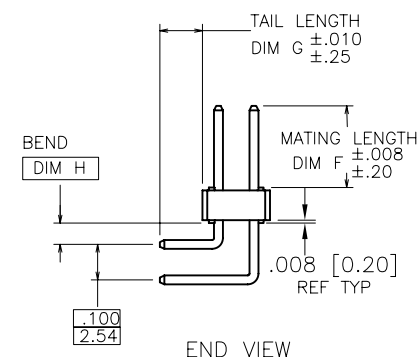
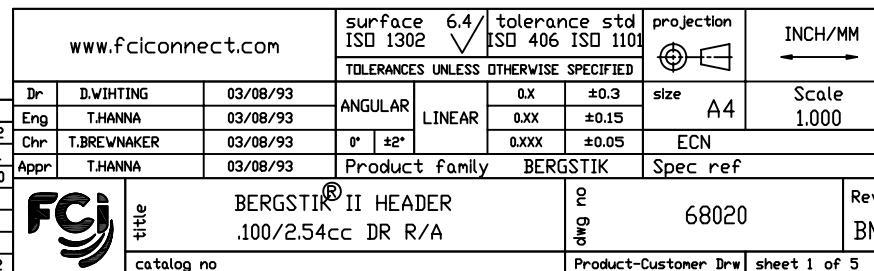


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— BASE PART NO.



- BASE PART NO.



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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                            |             |          | q<br>dwg              | 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>↓ |
| 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             |                  |                  |                  | UNAVAILABLE     |                  |                 |                  |                 |                  |                 |                      |               |
| 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             |                  |                  |                  | UNAVAILABLE     |                  |                 |                  |                 |                  |                 |                      |               |
| <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             |                  |                  |                  | UNAVAILABLE     |                  |                 |                  |                 |                  |                 |                      | 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 <input checked="" type="checkbox"/> |  | 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                                                                                             |  |              |  |  |  |
| Eng                                                                                   | T.HANNA     | 03/08/93 |                                                         |  |                                   |  | 0.XX                                                                                                |  | ±0.15                                                                                            |  |              |  |  |  |
| Chr                                                                                   | T.BREWNAKER | 03/08/93 | 0°                                                      |  | ±2°                               |  | 0.XXX                                                                                               |  | ±0.05                                                                                            |  |              |  |  |  |
| Appr                                                                                  | T.HANNA     | 03/08/93 | Product family                                          |  |                                   |  | BERGSTIK                                                                                            |  | ECN                                                                                              |  |              |  |  |  |
|                                                                                       |             |          | Spec ref                                                |  |                                   |  |                                                                                                     |  |                                                                                                  |  |              |  |  |  |
|  |             |          | title                                                   |  |                                   |  | BERGSTIK® II HEADER                                                                                 |  |                                                                                                  |  | no           |  |  |  |
|                                                                                       |             |          |                                                         |  |                                   |  | .100/2.54cc DR R/A                                                                                  |  |                                                                                                  |  | 68020        |  |  |  |
|                                                                                       |             |          | Rev.                                                    |  |                                   |  | BM                                                                                                  |  |                                                                                                  |  |              |  |  |  |
| 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 |        | 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 |                 |              |
| 78576-XXX      | 0.120         | 3.05   | 0.120       | 3.05                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 78923-XXX      | 0.240         | 6.10   | 0.095       | 2.41                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 78951-XXX      | 0.500         | 12.70  | 0.120       | 3.05                  | 0.060     | 1.52   | 0.045       | 1.14   | 0.190      | 4.83   | -POLY BAGS-     | OB           |
| 79200-XXX      | 0.155         | 3.94   | 0.280       | 7.11                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 79201-XXX      | 0.225         | 5.72   | 0.280       | 7.11                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 79202-XXX      | 0.245         | 6.22   | 0.280       | 7.11                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 79203-XXX      | 0.315         | 8.00   | 0.280       | 7.11                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 79204-XXX      | 0.177         | 4.50   | 0.410       | 10.41                 | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 79205-XXX      | 0.25          | 6.35   | 0.410       | 10.41                 | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 79206-XXX      | 0.315         | 8.00   | 0.410       | 10.41                 | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 79248-XXX      |               |        |             | U N A V A I L A B L E |           |        |             |        |            |        |                 | NOTE 1,8     |
| 79257-XXX      | 0.230         | 5.84   | 0.120       | 3.05                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | POLY BAGS/TUBES |              |
| 79258-XXX      | 0.318         | 8.08   | 0.120       | 3.05                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | POLY BAGS/TUBES |              |
| 79807-XXX      |               |        |             | U N A V A I L A B L E |           |        |             |        |            |        |                 |              |
| 79841-XXX      | 0.060         | 1.52   | 0.230       | 5.84                  | 0.060     | 1.52   | 0.045       | 1.14   | 0.190      | 4.83   | -POLY BAGS-     | OB           |
| 86385-XXX      | 0.260         | 6.6    | 0.120       | 3.05                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 86840-XXX      | 0.318         | 8.08   | 0.230       | 5.84                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | POLY BAGS       |              |
| 86867-XXX      |               |        |             | U N A V A I L A B L E |           |        |             |        |            |        |                 |              |
| 88822-XXX      | 0.318         | 8.08   | 0.080       | 2.03                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 89292-XXX      | 0.120         | 3.05   | 0.300       | 7.62                  | 0.120     | 3.05   | 0.045       | 1.14   | 0.190      | 4.83   | -POLY BAGS-     | OB           |
| 90234-XXX      | 0.130         | 3.30   | 0.195       | 4.95                  | 0.060     | 1.52   | 0.045       | 1.14   | 0.190      | 4.83   | -POLY BAGS-     | OB           |
| 92634-XXX      | 0.318         | 8.08   | 0.318       | 8.08                  | 0.060     | 1.52   | 0.045       | 1.14   | 0.190      | 4.83   | POLY BAGS       |              |
| 93162-XXX      | 0.230         | 5.84   | 0.400       | 10.16                 | 0.150     | 3.81   | 0.045       | 1.14   | 0.190      | 4.83   | -POLY BAGS-     | OB           |
| 93932-XXX      | 0.200         | 5.08   | 0.120       | 3.05                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |
| 93939-XXX      | 0.160         | 4.06   | 0.120       | 3.05                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | POLY BAGS       | NOTE 1,8     |
| 94687-XXX      | 0.430         | 10.92  | 0.230       | 5.84                  | 0.060     | 1.52   | 0.045       | 1.14   | 0.190      | 4.83   | -POLY BAGS-     | OB           |
| 94688-XXX      | 0.385         | 9.78   | 0.280       | 7.11                  | 0.060     | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | -POLY BAGS-     | OB           |



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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<br>BERGSTIK® II HEADER<br>.100/2.54cc DR R/A |          |                                       |        |                                   | o<br>b<br>w<br>68020 |                                                                                                     |                | Rev.<br>BM                                                                                       |  |
|                                                                                       | catalog no                                         |          |                                       |        |                                   | Product-Customer Drw |                                                                                                     |                | sheet 4 of 5                                                                                     |  |

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