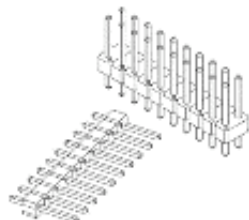


**68000-109HLF - BergStik® :**  
**Unshrouded Header, Through**  
**Hole, Single Row, 9 Positions,**  
**2.54 mm Pitch, Vertical, 5.84**  
**mm (0.23 in.) Mating, 2.41 mm**  
**(0.095 in.) Tail**



[www.fci.com](http://www.fci.com)



## Mating Half

- 75915-309LF
- 76341-309LF
- 91601-309LF
- 71607-309LF

## Specifications

### General

|                              |                |
|------------------------------|----------------|
| Number of contacts (per row) | 9              |
| Number of contacts (Total)   | 9              |
| Number of rows               | 1              |
| Orientation                  | Vertical       |
| Packaging                    | Bulk Packaging |
| Attachment type (Board)      | Through Hole   |
| Series Number                | 68000          |

### Dimensional

|                      |                     |
|----------------------|---------------------|
| Length (Mating pin)  | 5.84 mm (0.23 in.)  |
| Length (Overall pin) | 10.8 mm (0.425 in.) |
| Length (Tail)        | 2.41 mm (0.095 in.) |

### Electrical

|                         |                  |
|-------------------------|------------------|
| Current rating          | 3 amp Continuous |
| Resistance (Insulation) | 5000 M-ohms      |
| Voltage rating          | 1500V AC rms     |

### Mechanical

|                 |               |
|-----------------|---------------|
| Retention force | 8.88N (2 lbf) |
|-----------------|---------------|

### Mounting

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Retention feature (Board) | No                                                                   |
| Solder process            | Vapor-phase<br>IR Reflow Soldering Processes<br>Compatible with Wave |

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| <b>Physical</b>                   |                                       |
| <b>Color (Housing)</b>            | Black                                 |
| <b>Material (Contact)</b>         | Phospor Bronze                        |
| <b>Material (Housing)</b>         | High Temperature Black Thermoplastic  |
| <b>Plating (Contact area)</b>     | 0.76 µm (30 µin.) Gold or GXT         |
| <b>Plating (Tail)</b>             | 0.76 µm (30 µin.) Gold or GXT, or Tin |
| <b>Underplating (Contact)</b>     | 1.27 µm (50 µin.) Nickel              |
| <b>Flammability rating</b>        | UL 94 V-0                             |
| <b>Temperature (Range)</b>        | -65°C to +125°C                       |
| <b>Approvals / Certifications</b> |                                       |
| <b>UL File Number</b>             | E66906                                |
| <b>CSA File Number</b>            | LR46923                               |
| <b>Approvals / Certifications</b> | UL and CSA Approved                   |
| <b>Other Features</b>             |                                       |
| <b>Comments</b>                   | Sample Kit 950501-016                 |
| <b>Literature</b>                 | 950559-001                            |

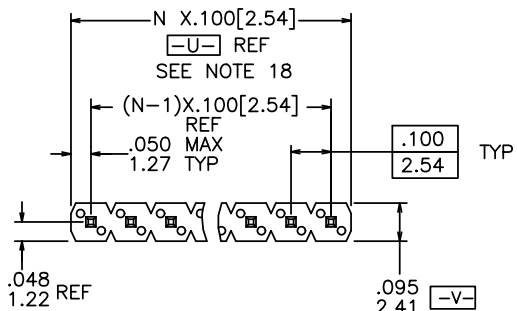
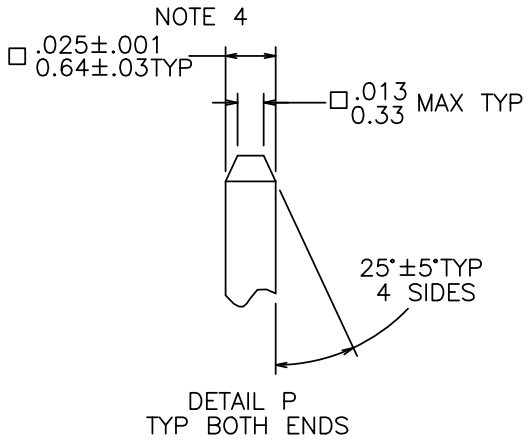


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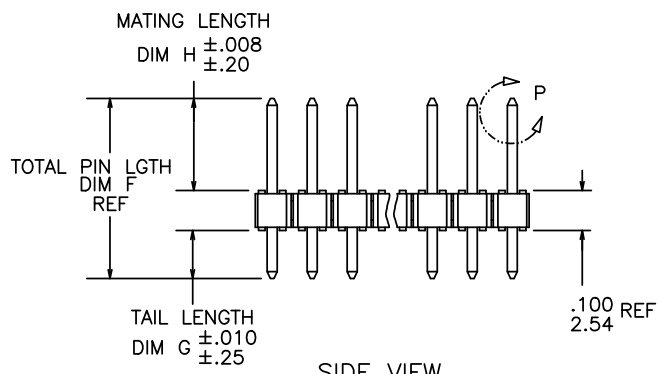
PRODUCT NUMBER  
XXXXX-YYY HT L F  
LEAD FREE OPTION  
(SEE NOTES 1)  
PACKAGING OPTIONS  
(SEE NOTE 1)  
HIGH TEMPERATURE PLASTIC  
(SEE NOTE 1)  
NO OF  
POSITIONS  
(SEE NOTE 1)  
PIN PLATING  
(SEE SHEET 2)  
BASE PART NO.

68000-X XX-XXX XXX LF  
TAIL LENGTH (EXAMPLE BELOW)  
3.0mm=030 12.8mm=128 (SEE NOTE 15 & 16)  
MATTING LENGTH (EXAMPLE BELOW)  
5.0mm=050 25.5mm=255 (SEE NOTE 15 & 16)  
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.

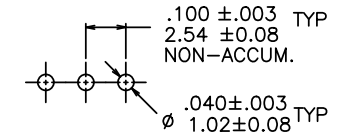
Φ .020/.51 (M) U (M) V (S)



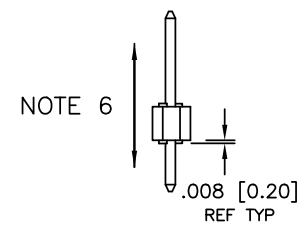
TOP VIEW



SIDE VIEW



RECOMMENDED HOLE PATTERN



END VIEW

NOTE 6

|                                       |             |          |                         |                                   |                        |                  |
|---------------------------------------|-------------|----------|-------------------------|-----------------------------------|------------------------|------------------|
| www.fciconnect.com                    |             |          | surface 6.4<br>ISO 1302 | tolerance std<br>ISO 406 ISO 1101 | projection<br>ISO 1101 | INCH/MM          |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |             |          | ANGULAR                 | LINEAR                            | size A4                | Scale 1.000      |
| Dr                                    | T.BREWBAKER | 01/05/95 | 0°                      | ±2°                               | 0.X ±0.3               | ECN ELX-N-011895 |
| Eng                                   | T.HANNA     | 01/05/95 | 0°                      | ±2°                               | 0.XX ±0.15             |                  |
| Chr                                   | J.MURPHY    | 01/05/95 | 0°                      | ±2°                               | 0.XXX ±0.05            |                  |
| Appr                                  | T.HANNA     | 01/05/95 | Product family BERGSTIK |                                   | Spec ref               |                  |
| CT                                    | M08-0265    | MHT      | 9/23/08                 |                                   | dwg 68000              |                  |
| CU                                    | M08-0331    | MHT      | 12/01/08                |                                   | Rev. CY                |                  |
| CV                                    | M09-0090    | MHT      | 6/19/09                 |                                   |                        |                  |
| CW                                    | M09-0105    | MHT      | 7/10/09                 |                                   |                        |                  |
| CX                                    | N11-0118    | J.Z      | 2011-04-11              |                                   | sheet 1 of 8           |                  |

|     |              |    |            |
|-----|--------------|----|------------|
| rev | ecn no       | dr | date       |
| CY  | ELX-N-011895 | JZ | 2012-06-12 |



title  
BERGSTIK® II HEADER  
.100/2.54cc SR STRAIGHT  
catalog no

customer  
sheet 1 of 8

## PIN PLATING CODES:

|             |                                                         |
|-------------|---------------------------------------------------------|
| XXXX-1YY    | 30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-2YY    | 15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-3YY    | 50u"/1.27u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-4YY    | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 14) |
| XXXX-4YYHLF |                                                         |
| XXXX-5YY    | 15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-6YY    | 30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-7YY    | 30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-8YY    | 15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-9YY    | 15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| XXXX-0YY    | 30u"/0.76u MIN (SEE NOTE 13) 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 POSITIONS :

ANY NUMBER OF POSITIONS FROM 1 THRU 36.  
 -X00H INDICATES BERGSTRIIP PRODUCT. SEE PAGE 3 FOR SPECIAL GEOMETRY OF THIS CONTINUOUS STRIP PRODUCT.  
 AUTOMATED REELS WILL CONTAIN 36,000 PINS.  
 SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

PACKAGING :

NO INDICATOR IS STANDARD PACKAGING 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 "C" ARE PACKAGED IN TUBES WITH PICKUP CAP APPLIED. (NOT TOOLED)

BERGSTRIIP™ PART NUMBERS FOLLOWED BY A "B" ARE BULK PRICED.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED IN TAPE AND REEL WITH PICKUP CAP APPLIED.

LEAD FREE :

ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE

## ②. BODY MATERIAL :

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

BERGSTRIIP™: PRODUCED WITH HIGH TEMPERATURE LCP THERMOPLASTIC, 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. PIN CANNOT PROTRUDE PAST EDGE OF HOUSING. MUST BE .005±.005/.13±.13 FROM END OF HOUSING HOLE.

8. MILITARY BERGSTIK HEADER

P/N XXXXX-YYY-MIL.

NOT AVAILABLE.

⑨. ±.010/0.25 TOL APPLIES TO ALL "G" TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +.010/0.25 -.000/0.00 APPLIES.

⑩. INDICATED PART NUMBERS ARE PRODUCED AND SOLD IN THE TAIWAN/SINGAPORE AREAS. THESE ARE NOT AVAILABLE IN BERGSTRIIP™ CONTINUOUS STRIP.

⑪. NOTCH CONFIGURATION WILL VARY PER VENDOR'S DISCRETION.

⑫. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

⑬. PLATING OPTIONS:

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

⑭. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

⑮. THE OAL DON'T EXCEED 34.5mm

⑯. INCREMENTS BY 0.1mm IN LENGTHS ONLY

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

⑰. TO DETERMINE DIMENSIONS:

N=NUMBER OF POSITION PER ROW

EXAMPLE: 10 POS. N X .100/2.54

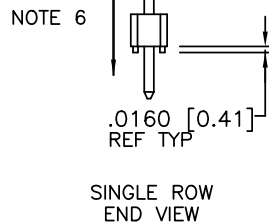
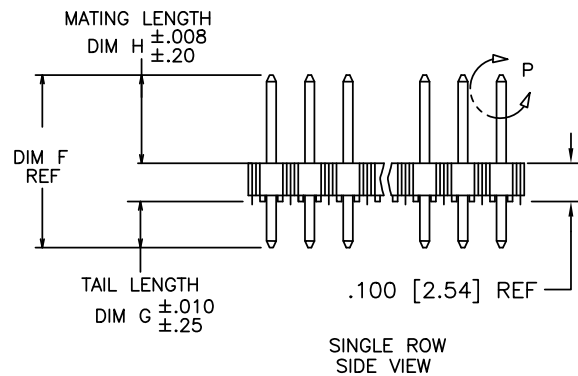
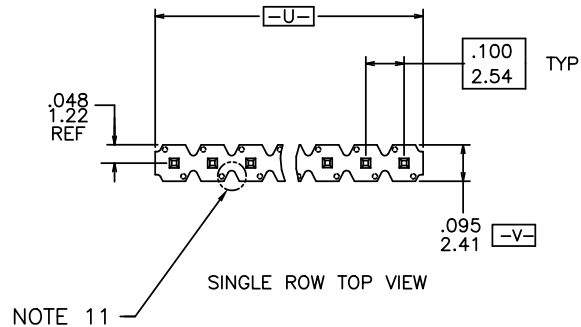
|                                                                                       |             |          |                                                      |        |                                                                                                        |       |                                                                                                  |              |              |       |       |
|---------------------------------------------------------------------------------------|-------------|----------|------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|--------------|--------------|-------|-------|
| www.fciconnect.com                                                                    |             |          | surface <input checked="" type="checkbox"/> ISO 1302 |        | tolerance std <input checked="" type="checkbox"/> ISO 406 <input checked="" type="checkbox"/> ISO 1101 |       | projection  |              | INCH/MM      |       |       |
|                                                                                       |             |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                |        |                                                                                                        |       |                                                                                                  |              |              |       |       |
| Dr                                                                                    | T.BREWBAKER | 01/05/95 | ANGULAR                                              | LINEAR | 0.X                                                                                                    | ±0.3  | size                                                                                             | A4           | Scale        | 1.000 |       |
| Eng                                                                                   | T.HANNA     | 01/05/95 |                                                      |        | 0.XX                                                                                                   | ±0.15 |                                                                                                  |              |              |       |       |
| Chr                                                                                   | J.MURPHY    | 01/05/95 |                                                      |        | 0.XXX                                                                                                  | ±0.05 |                                                                                                  |              |              |       |       |
| Appr                                                                                  | T.HANNA     | 01/05/95 | 0°                                                   | ±2°    |                                                                                                        |       | ECN                                                                                              | ELX-N-011895 |              |       |       |
|                                                                                       |             |          | Product family                                       |        | BERGSTIK                                                                                               |       | Spec ref                                                                                         |              |              |       |       |
|  |             |          | title                                                |        |                                                                                                        |       | BERGSTIK® II HEADER                                                                              |              | dwg no       |       | 68000 |
|                                                                                       |             |          | .100/2.54cc SR STRAIGHT                              |        |                                                                                                        |       |                                                                                                  |              | Rev.         |       |       |
|                                                                                       |             |          | catalog no                                           |        |                                                                                                        |       | CUSTOMER                                                                                         |              | sheet 2 of 8 |       |       |



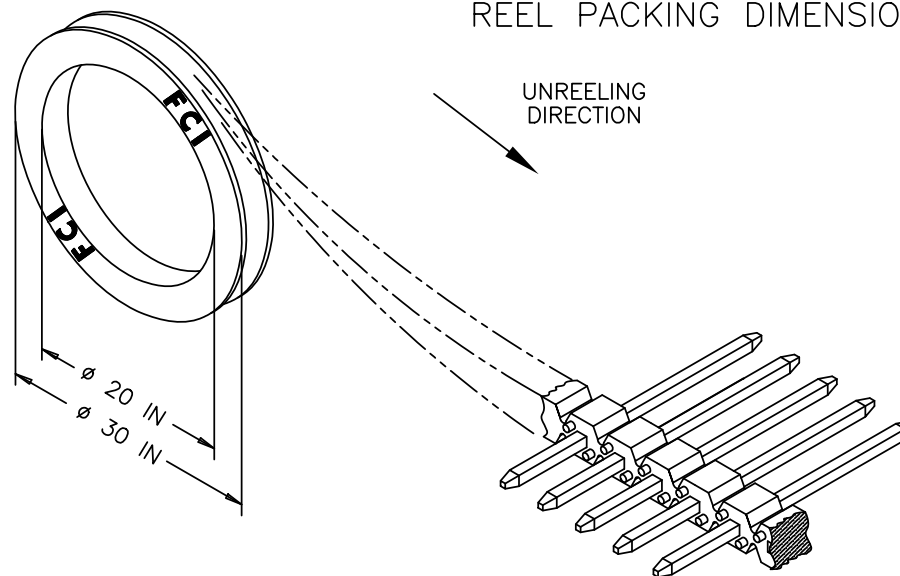
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REV F - 2006-04-17

## BERGSTRIPTM HEADER



## REEL PACKING DIMENSIONS



|                    |             |          |                                       |        |       |                                   |          |                                                                                                     |                  |                                                                                                  |              |  |
|--------------------|-------------|----------|---------------------------------------|--------|-------|-----------------------------------|----------|-----------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------|--------------|--|
| www.fciconnect.com |             |          | surface<br>ISO 1302                   |        | ✓     | tolerance std<br>ISO 406 ISO 1101 |          | projection<br> |                  | INCH/MM<br> |              |  |
|                    |             |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |       |                                   |          |                                                                                                     |                  |                                                                                                  |              |  |
| Dr                 | T.BREWBAKER | 01/05/95 | ANGULAR                               | LINEAR | 0.X   |                                   | ±0.3     |                                                                                                     | size<br>A4       | Scale<br>1.000                                                                                   |              |  |
| Eng                | T.HANNA     | 01/05/95 |                                       |        | 0.XX  |                                   | ±0.15    |                                                                                                     |                  |                                                                                                  |              |  |
| Chr                | J.MURPHY    | 01/05/95 |                                       |        | 0.XXX |                                   | ±0.05    |                                                                                                     |                  |                                                                                                  |              |  |
| Appr               | T.HANNA     | 01/05/95 | Product family                        |        |       |                                   | BERGSTIK |                                                                                                     | ECN ELX-N-011895 |                                                                                                  |              |  |
|                    |             |          | title                                 |        |       |                                   | 68000    |                                                                                                     |                  |                                                                                                  | Rev.<br>CY   |  |
|                    |             |          | catalog no                            |        |       |                                   | CUSTOMER |                                                                                                     |                  |                                                                                                  | sheet 3 of 8 |  |

1

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4

| PRODUCT NUMBER | TOTAL PIN LGTH |        | TAIL LENGTH |        | MATING LENGTH |        | PACKAGING       | NOTES | BERGSTRIPTM<br>AVAILABLE | LF<br>OPTION |
|----------------|----------------|--------|-------------|--------|---------------|--------|-----------------|-------|--------------------------|--------------|
|                | DIM F          | DIM F  | DIM G       | DIM G  | DIM H         | DIM H  |                 |       |                          |              |
|                | ENGLISH        | METRIC | ENGLISH     | METRIC | ENGLISH       | METRIC |                 |       |                          |              |
| 55492-XYXH     | 0.315          | 8.00   | 0.095       | 2.41   | 0.120         | 3.05   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 60017-XYXH     | 0.620          | 15.75  | 0.210       | 5.33   | 0.310         | 7.87   | POLY BAGS       | -     | NO                       |              |
| 60018-XYXH     | 0.660          | 16.76  | 0.250       | 6.35   | 0.310         | 7.87   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 63334-XYXH     | 0.435          | 11.05  | 0.095       | 2.41   | 0.240         | 6.10   | POLY BAGS       | -     | NO                       |              |
| 68000-XYX      | 0.425          | 10.80  | 0.095       | 2.41   | 0.230         | 5.84   | POLY BAGS       | -     | YES                      | NOTE 1,12    |
| 68001-XYX      | 0.450          | 11.43  | 0.120       | 3.05   | 0.230         | 5.84   | POLY BAGS/TUBES | -     | YES                      |              |
| 68002-XYX      | 0.480          | 12.19  | 0.150       | 3.81   | 0.230         | 5.84   | POLY BAGS       | -     | YES                      | NOTE 1,12    |
| 68003-XYX      | 0.525          | 13.34  | 0.195       | 4.95   | 0.230         | 5.84   | POLY BAGS       | -     | NO                       |              |
| 68004-XYX      | 0.525          | 13.34  | 0.107       | 2.72   | 0.318         | 8.08   | POLY BAGS       | -     | YES                      | NOTE 1,12    |
| 68024-XYX      | 0.568          | 14.43  | 0.150       | 3.81   | 0.318         | 8.08   | POLY BAGS       | -     | YES                      |              |
| 68031-XYX      | 0.513          | 13.03  | 0.183       | 4.65   | 0.230         | 5.84   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68032-XYX      | 0.543          | 13.79  | 0.213       | 5.41   | 0.230         | 5.84   | POLY BAGS       | -     | NO                       |              |
| 68033-XYX      | 0.708          | 17.98  | 0.473       | 12.01  | 0.135         | 3.43   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68415-XYX      | 0.615          | 15.62  | 0.115       | 2.92   | 0.400         | 10.16  | POLY BAGS       | -     | NO                       |              |
| 68416-XYX      | 0.813          | 20.65  | 0.483       | 12.27  | 0.230         | 5.84   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68418-XYX      | 0.730          | 18.54  | 0.400       | 10.16  | 0.230         | 5.84   | POLY BAGS       | -     | NO                       |              |
| 68422-XYX      | 0.631          | 16.03  | 0.213       | 5.41   | 0.318         | 8.08   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68443-XYX      | 0.755          | 19.18  | 0.425       | 10.80  | 0.230         | 5.84   | POLY BAGS       | -     | NO                       |              |
| 68456-XYX      | 0.825          | 20.96  | 0.115       | 2.92   | 0.610         | 15.49  | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68457-XYX      | 0.548          | 13.92  | 0.130       | 3.30   | 0.318         | 8.08   | POLY BAGS       | -     | NO                       |              |
| 68465-XYX      | 0.925          | 23.50  | 0.595       | 15.11  | 0.230         | 5.84   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68466-XYX      | 0.925          | 23.50  | 0.128       | 3.25   | 0.697         | 17.70  | POLY BAGS       | -     | NO                       |              |
| 68472-XYX      | 0.913          | 23.19  | 0.413       | 10.49  | 0.400         | 10.16  | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68479-XYX      | 0.718          | 18.24  | 0.388       | 9.86   | 0.230         | 5.84   | POLY BAGS       | -     | NO                       |              |
| 68483-XYX      | 0.835          | 21.21  | 0.417       | 10.59  | 0.318         | 8.08   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68487-XYX      | 0.705          | 17.91  | 0.110       | 2.79   | 0.495         | 12.57  | POLY BAGS       | -     | NO                       |              |
| 68489-XYX      | 1.095          | 27.81  | 0.765       | 19.43  | 0.230         | 5.84   | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68490-XYX      | 1.025          | 26.04  | 0.695       | 17.65  | 0.230         | 5.84   | POLY BAGS       | -     | NO                       |              |
| 68497-XYX      | 0.612          | 15.54  | 0.085       | 2.16   | 0.427         | 10.85  | POLY BAGS       | -     | NO                       | NOTE 1,12    |
| 68603-XYX      | 0.555          | 14.10  | 0.120       | 3.05   | 0.335         | 8.51   | POLY BAGS       | -     | NO                       |              |
| 68604-XYX      | 0.600          | 15.24  | 0.120       | 3.05   | 0.380         | 9.65   | POLY BAGS       | -     | NO                       | NOTE 1,12    |

NOTE 1,12

|                    |             |          |                         |                                   |                  |              |
|--------------------|-------------|----------|-------------------------|-----------------------------------|------------------|--------------|
| www.fciconnect.com |             |          | surface<br>ISO 1302     | tolerance std<br>ISO 406 ISO 1101 | projection<br>A4 | INCH/MM      |
|                    |             |          | ANGULAR                 | LINEAR                            | size             | Scale        |
| Dr                 | T.BREWBAKER | 01/05/95 | 0.X                     | ±0.3                              | A4               | 1.000        |
| Eng                | T.HANNA     | 01/05/95 | 0.XX                    | ±0.15                             |                  |              |
| Chr                | J.MURPHY    | 01/05/95 | 0.XXX                   | ±0.05                             | ECN              | ELX-N-011895 |
| Appr               | T.HANNA     | 01/05/95 | Product family          |                                   | Spec ref         |              |
|                    |             |          | BERGSTIK® II HEADER     |                                   | 68000            | Rev.         |
|                    |             |          | .100/2.54cc SR STRAIGHT |                                   |                  | CY           |
|                    |             |          | CUSTOMER                |                                   | sheet 4 of 8     |              |

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3

PDS: Rev :CY

STATUS:Released

Printed: Jun 14, 2012



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A

B

C

D

| PRODUCT NUMBER | TOTAL PIN LGTH |        | TAIL LENGTH |        | MATING LENGTH |        | BERGSTRIPTM<br>AVAILABLE | LF<br>OPTION |    |
|----------------|----------------|--------|-------------|--------|---------------|--------|--------------------------|--------------|----|
|                | DIM F          | DIM F  | DIM G       | DIM G  | DIM H         | DIM H  |                          |              |    |
|                | ENGLISH        | METRIC | ENGLISH     | METRIC | ENGLISH       | METRIC |                          |              |    |
| 68629-YYY      | 0.621          | 15.77  | 0.203       | 5.16   | 0.318         | 8.08   | POLY BAGS                | —            | NO |
| 68630-YYY      | 0.603          | 15.32  | 0.273       | 6.93   | 0.230         | 5.84   | POLY BAGS                | —            | NO |
| 68631-YYY      | 0.703          | 17.86  | 0.203       | 5.16   | 0.400         | 10.16  | POLY BAGS                | —            | NO |
| 68632-YYY      | 0.743          | 18.87  | 0.413       | 10.49  | 0.230         | 5.84   | POLY BAGS                | —            | NO |
| 68633-YYY      | 0.643          | 16.33  | 0.225       | 5.72   | 0.318         | 8.08   | POLY BAGS                | —            | NO |
| 68634-YYY      | 1.013          | 25.73  | 0.683       | 17.35  | 0.230         | 5.84   | POLY BAGS                | —            | NO |
| 68642-YYY      | 0.913          | 23.19  | 0.583       | 14.81  | 0.230         | 5.84   | POLY BAGS                | —            | NO |
| 68652-YYY      | 1.470          | 37.34  | 0.670       | 17.02  | 0.700         | 17.78  | POLY BAGS                | —            | NO |
| 68653-YYY      | 0.735          | 18.67  | 0.095       | 2.41   | 0.540         | 13.72  | POLY BAGS                | —            | NO |
| 68654-YYY      | 1.050          | 26.67  | 0.670       | 17.02  | 0.280         | 7.11   | POLY BAGS                | —            | NO |
| 68655-YYY      | 0.708          | 17.98  | 0.290       | 7.37   | 0.318         | 8.08   | POLY BAGS                | —            | NO |
| 68656-YYY      | 1.113          | 28.27  | 0.613       | 15.57  | 0.400         | 10.16  | POLY BAGS                | —            | NO |
| 68657-YYY      | 0.588          | 14.94  | 0.368       | 9.35   | 0.120         | 3.05   | POLY BAGS                | —            | NO |
| 68658-YYY      | 0.820          | 20.83  | 0.130       | 3.30   | 0.590         | 14.99  | POLY BAGS                | —            | NO |
| 68659-YYY      | 0.608          | 15.44  | 0.398       | 10.11  | 0.110         | 2.79   | POLY BAGS                | —            | NO |
| 68686-YYY      | 1.016          | 25.81  | 0.458       | 11.63  | 0.458         | 11.63  | POLY BAGS                | —            | NO |
| 68689-YYY      | 0.913          | 23.19  | 0.213       | 5.41   | 0.600         | 15.24  | POLY BAGS                | —            | NO |
| 68705-YYY      | 0.395          | 10.03  | 0.095       | 2.41   | 0.200         | 5.08   | POLY BAGS                | —            | NO |
| 68717-YYY      | 0.615          | 15.62  | 0.285       | 7.24   | 0.230         | 5.84   | POLY BAGS                | —            | NO |
| 68730-YYY      | 0.555          | 14.10  | 0.225       | 5.72   | 0.230         | 5.84   | POLY BAGS                | —            | NO |
| 68731-YYY      | 0.880          | 22.35  | 0.440       | 11.18  | 0.340         | 8.64   | POLY BAGS                | —            | NO |
| 68735-YYY      | 1.016          | 25.81  | 0.520       | 13.21  | 0.396         | 10.06  | POLY BAGS                | —            | NO |
| 68755-YYY      | 1.166          | 29.62  | 0.533       | 13.54  | 0.533         | 13.54  | POLY BAGS                | —            | NO |
| 68760-YYY      | 0.803          | 20.40  | 0.353       | 8.97   | 0.350         | 8.89   | POLY BAGS                | —            | NO |
| 68762-YYY      | 0.588          | 14.94  | 0.213       | 5.41   | 0.275         | 6.99   | POLY BAGS                | —            | NO |
| 68771-YYY      | 0.470          | 11.94  | 0.100       | 2.54   | 0.270         | 6.86   | POLY BAGS                | —            | NO |
| 68781-YYY      | 0.691          | 17.55  | 0.273       | 6.93   | 0.318         | 8.08   | POLY BAGS                | —            | NO |

NOTE 1,12

NOTE 1,12

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|                    |             |          |                                                      |  |                                   |  |                       |  |
|--------------------|-------------|----------|------------------------------------------------------|--|-----------------------------------|--|-----------------------|--|
| www.fciconnect.com |             |          | surface<br>ISO 1302                                  |  | tolerance std<br>ISO 406 ISO 1101 |  | projection<br>INCH/MM |  |
|                    |             |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                |  |                                   |  | size A4               |  |
| Dr                 | T.BREWBAKER | 01/05/95 | ANGULAR                                              |  | 0.X ±0.3                          |  | Scale 1.000           |  |
| Eng                | T.HANNA     | 01/05/95 | LINEAR                                               |  | 0.XX ±0.15                        |  |                       |  |
| Chr                | J.MURPHY    | 01/05/95 | 0° ±2°                                               |  | 0.XXX ±0.05                       |  | ECN ELX-N-011895      |  |
| Appr               | T.HANNA     | 01/05/95 | Product family                                       |  | BERGSTIK                          |  | Spec ref              |  |
| FCI                |             |          | title BERGSTIK® II HEADER<br>.100/2.54cc SR STRAIGHT |  |                                   |  | dwg no 68000          |  |
|                    |             |          | catalog no                                           |  |                                   |  | Rev. CY               |  |
|                    |             |          | CUSTOMER                                             |  |                                   |  | sheet 5 of 8          |  |

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| PRODUCT NUMBER | TOTAL PIN LGTH |        | TAIL LENGTH |        | MATING LENGTH |        |                 |         | BERGSTRIPTM | LF        |
|----------------|----------------|--------|-------------|--------|---------------|--------|-----------------|---------|-------------|-----------|
|                | DIM F          | DIM G  | DIM G       | DIM G  | DIM H         | DIM H  |                 |         | AVAILABLE   | OPTION    |
|                | ENGLISH        | METRIC | ENGLISH     | METRIC | ENGLISH       | METRIC | PACKAGING       | NOTES   |             |           |
| 68795-YYY      | 0.500          | 12.70  | 0.062       | 1.57   | 0.338         | 8.59   | POLY BAGS       | —       | NO          | NOTE 1,12 |
| 68796-YYY      | 0.633          | 16.08  | 0.423       | 10.74  | 0.110         | 2.79   | POLY BAGS       | —       | NO          |           |
| 68797-YYY      | 0.413          | 10.49  | 0.213       | 5.41   | 0.100         | 2.54   | POLY BAGS       | —       | NO          |           |
| 69148-YYY      | 0.442          | 11.43  | 0.000       | 0.00   | 0.350         | 8.89   | POLY BAGS       | —       | NO          |           |
| 69152-YYY      | 0.720          | 18.29  | 0.120       | 3.05   | 0.500         | 12.70  | POLY BAGS/TUBES | —       | NO          |           |
| 69173-YYY      | 0.530          | 13.46  | 0.135       | 3.43   | 0.295         | 7.49   | POLY BAGS       | —       | NO          |           |
| 69188-YYY      | 0.751          | 19.08  | 0.333       | 8.46   | 0.318         | 8.08   | POLY BAGS       | —       | NO          |           |
| 69751-YYY      | 0.440          | 11.18  | 0.170       | 4.32   | 0.170         | 4.32   | POLY BAGS       | NOTE 10 | NO          |           |
| 71417-YYY      | 0.664          | 16.87  | 0.115       | 2.92   | 0.449         | 11.40  | POLY BAGS       | NOTE 10 | NO          |           |
| 72260-YYYH     | 0.930          | 23.62  | 0.090       | 2.29   | 0.740         | 18.80  | POLY BAGS       | —       | NO          |           |
| 72323-YYYH     | 1.200          | 30.48  | 0.100       | 2.54   | 1.000         | 25.40  | POLY BAGS       | —       | NO          |           |
| 72457-YYYH     | 1.100          | 27.94  | 0.090       | 2.29   | 0.910         | 23.11  | POLY BAGS       | —       | NO          |           |
| 73698-YYYH     | 1.100          | 27.94  | 0.120       | 3.05   | 0.880         | 22.35  | POLY BAGS       | —       | NO          |           |
| 74464-YYYH     | 1.028          | 26.11  | 0.610       | 15.49  | 0.318         | 8.08   | POLY BAGS       | —       | NO          |           |
| 78240-YYY      | 0.663          | 16.84  | 0.333       | 8.46   | 0.230         | 5.84   | POLY BAGS       | —       | NO          |           |
| 78287-YYY      | 0.678          | 17.22  | 0.120       | 3.05   | 0.458         | 11.63  | POLY BAGS       | —       | NO          |           |
| 78290-YYY      | 1.250          | 31.75  | 0.500       | 12.70  | 0.650         | 16.51  | POLY BAGS       | —       | NO          |           |
| 78511-YYY      | 0.538          | 13.67  | 0.120       | 3.05   | 0.318         | 8.08   | POLY BAGS/TUBES | —       | YES         |           |
| 78595-YYY      |                | NOT    | AVAILABLE   |        |               |        |                 | —       | —           |           |
| 78931-YYY      |                | NOT    | AVAILABLE   |        |               |        |                 | —       | —           |           |
| 78958-YYY      |                | NOT    | AVAILABLE   |        |               |        |                 | —       | —           |           |
| 78959-YYY      |                | NOT    | AVAILABLE   |        |               |        |                 | —       | —           |           |
| 78977-YYY      |                | NOT    | AVAILABLE   |        |               |        |                 | —       | —           |           |
| 78998-YYY      | 0.430          | 10.92  | 0.155       | 3.94   | 0.175         | 4.45   | POLY BAGS       | —       | NO          |           |
| 78999-YYY      |                | NOT    | AVAILABLE   |        |               |        |                 | —       | —           |           |
| 79428-YYY      | 0.695          | 17.65  | 0.120       | 3.05   | 0.475         | 12.07  | POLY BAGS       | —       | NO          |           |
| 79849-YYY      | 0.620          | 15.75  | 0.120       | 3.05   | 0.400         | 10.16  | POLY BAGS       | —       | NO          |           |
|                |                |        |             |        |               |        |                 |         |             | NOTE 1,12 |

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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                                                                                    | T.BREWBAKER                                             | 01/05/95 | ANGULAR                               |  | LINEAR |                                   | 0.X             | ±0.3                                                                                                | size<br>A4   | Scale<br>1.000                                                                                   |       |
| Eng                                                                                   | T.HANNA                                                 | 01/05/95 |                                       |  |        |                                   | 0.XX            | ±0.15                                                                                               |              | ECN<br>ELX-N-011895                                                                              |       |
| Chr                                                                                   | J.MURPHY                                                | 01/05/95 |                                       |  |        |                                   | 0° ±2°          | 0.XXX                                                                                               |              |                                                                                                  | ±0.05 |
| Appr                                                                                  | T.HANNA                                                 | 01/05/95 | Product family<br>BERGSTIK            |  |        |                                   |                 | Spec ref                                                                                            |              |                                                                                                  |       |
|  | title<br>BERGSTIK® II HEADER<br>.100/2.54cc SR STRAIGHT |          |                                       |  |        |                                   | dwg no<br>68000 |                                                                                                     | Rev.<br>CY   |                                                                                                  |       |
|                                                                                       |                                                         |          |                                       |  |        |                                   |                 |                                                                                                     |              |                                                                                                  |       |
|                                                                                       | catalog no                                              |          |                                       |  |        |                                   | CUSTOMER        |                                                                                                     | sheet 6 of 8 |                                                                                                  |       |

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| PRODUCT NUMBER | TOTAL PIN LGTH |        | TAIL LENGTH |        | MATING LENGTH |        |           |         | BERGSTRIPTM | LF<br>OPTION |
|----------------|----------------|--------|-------------|--------|---------------|--------|-----------|---------|-------------|--------------|
|                | DIM F          | DIM F  | DIM G       | DIM G  | DIM H         | DIM H  |           |         | AVAILABLE   |              |
|                | ENGLISH        | METRIC | ENGLISH     | METRIC | ENGLISH       | METRIC | PACKAGING | NOTES   |             |              |
| 84918-XXYH     | 0.340          | 8.64   | 0.120       | 3.05   | 0.120         | 3.05   | POLY BAGS | —       | YES         | NOTE 1,12    |
| 84921-XXYH     | 0.370          | 9.40   | 0.150       | 3.81   | 0.120         | 3.05   | POLY BAGS | —       | YES         |              |
| 86506-XXY      | 0.440          | 11.18  | 0.120       | 3.05   | 0.220         | 5.59   | POLY BAGS | —       | YES         |              |
| 86579-XXY      | 0.450          | 11.43  | 0.120       | 3.05   | 0.230         | 5.84   | POLY BAGS | NOTE 9  | NO          |              |
| 86634-XXY      |                | NOT    | AVAILABLE   |        |               |        |           | —       | —           |              |
| 86635-XXY      |                | NOT    | AVAILABLE   |        |               |        |           | —       | —           |              |
| 86636-XXY      |                | NOT    | AVAILABLE   |        |               |        |           | —       | —           |              |
| 86637-XXY      |                | NOT    | AVAILABLE   |        |               |        |           | —       | —           |              |
| 86638-XXY      |                | NOT    | AVAILABLE   |        |               |        |           | —       | —           |              |
| 86793-XXY      | 0.900          | 22.86  | 0.100       | 2.54   | 0.700         | 17.78  | POLY BAGS | NOTE 10 | NO          |              |
| 86899-XXY      | 1.020          | 25.91  | 0.120       | 3.05   | 0.800         | 20.32  | POLY BAGS | —       | NO          | NOTE 1,12    |
| 87185-XXY      | 1.238          | 31.45  | 0.095       | 2.41   | 1.043         | 26.49  | POLY BAGS | NOTE 10 | NO          |              |
| 87204-XXY      | 0.895          | 22.73  | 0.120       | 3.05   | 0.675         | 17.15  | POLY BAGS | —       | NO          |              |
| 87241-XXY      | 1.000          | 25.40  | 0.120       | 3.05   | 0.780         | 19.81  | POLY BAGS | —       | NO          |              |
| 87502-XXYH     | 1.130          | 28.70  | 0.110       | 2.79   | 0.920         | 23.37  | POLY BAGS | —       | NO          |              |
| 87827-XXY      | 0.380          | 9.65   | 0.120       | 3.05   | 0.160         | 4.06   | POLY BAGS | —       | NO          |              |
| 87916-XXY      | 1.058          | 26.87  | 0.128       | 3.25   | 0.830         | 21.08  | POLY BAGS | —       | NO          |              |
| 88005-XXY      | 0.536          | 13.61  | 0.095       | 2.41   | 0.341         | 8.66   | POLY BAGS | NOTE 10 | NO          |              |
| 88706-XXY      | 0.900          | 22.86  | 0.100       | 2.54   | 0.700         | 17.78  | POLY BAGS | —       | NO          |              |
| 89232-XXY      | 0.325          | 8.26   | 0.000       | 0.00   | 0.230         | 5.84   | POLY BAGS | NOTE 7  | NO          |              |



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|---------------------------------------------------------------------------------------|-------------|----------|-------------------------|--------|-----------------------------------|-------------------------|---------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------|--|
| www.fciconnect.com                                                                    |             |          | surface<br>ISO 1302 ✓   |        | tolerance std<br>ISO 406 ISO 1101 |                         |  |                  | INCH/MM<br> |  |
|                                                                                       |             |          | TOLERANCES UNLESS       |        | OTHERWISE SPECIFIED               |                         |                                                                                       |                  |                                                                                                  |  |
| Dr                                                                                    | T.BREWBAKER | 01/05/95 | ANGULAR                 | LINEAR | 0.X                               | ±0.3                    | size<br>A4                                                                            | Scale<br>1.000   |                                                                                                  |  |
| Eng                                                                                   | T.HANNA     | 01/05/95 |                         |        | 0.XX                              | ±0.15                   |                                                                                       |                  |                                                                                                  |  |
| Chr                                                                                   | J.MURPHY    | 01/05/95 |                         |        | 0.XXX                             | ±0.05                   |                                                                                       | ECN ELX-N-011895 |                                                                                                  |  |
| Appr                                                                                  | T.HANNA     | 01/05/95 | Product family BERGSTIK |        |                                   |                         | Spec ref                                                                              |                  |                                                                                                  |  |
|  | title       |          |                         |        |                                   | BERGSTIK® II HEADER     |                                                                                       |                  | Rev.                                                                                             |  |
|                                                                                       | catalog no  |          |                         |        |                                   | .100/2.54cc SR STRAIGHT |                                                                                       |                  | CY                                                                                               |  |
|                                                                                       |             |          |                         |        |                                   | dwg no                  |                                                                                       |                  | 68000                                                                                            |  |
|                                                                                       |             |          |                         |        |                                   | CUSTOMER                |                                                                                       |                  | sheet 7 of 8                                                                                     |  |

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| PRODUCT NUMBER | TOTAL PIN LGTH |        | TAIL LENGTH |        | MATING LENGTH |        |                     |         | BERGSTRIPT™ | LF<br>OPTION |
|----------------|----------------|--------|-------------|--------|---------------|--------|---------------------|---------|-------------|--------------|
|                | DIM F          | DIM G  | DIM G       | DIM G  | DIM H         | DIM H  |                     |         | AVAILABLE   |              |
|                | ENGLISH        | METRIC | ENGLISH     | METRIC | ENGLISH       | METRIC | PACKAGING           | NOTES   |             |              |
| 90522-XY       | 0.668          | 16.97  | 0.135       | 3.43   | 0.433         | 11.00  | POLY BAGS           | NOTE 10 | NO          | NOTE 1,12    |
| 90547-XY       | 0.508          | 12.90  | 0.095       | 2.41   | 0.313         | 7.95   | POLY BAGS           | NOTE 10 | NO          |              |
| 90719-XY       | 0.384          | 9.75   | 0.106       | 2.69   | 0.178         | 4.52   | POLY BAGS           | —       | NO          |              |
| 90726-XY       | 0.440          | 11.18  | 0.110       | 2.79   | 0.230         | 5.84   | POLY BAGS           | —       | YES         |              |
| 91276-XY       | 1.225          | 31.12  | 0.225       | 5.72   | 0.900         | 22.86  | POLY BAGS           | —       | NO          |              |
| 92020-XY       | 0.372          | 9.45   | 0.094       | 2.39   | 0.178         | 4.52   | POLY BAGS           | —       | NO          |              |
| 92418-XY       | 0.572          | 14.53  | 0.118       | 3.00   | 0.354         | 8.99   | POLY BAGS           | —       | NO          |              |
| 93167-XY       | 0.394          | 10.01  | 0.059       | 1.50   | 0.235         | 5.97   | POLY BAGS           | —       | NO          |              |
| 93287-XYH      | 0.585          | 14.86  | 0.085       | 2.16   | 0.400         | 10.16  | POLY BAGS           | —       | NO          |              |
| 93944-XY       | 0.941          | 23.90  | 0.130       | 3.30   | 0.711         | 18.06  | POLY BAGS           | —       | NO          |              |
| 93992-XYH      | 0.415          | 10.54  | 0.085       | 2.16   | 0.230         | 5.84   | POLY BAGS           | —       | NO          |              |
| 94063-XY       | 0.376          | 9.55   | 0.138       | 3.51   | 0.138         | 3.51   | POLY BAGS           | NOTE 10 | NO          |              |
| 94094-XY       | 0.592          | 15.04  | 0.314       | 7.98   | 0.178         | 4.52   | POLY BAGS           | —       | NO          |              |
| 94544-XY       | 0.550          | 13.97  | 0.130       | 3.30   | 0.330         | 8.38   | POLY BAGS           | NOTE 10 | NO          |              |
| 94611-XYH      | 0.320          | 8.13   | 0.095       | 2.41   | 0.125         | 3.18   | POLY BAGS           | —       | NO          |              |
| 95017-XYH      | 0.560          | 14.22  | 0.060       | 1.52   | 0.400         | 10.16  | POLY BAGS           | —       | NO          |              |
| 95103-XY       | 1.064          | 27.03  | 0.433       | 11.00  | 0.531         | 13.49  | POLY BAGS           | NOTE 10 | NO          |              |
| 95104-XY       | 0.370          | 9.40   | 0.126       | 3.20   | 0.144         | 3.66   | POLY BAGS           | NOTE 10 | NO          |              |
| 95648-XYH      | 0.655          | 16.64  | 0.155       | 3.94   | 0.400         | 10.16  | POLY BAGS           | —       | NO          |              |
| 95655-XY       | 1.164          | 29.57  | 0.095       | 2.41   | 0.969         | 24.61  | POLY BAGS           | NOTE 10 | NO          |              |
| 98001-XYH      | 0.610          | 15.49  | 0.420       | 10.67  | 0.090         | 2.29   | POLY BAGS           | —       | NO          |              |
| 98136-XYH      | 0.475          | 12.07  | 0.095       | 2.41   | 0.280         | 7.11   | POLY BAGS           | —       | NO          |              |
| 10004394-XYH   | 0.290          | 7.37   | 0.095       | 2.41   | 0.095         | 2.41   | POLY BAGS           | —       | NO          |              |
| 10076764-XXYH  | 0.479          | 12.19  | 0.114       | 2.9    | 0.265         | 6.75   | POLY BAGS           | —       | YES         |              |
| 10103017-XY    | 0.335          | 8.51   | 0.130       | 3.30   | 0.105         | 2.67   | POLY BAGS           | —       | NO          |              |
| 10121349-XY    | 0.626          | 15.9   | 0.120       | 3.05   | 0.406         | 10.3   | POLY BAGS/TAPE REEL | —       | NO          | NOTE 1,12    |



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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                                                                                    | T.BREWBAKER | 01/05/95 | ANGULAR                                                 |     | LINEAR                            |  | 0.X                                                                                                 | ±0.3         | size              | A4           | Scale<br>1.000 |
| Eng                                                                                   | T.HANNA     | 01/05/95 |                                                         |     |                                   |  | 0.XX                                                                                                | ±0.15        |                   |              |                |
| Chr                                                                                   | J.MURPHY    | 01/05/95 | 0°                                                      | ±2° |                                   |  | 0.XXX                                                                                               | ±0.05        | ECN               | ELX-N-011895 |                |
| Appr                                                                                  | T.HANNA     | 01/05/95 | Product family                                          |     |                                   |  |                                                                                                     | BERGSTIK     |                   | Spec ref     |                |
|  |             |          | title<br>BERGSTIK® II HEADER<br>.100/2.54cc SR STRAIGHT |     |                                   |  |                                                                                                     | no<br>68000  |                   |              | Rev.<br>CY     |
|                                                                                       |             |          |                                                         |     |                                   |  |                                                                                                     |              |                   |              |                |
| catalog no                                                                            |             |          | CUSTOMER                                                |     |                                   |  |                                                                                                     | sheet 8 of 8 |                   |              |                |

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