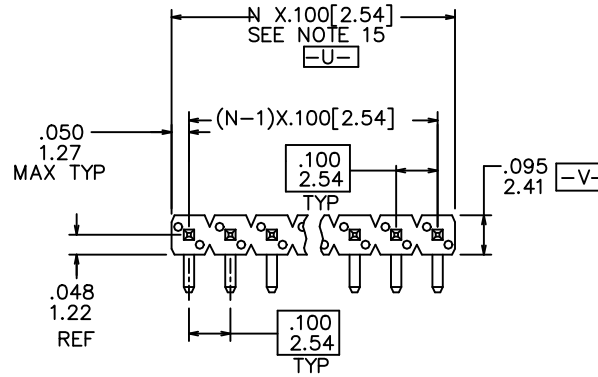
Amphenol  
FCI

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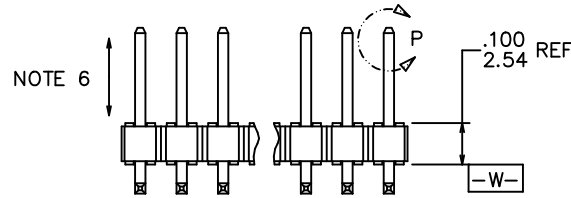
PRODUCT NUMBER

XXXXX-YYYH TLF

- LEAD FREE OPTION  
SEE NOTE 1,8
- 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.



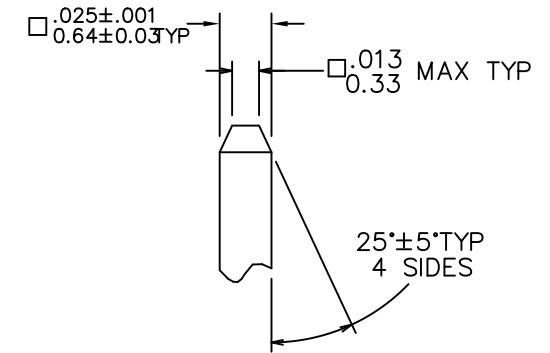
TOP VIEW



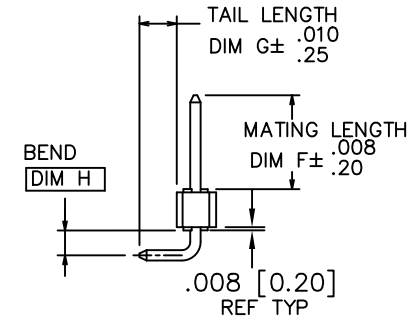
SIDE VIEW

Ø .020/0.51 (M) 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 2 THRU 36 POS. (SEE NOTE 1) BE
- 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  |             |          |          | surface  |                                       | tolerance |                    | projection      | product family                |  |
|--------------|-------------|----------|----------|----------|---------------------------------------|-----------|--------------------|-----------------|-------------------------------|--|
| SEE NOTE 2&3 |             |          |          | ISO 1302 | ISO 406                               | ISO 1101  |                    |                 | BERGSTIK                      |  |
| ltr          | ecr         | no       | dr       | date     | tolerances unless otherwise specified |           |                    | INCH/mm         | title                         |  |
| BA           | N11-0118    | J.Z      | 04/11/11 |          | angles                                | linear    | .xxx±0.01/.X±0.3   |                 | BERGSTIK® II HEADER           |  |
| BB           | ELX-N-16105 | ZK       | 10/22/13 |          |                                       |           | .xxx±0.005/.X±0.13 |                 | .100/2.54cc SR R/A            |  |
| BC           | ELX-N-16356 | ZK       | 11/25/13 |          | X'±2'                                 |           | .xxx±0.0020/±0.051 | scale 1:1       |                               |  |
| BD           | ELX-N-42692 | MK       | 11/03/21 | dr       | T.BREWBAKER                           |           | 01/31/95           | Amphenol<br>FCI | dwg no                        |  |
| BE           | ELX-N-48897 | JJ       | 08/01/23 | enr      | T.HANNA                               |           | 01/31/95           |                 | sheet 1 of 4                  |  |
|              |             |          |          | chr      | T.HANNA                               |           | 01/31/95           |                 | size                          |  |
|              |             |          |          | appd     | T.HANNA                               |           | 01/31/95           |                 | 68015                         |  |
| sheet        |             | revision |          | BE       | BE                                    | BE        | BE                 |                 | type Product Customer Drawing |  |
| index        |             | sheet    |          | 1        | 2                                     | 3         | 4                  |                 |                               |  |

PDS: Rev :BE

STATUS: Released

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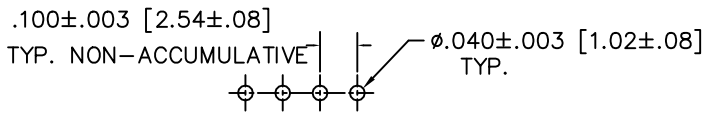
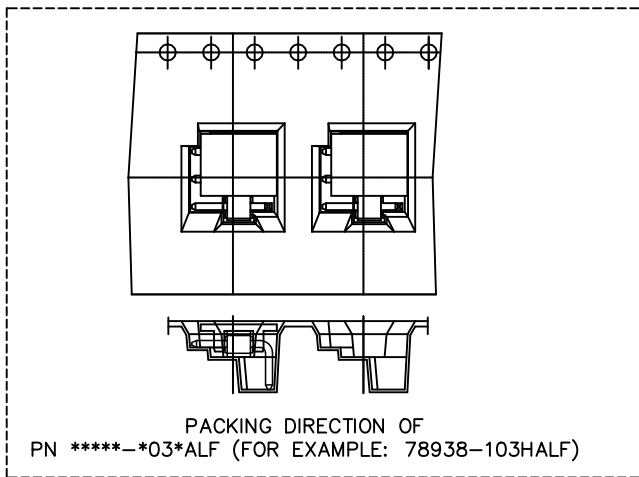
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| PIN PLATING CODES: |                                                         |
|--------------------|---------------------------------------------------------|
| XXXXX-1YY          | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-2YY          | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-3YY          | 50u"/1.27u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-4YY          | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 10) |
| XXXXX-4YYHLF       |                                                         |
| XXXXX-5YY          | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-6YY          | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-7YY          | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-8YY          | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-9YY          | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni      |
| XXXXX-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 2 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.  
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED IN TAPE & REEL WITH PICK UP CAP, COMMONLY CAP IS ASSEMBLED AT THE CENTER OF THE PRODUCT EXCEPT FOR THE PN \*\*\*\*\*-03\*ALF TO SEE RIGHT FIG.  
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 FIELED FLAME RETARDENT 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-XY-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 OAL DON'T EXCEED 31mm  
OAL= 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 PLASE CONTACT PRODUCT MANAGER FOR AVAILABILITY
14. BEND DIMENSIONS AT 1.5mm ONLY
15. TO DETERMINE DIMENSIONS:  
N=NUMBER OF POSITION PER ROW  
EXAMPLE: 10 PDS. N X .100/2.54



RECOMMENDED HOLE PATTERN

| mat'l. code  |          |    |    | surface  |                                       | tolerance   |                                                               | projection                                                                                                    | product family                |  |  |
|--------------|----------|----|----|----------|---------------------------------------|-------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------|--|--|
| SEE NOTE 2&3 |          |    |    | ISO 1302 | ISO 406                               | ISO 1101    |                                                               |                                                                                                               | BERGSTIK                      |  |  |
| ltr          | ecn      | no | dr | date     | tolerances unless otherwise specified |             |                                                               | <br>INCH/mm<br>scale 1:1 | title                         |  |  |
| BE           |          |    |    |          | angles                                | linear      | .xxx±0.01/.X±0.3<br>.xxx±0.005/.X0±0.13<br>.xxx±0.0020/±0.051 |                                                                                                               | BERGSTIK® II HEADER           |  |  |
|              |          |    |    |          | X"±2"                                 |             |                                                               |                                                                                                               | .100/2.54cc SR R/A            |  |  |
|              |          |    |    |          | dr                                    | T.BREWBAKER | 01/31/95                                                      |                                                                                                               | dwg no                        |  |  |
|              |          |    |    |          | enr                                   | T.HANNA     | 01/31/95                                                      | Amphenol<br>FCI                                                                                               | sheet2 of 4                   |  |  |
|              |          |    |    |          | chr                                   | T.HANNA     | 01/31/95                                                      |                                                                                                               | 68015                         |  |  |
|              |          |    |    |          | appd                                  | T.HANNA     | 01/31/95                                                      |                                                                                                               | type Product Customer Drawing |  |  |
| sheet        | revision |    |    |          |                                       |             |                                                               |                                                                                                               |                               |  |  |
| index        | sheet    |    |    |          |                                       |             |                                                               |                                                                                                               |                               |  |  |

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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          |                      |              |
| 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            |              |
| <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> |              |
| <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> |              |
| 68757-YYY            | 0.350            | 8.89             | 0.220            | 5.59             | 0.100            | 2.54            | POLY BAGS            | NOTE 1,8     |
| 68758-YYY            | 0.275            | 6.99             | 0.120            | 3.05             | 0.060            | 1.52            | POLY BAGS            |              |
| 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> |              |
| <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 NOTE 2&3 |     |                |    |      | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406 ISO 1101                                 |                                                                                                  | projection<br> |                                                    | product family<br>BERGSTIK |  |  |  |
| ltr                         | ecn | no             | dr | date | tolerances unless otherwise specified |             |                                                               | <br>INCH/mm |                                                                                                     | title<br>BERGSTIK® II HEADER<br>.100/2.54cc SR R/A |                            |  |  |  |
| BE                          |     |                |    |      | angles                                | linear      | .xxx±0.01/.X±0.3<br>.xxx±0.005/.X0±0.13<br>.xxx±0.0020/±0.051 |                                                                                                  |                                                                                                     |                                                    |                            |  |  |  |
|                             |     |                |    |      | X'±2'                                 |             |                                                               |                                                                                                  | scale 1:1                                                                                           |                                                    | dwg no<br>68015            |  |  |  |
|                             |     |                |    |      | dr                                    | T.BREWBAKER | 01/31/95                                                      |                                                                                                  |                                                                                                     |                                                    |                            |  |  |  |
|                             |     |                |    |      | enr                                   | T.HANNA     | 01/31/95                                                      | Amphenol<br>FCI                                                                                  |                                                                                                     | sheet3 of 4<br>size<br>A4                          |                            |  |  |  |
|                             |     |                |    |      | chr                                   | T.HANNA     | 01/31/95                                                      |                                                                                                  |                                                                                                     |                                                    |                            |  |  |  |
|                             |     |                |    |      | appd                                  | T.HANNA     | 01/31/95                                                      |                                                                                                  |                                                                                                     |                                                    |                            |  |  |  |
| 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 |           |              |
| 78234-XXX      | 0.230         | 5.84   | 0.140       | 3.56   | 0.160    | 4.06   | POLY BAGS | OB           |
| 78541-XXX      | 0.318         | 8.08   | 0.080       | 2.03   | 0.060    | 1.52   | POLY BAGS | OB           |
| 78587-XXX      |               |        | UNAVAILABLE |        |          |        |           |              |
| 78938-XXX      | 0.120         | 3.05   | 0.120       | 3.05   | 0.060    | 1.52   | POLY BAGS | NOTE 1,8     |
| 78955-XXX      | 0.075         | 1.91   | 0.090       | 2.29   | 0.060    | 1.52   | POLY BAGS | OB           |
| 78978-XXX      | 0.120         | 3.05   | 0.318       | 8.08   | 0.135    | 3.43   | POLY BAGS | OB           |
| 79409-XXX      |               |        | UNAVAILABLE |        |          |        |           |              |
| 84846-XXX      | 0.140         | 3.56   | 0.290       | 7.37   | 0.153    | 3.89   | POLY BAGS | OB           |
| 84917-XXX      | 0.090         | 2.29   | 0.195       | 4.95   | 0.190    | 4.83   | POLY BAGS | OB           |
| 84935-XXX      | 0.450         | 11.43  | 0.320       | 8.13   | 0.260    | 6.60   | POLY BAGS | OB           |
| 84936-XXX      | 0.350         | 8.89   | 0.120       | 3.05   | 0.060    | 1.52   | POLY BAGS | OB           |
| 87532-XXX      | 0.230         | 5.84   | 0.890       | 22.61  | 0.060    | 1.52   | POLY BAGS | OB           |
| 88813-XXX      | 0.230         | 5.84   | 0.085       | 2.16   | 0.060    | 1.52   | POLY BAGS | OB           |
| 92050-XXX      | 0.162         | 4.11   | 0.120       | 3.05   | 0.060    | 1.52   | POLY BAGS | OB           |
| 92632-XXX      | 0.100         | 2.54   | 0.318       | 8.08   | 0.060    | 1.52   | POLY BAGS | OB           |
| 92909-XXX      | 0.400         | 10.16  | 0.220       | 5.59   | 0.060    | 1.52   | POLY BAGS | OB           |
| 94099-XXX      | 0.157         | 3.99   | 0.090       | 2.29   | 0.060    | 1.52   | POLY BAGS | OB           |
| 94529-XXX      | 0.120         | 3.05   | 0.295       | 7.49   | 0.135    | 3.43   | POLY BAGS | OB           |
| 94671-XXX      | 0.090         | 2.29   | 0.085       | 2.16   | 0.180    | 4.57   | POLY BAGS | OB           |
| 95653-XXX      | 0.330         | 8.38   | 0.310       | 7.87   | 0.160    | 4.06   | POLY BAGS | OB           |
| 95666-XXX      | 0.230         | 5.84   | 0.145       | 3.68   | 0.060    | 1.52   | POLY BAGS | OB           |
| 10089061-XXX   | 0.125         | 3.18   | 0.318       | 8.08   | 0.135    | 3.43   | POLY BAGS | OB           |

|                             |    |                |    |      |                                       |             |                                                                     |                                                                                                  |                                                                                                     |                                                    |                            |            |  |
|-----------------------------|----|----------------|----|------|---------------------------------------|-------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------|--|
| mat'l. code<br>SEE NOTE 2&3 |    |                |    |      | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406 ISO 1101                                       |                                                                                                  | projection<br> |                                                    | product family<br>BERGSTIK |            |  |
| ltr                         | ec | no             | dr | date | tolerances unless otherwise specified |             |                                                                     | <br>INCH/mm |                                                                                                     | title<br>BERGSTIK® II HEADER<br>.100/2.54cc SR R/A |                            |            |  |
| BE                          |    |                |    |      | angles                                | linear      | .xxx±0.01/.X±0.3<br>.xxx±0.005/.X0±0.13<br>X'±2' .xxx±0.0020/±0.051 |                                                                                                  |                                                                                                     | dwg no<br>68015                                    |                            |            |  |
|                             |    |                |    |      | dr                                    | T.BREWBAKER | 01/31/95                                                            | Amphenol<br>FCi                                                                                  |                                                                                                     | sheet4 of 4                                        |                            | size<br>A4 |  |
|                             |    |                |    |      | enr                                   | T.HANNA     | 01/31/95                                                            |                                                                                                  |                                                                                                     | type Product Customer Drawing                      |                            |            |  |
|                             |    |                |    |      | chr                                   | T.HANNA     | 01/31/95                                                            |                                                                                                  |                                                                                                     |                                                    |                            |            |  |
|                             |    |                |    |      | appd                                  | T.HANNA     | 01/31/95                                                            |                                                                                                  |                                                                                                     |                                                    |                            |            |  |
| sheet index                 |    | revision sheet |    |      |                                       |             |                                                                     |                                                                                                  |                                                                                                     |                                                    |                            |            |  |