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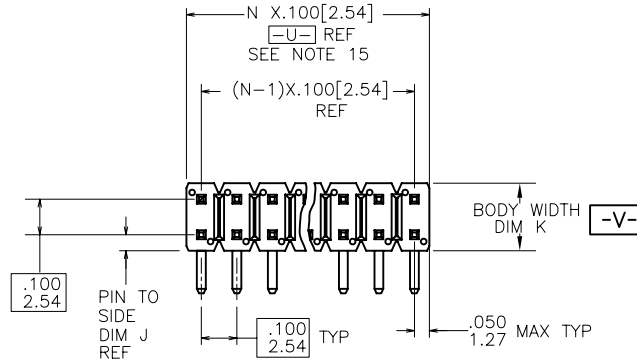
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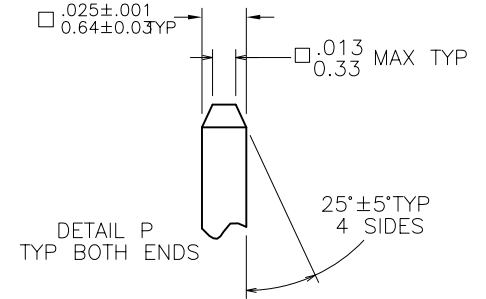
PRODUCT NUMBER  
XXXXX-YYY HTLF

- 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.



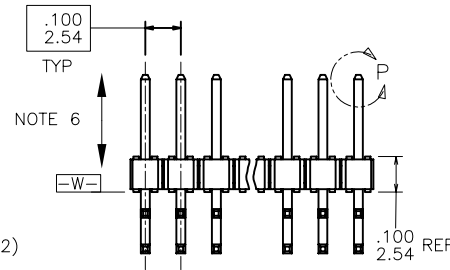
TOP VIEW

⌀ .020/.51 (M) U (M) V W  
NOTE 4

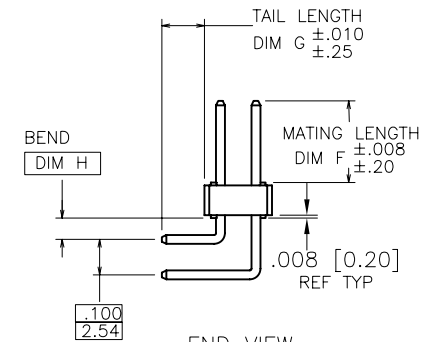


68020-X XX-XXX XXX LF

- 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(2X1) THRU 72 (2X36) POSITIONS
- PIN PLATING (SEE NOTE 9)  
1=0.76µm Au  
4= PURE TIN  
8=0.36µm Au
- BASE PART NO.



SIDE VIEW



END VIEW



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|                                                                                       |             |          |                                                          |        |                                                                                                     |                      |                                                                                                  |    |                |  |
|---------------------------------------------------------------------------------------|-------------|----------|----------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------|----|----------------|--|
| www.fciconnect.com                                                                    |             |          | surface 6.4 / tolerance std<br>ISO 1302 ISO 406 ISO 1101 |        | projection<br> |                      | INCH/MM<br> |    |                |  |
|                                                                                       |             |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                    |        |                                                                                                     |                      |                                                                                                  |    |                |  |
| Dr                                                                                    | D.WIHTING   | 03/08/93 | ANGULAR                                                  | LINEAR | 0.X                                                                                                 | ±0.3                 | size                                                                                             | A4 | Scale<br>1.000 |  |
| Eng                                                                                   | T.HANNA     | 03/08/93 |                                                          |        | 0.XX                                                                                                | ±0.15                |                                                                                                  |    |                |  |
| Chr                                                                                   | T.BREWNAKER | 03/08/93 | 0° ±2°                                                   |        | 0.XXX                                                                                               | ±0.05                | ECN                                                                                              |    |                |  |
| Appr                                                                                  | T.HANNA     | 03/08/93 | Product family BERGSTIK                                  |        |                                                                                                     | Spec ref             |                                                                                                  |    |                |  |
|  |             |          | title BERGSTIK® II HEADER<br>.100/2.54cc DR R/A          |        |                                                                                                     | dwg no 68020         |                                                                                                  |    | Rev.<br>BM     |  |
|                                                                                       |             |          | catalog no                                               |        |                                                                                                     | Product-Customer Drw |                                                                                                  |    | sheet 1 of 5   |  |

| rev | ecn no      | dr  | date       |
|-----|-------------|-----|------------|
| BK  | ELX-N-16105 | ZK  | 2013-10-22 |
| BL  | ELX-N-19718 | JH  | 2014-12-11 |
| BM  | ELX-N-20595 | JH  | 2015-03-30 |
| BG  | M08-0331    | MHT | 12/01/08   |
| BH  | M09-0105    | MHT | 7/10/09    |
| BJ  | N11-0118    | JZ  | 2011-04-12 |

REV F - 2006-04-17

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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:

EVEN NUMBER OF POSITIONS FROM 2 (2X1) THRU 72 (2X36).

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, PCT GLASS FIBER REINFORCED, OR MINERAL FILLED LCP 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 OAL DON'T EXCEED 31mm

OAL= MATTING DIM + TAIL DIM +4.0mm<=31mm \*WHERE THE SUM OF TAIL LEGTH DON'T EXCEED 27mm\* TAIL  
TAIL LENGTH MIN 2.00mm TAIL LENGTH MAX 10.4mm  
MATTING LENGTH MIN 1.5mm MATTING LENGTH MAX 25.4mm

## ⑫. INCREMENTS BY 0.1mm IN LENGTH ONLY

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

14. BEND DIMENSION AT 1.5mm ONLY

## ⑮. TO DETERMINE DIMENSIONS:

N=NUMBER OF POSITION PER ROW  
EXAMPLE: 10 PDS. N X .100/2.54.100±.003 [2.54±.08]  
TYP. NON-ACCUMULATIVE  
Ø.040±.003 [1.02±.08]  
TYP.

.100±.003 [2.54±.08]

RECOMMENDED HOLE PATTERN

|                                       |             |          |                       |                                           |                  |                                   |
|---------------------------------------|-------------|----------|-----------------------|-------------------------------------------|------------------|-----------------------------------|
| www.fciconnect.com                    |             |          | surface<br>ISO 1302 ✓ | tolerance std<br>ISO 406 ISO 1101         | projection<br>A4 | INCH/MM                           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |             |          | size                  |                                           |                  |                                   |
| Dr                                    | D.WIHTING   | 03/08/93 | ANGULAR               | 0.X                                       | ±0.3             | Scale 1.000                       |
| Eng                                   | T.HANNA     | 03/08/93 | LINEAR                | 0.XX                                      | ±0.15            |                                   |
| Chr                                   | T.BREWNAKER | 03/08/93 | 0° ±2°                | 0.XXX                                     | ±0.05            | ECN                               |
| Appr                                  | T.HANNA     | 03/08/93 | Product family        | BERGSTIK                                  | Spec ref         |                                   |
| FCI                                   |             |          | title                 | BERGSTIK® II HEADER<br>.100/2.54cc DR R/A |                  | Rev. BM                           |
| catalog no                            |             |          | dwg no                | 68020                                     |                  | Product-Customer Drw sheet 2 of 5 |





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| PRODUCT NUMBER        | MATING LENGTH    |                  | TAIL LENGTH      |                 | BEND DIM.        |                 | PIN TO SIDE      |                 | BODY WIDTH       |                 | PACKAGING            | LF<br>OPTION      |
|-----------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|----------------------|-------------------|
|                       | DIM F            | DIM F            | DIM G            | DIM G           | DIM H            | DIM H           | DIM J            | DIM J           | DIM K            | DIM K           |                      |                   |
|                       | ENGLISH          | METRIC           | ENGLISH          | METRIC          | ENGLISH          | METRIC          | ENGLISH          | METRIC          | ENGLISH          | METRIC          |                      |                   |
| 68020-YYY             | 0.230            | 5.84             | 0.095            | 2.41            | 0.060            | 1.52            | 0.045            | 1.14            | 0.190            | 4.83            | POLY BAGS/TUBES      | NOTE 1,8<br><br>↓ |
| 68021-YYY             | 0.230            | 5.84             | 0.120            | 3.05            | 0.060            | 1.52            | 0.045            | 1.14            | 0.190            | 4.83            | POLY BAGS            |                   |
| 68022-YYY             | 0.318            | 8.08             | 0.110            | 2.79            | 0.060            | 1.52            | 0.070            | 1.78            | 0.240            | 6.10            | POLY BAGS            |                   |
| 68025-YYY             | 0.230            | 5.84             | 0.195            | 4.95            | 0.060            | 1.52            | 0.045            | 1.14            | 0.190            | 4.83            | POLY BAGS            |                   |
| 68405-YYY             | 0.230            | 5.84             | 0.095            | 2.41            | 0.060            | 1.52            | 0.070            | 1.78            | 0.240            | 6.10            | POLY BAGS            |                   |
| <del>68452-YYY</del>  | <del>0.380</del> | <del>9.65</del>  | <del>0.110</del> | <del>2.79</del> | <del>0.060</del> | <del>1.52</del> | <del>0.070</del> | <del>1.78</del> | <del>0.240</del> | <del>6.10</del> | <del>POLY BAGS</del> |                   |
| 68459-YYY             | 0.318            | 8.08             | 0.150            | 3.81            | 0.060            | 1.52            | 0.070            | 1.78            | 0.240            | 6.10            | POLY BAGS/TUBES      |                   |
| <del>68462-YYY</del>  | <del>0.400</del> | <del>10.16</del> | <del>0.120</del> | <del>3.05</del> | <del>0.060</del> | <del>1.52</del> | <del>0.045</del> | <del>1.14</del> | <del>0.190</del> | <del>4.83</del> | <del>POLY BAGS</del> |                   |
| <del>68463-YYY</del>  | <del>0.230</del> | <del>5.84</del>  | <del>0.110</del> | <del>2.79</del> | <del>0.060</del> | <del>1.52</del> | <del>0.070</del> | <del>1.78</del> | <del>0.240</del> | <del>6.10</del> | <del>POLY BAGS</del> |                   |
| 68480-YYY             | 0.318            | 8.08             | 0.110            | 2.79            | 0.060            | 1.52            | 0.045            | 1.14            | 0.190            | 4.83            | POLY BAGS            |                   |
| 68492-YYY             | 0.230            | 5.84             | 0.150            | 3.81            | 0.060            | 1.52            | 0.070            | 1.78            | 0.240            | 6.10            | POLY BAGS            |                   |
| 68493-YYY             |                  |                  |                  |                 |                  |                 |                  |                 |                  |                 |                      |                   |
| 68695-YYY             | 0.230            | 5.84             | 0.090            | 2.29            | 0.060            | 1.52            | 0.045            | 1.14            | 0.190            | 4.83            | POLY BAGS            |                   |
| <del>68696-YYY</del>  | <del>0.318</del> | <del>8.08</del>  | <del>0.125</del> | <del>3.18</del> | <del>0.060</del> | <del>1.52</del> | <del>0.045</del> | <del>1.14</del> | <del>0.190</del> | <del>4.83</del> | <del>POLY BAGS</del> |                   |
| 68697-YYY             | 0.230            | 5.84             | 0.125            | 3.18            | 0.060            | 1.52            | 0.045            | 1.14            | 0.190            | 4.83            | POLY BAGS            |                   |
| 68715-YYY             | 0.138            | 3.51             | 0.138            | 3.51            | 0.060            | 1.52            | 0.045            | 1.14            | 0.190            | 4.83            | POLY BAGS            |                   |
| 68728-YYY             |                  |                  |                  |                 |                  |                 |                  |                 |                  |                 |                      |                   |
| <del>68740-YYY</del>  | <del>0.345</del> | <del>8.76</del>  | <del>0.110</del> | <del>2.79</del> | <del>0.060</del> | <del>1.52</del> | <del>0.070</del> | <del>1.78</del> | <del>0.240</del> | <del>6.10</del> | <del>POLY BAGS</del> |                   |
| <del>68759-YYY</del>  | <del>0.275</del> | <del>6.99</del>  | <del>0.120</del> | <del>3.05</del> | <del>0.060</del> | <del>1.52</del> | <del>0.045</del> | <del>1.14</del> | <del>0.190</del> | <del>4.83</del> | <del>POLY BAGS</del> |                   |
| <del>68780-YYY</del>  | <del>0.230</del> | <del>5.84</del>  | <del>0.039</del> | <del>0.99</del> | <del>0.060</del> | <del>1.52</del> | <del>0.045</del> | <del>1.14</del> | <del>0.190</del> | <del>4.83</del> | <del>POLY BAGS</del> |                   |
| <del>69147-YYY</del>  | <del>0.540</del> | <del>13.72</del> | <del>0.260</del> | <del>6.60</del> | <del>0.060</del> | <del>1.52</del> | <del>0.045</del> | <del>1.14</del> | <del>0.190</del> | <del>4.83</del> | <del>POLY BAGS</del> |                   |
| 69186-YYY             |                  |                  |                  |                 |                  |                 |                  |                 |                  |                 |                      | NOTE 1,8          |
| <del>72240-YYYH</del> | <del>0.550</del> | <del>13.97</del> | <del>0.120</del> | <del>3.05</del> | <del>0.060</del> | <del>1.52</del> | <del>0.070</del> | <del>1.78</del> | <del>0.240</del> | <del>6.10</del> | <del>POLY BAGS</del> |                   |
| <del>72261-YYYH</del> | <del>0.100</del> | <del>2.54</del>  | <del>0.100</del> | <del>2.54</del> | <del>0.060</del> | <del>1.52</del> | <del>0.045</del> | <del>1.14</del> | <del>0.190</del> | <del>4.83</del> | <del>POLY BAGS</del> |                   |
| <del>72324-YYYH</del> | <del>0.550</del> | <del>13.97</del> | <del>0.260</del> | <del>6.60</del> | <del>0.060</del> | <del>1.52</del> | <del>0.070</del> | <del>1.78</del> | <del>0.240</del> | <del>6.10</del> | <del>POLY BAGS</del> |                   |
| <del>72410-YYYH</del> | <del>0.120</del> | <del>3.05</del>  | <del>0.350</del> | <del>8.89</del> | <del>0.120</del> | <del>3.05</del> | <del>0.070</del> | <del>1.78</del> | <del>0.240</del> | <del>6.10</del> | <del>POLY BAGS</del> |                   |
| <del>74430-YYYH</del> | <del>0.000</del> | <del>0.00</del>  | <del>0.233</del> | <del>5.92</del> | <del>0.060</del> | <del>1.52</del> | <del>0.045</del> | <del>1.14</del> | <del>0.190</del> | <del>4.83</del> | <del>POLY BAGS</del> |                   |

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|                                                                                       |             |            |                                       |     |                                   |  |                                                                                                     |          |                                                                                                  |                |  |                      |  |            |  |              |  |
|---------------------------------------------------------------------------------------|-------------|------------|---------------------------------------|-----|-----------------------------------|--|-----------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------|----------------|--|----------------------|--|------------|--|--------------|--|
| www.fciconnect.com                                                                    |             |            | surface<br>ISO 1302 ✓                 |     | tolerance std<br>ISO 406 ISO 1101 |  | projection<br> |          | INCH/MM<br> |                |  |                      |  |            |  |              |  |
|                                                                                       |             |            | TOLERANCES UNLESS OTHERWISE SPECIFIED |     |                                   |  |                                                                                                     |          |                                                                                                  |                |  |                      |  |            |  |              |  |
| Dr                                                                                    | D.WIHTING   | 03/08/93   | ANGULAR                               |     | LINEAR                            |  | 0.X                                                                                                 | ±0.3     | size<br>A4                                                                                       | Scale<br>1.000 |  |                      |  |            |  |              |  |
| Eng                                                                                   | T.HANNA     | 03/08/93   |                                       |     |                                   |  | 0.XX                                                                                                | ±0.15    |                                                                                                  |                |  |                      |  |            |  |              |  |
| Chr                                                                                   | T.BREWNAKER | 03/08/93   | 0°                                    | ±2° | 0.XXX                             |  | ±0.05                                                                                               |          | ECN                                                                                              |                |  |                      |  |            |  |              |  |
| Appr                                                                                  | T.HANNA     | 03/08/93   | Product family                        |     |                                   |  |                                                                                                     | BERGSTIK |                                                                                                  | Spec ref       |  |                      |  |            |  |              |  |
|  |             | title      |                                       |     |                                   |  | BERGSTIK® II HEADER                                                                                 |          |                                                                                                  |                |  | no<br>68020          |  | Rev.<br>BM |  |              |  |
|                                                                                       |             |            |                                       |     |                                   |  | .100/2.54cc DR R/A                                                                                  |          |                                                                                                  |                |  |                      |  |            |  |              |  |
|                                                                                       |             | catalog no |                                       |     |                                   |  |                                                                                                     |          |                                                                                                  |                |  | Product-Customer Drw |  |            |  | sheet 3 of 5 |  |
|                                                                                       |             |            |                                       |     |                                   |  |                                                                                                     |          |                                                                                                  |                |  |                      |  |            |  |              |  |



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| PRODUCT NUMBER     | MATING LENGTH | TAIL LENGTH | BEND DIM. | PIN TO SIDE | BODY WIDTH |        | LF      |        |         |        |             |         |
|--------------------|---------------|-------------|-----------|-------------|------------|--------|---------|--------|---------|--------|-------------|---------|
|                    | DIM F         | DIM F       | DIM G     | DIM G       | DIM H      | DIM H  | DIM J   | DIM J  | DIM K   | DIM K  | PACKAGING   | OPTION  |
|                    | ENGLISH       | METRIC      | ENGLISH   | METRIC      | ENGLISH    | METRIC | ENGLISH | METRIC | ENGLISH | METRIC |             |         |
| 95035-XYH          | 0.230         | 5.84        | 0.400     | 10.16       | 0.060      | 1.52   | 0.045   | 1.14   | 0.190   | 4.83   | -POLY BAGS- | OB      |
| 95182-XYH          | 0.400         | 10.16       | 0.110     | 2.79        | 0.060      | 1.52   | 0.070   | 1.78   | 0.240   | 6.10   | -POLY BAGS- | OB NOTE |
| 98358-XYH          | 0.205         | 5.21        | 0.410     | 10.41       | 0.060      | 1.52   | 0.070   | 1.78   | 0.240   | 6.10   | -POLY BAGS- | OB 1,8  |
| 98359-XYH          | 0.275         | 6.99        | 0.410     | 10.41       | 0.060      | 1.52   | 0.070   | 1.78   | 0.240   | 6.10   | -POLY BAGS- | OB      |
| 68020-144-095030LF | .374          | 9.50        | 0.118     | 3.00        | 0.060      | 1.52   | 0.070   | 1.78   | 0.240   | 6.10   | POLY BAGS   |         |

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|--------------------|-------------|----------|---------------------------------------|--|-----------------------------------|--|---------------------|-------|--------------|-------|
| www.fciconnect.com |             |          | surface<br>ISO 1302 ✓                 |  | tolerance std<br>ISO 406 ISO 1101 |  | projection<br>A4    |       | INCH/MM      |       |
|                    |             |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |                                   |  |                     |       |              |       |
| Dr                 | D.WIHTING   | 03/08/93 | ANGULAR                               |  | LINEAR                            |  | 0.X                 | ±0.3  | size         | Scale |
| Eng                | T.HANNA     | 03/08/93 |                                       |  |                                   |  | 0.XX                | ±0.15 | A4           | 1.000 |
| Chr                | T.BREWNAKER | 03/08/93 | 0° ±2°                                |  |                                   |  | 0.XXX               | ±0.05 | ECN          |       |
| Appr               | T.HANNA     | 03/08/93 | Product family                        |  |                                   |  | BERGSTIK            |       | Spec ref     |       |
| FCI                |             |          | title                                 |  |                                   |  | BERGSTIK® II HEADER |       | Rev.         |       |
|                    |             |          | catalog no                            |  |                                   |  | .100/2.54cc DR R/A  |       | BM           |       |
|                    |             |          |                                       |  |                                   |  | 68020               |       | sheet 5 of 5 |       |

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REV F - 006-04-17

PDS: Rev :BM STATUS:Released Printed: Apr 09, 2015