

1

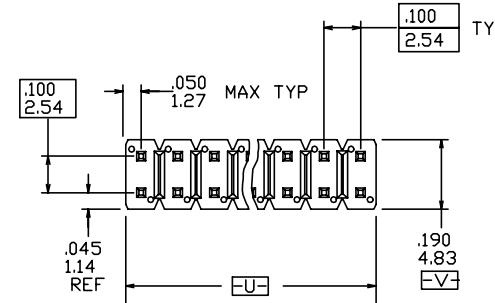
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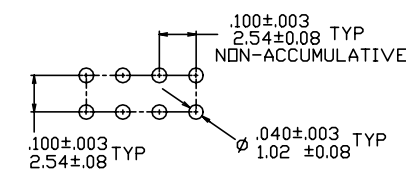
4

PRODUCT NUMBER  
XXXXX-YYYHTLF

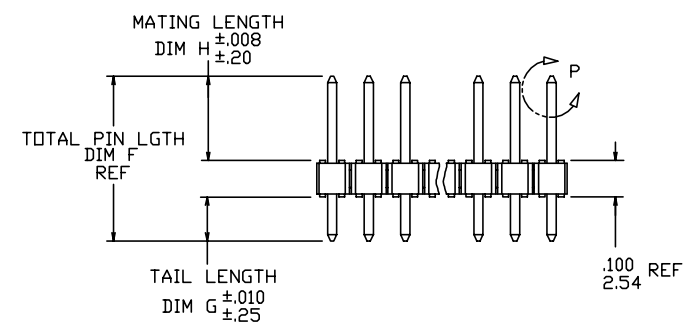
- LEAD FREE OPTION  
SEE NOTE 1,10
- TUBE PACKAGING OPTION  
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC  
SEE NOTE 1
- NO. OF  
POSITIONS  
SEE NOTE 1
- PIN PLATING  
SEE SHEET 2
- BASE PART NO.



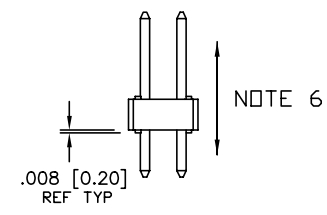
TOP VIEW



RECOMMENDED HOLE PATTERN



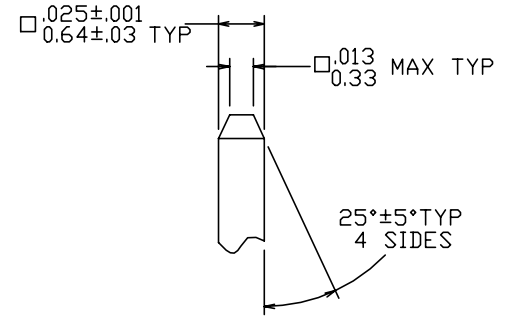
SIDE VIEW



END VIEW

Ø .020/.51 (M) U (M) V (S)

NOTE 4



DETAIL P  
TYP BOTH ENDS

ELX-N-16105

| rev | ecn no      | dr  | date       |
|-----|-------------|-----|------------|
| AP  | ELX-N-16105 | ZK  | 2013-10-22 |
| AJ  | M05-0072    | MHT | 5/03/05    |
| AK  | M06-0269    | MHT | 7/17/06    |
| AL  | M06-0346    | MHT | 9/04/06    |
| AM  | M08-0291    | MHT | 10/06/08   |
| AN  | N11-0118    | J.Z | 2011-04-12 |

|                                                                                       |              |         |                         |  |                                   |  |                                                                                                     |  |                                                                                                  |  |              |  |
|---------------------------------------------------------------------------------------|--------------|---------|-------------------------|--|-----------------------------------|--|-----------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|--------------|--|
| www.fciconnect.com                                                                    |              |         | surface 6.4<br>ISO 1302 |  | tolerance std<br>ISO 406 ISO 1101 |  | projection<br> |  | INCH/MM<br> |  |              |  |
|                                                                                       |              |         | TOLERANCES UNLESS       |  | OTHERWISE SPECIFIED               |  |                                                                                                     |  |                                                                                                  |  |              |  |
| Dr                                                                                    | T. BREWBAKER | 7/29/94 | ANGULAR                 |  | LINEAR                            |  | 0.X                                                                                                 |  | ±0.3                                                                                             |  |              |  |
| Eng                                                                                   | T.HANNA      | 7/29/94 |                         |  |                                   |  | 0.XX                                                                                                |  | ±0.15                                                                                            |  |              |  |
| Chr                                                                                   | J. MURPHY    | 7/29/94 | 0°                      |  | ±2°                               |  | 0.XXX                                                                                               |  | ±0.05                                                                                            |  |              |  |
| Appr                                                                                  | T.HANNA      | 7/29/94 | Product family          |  | BERGSTIK                          |  | ECN                                                                                                 |  |                                                                                                  |  |              |  |
|                                                                                       |              |         |                         |  |                                   |  | Spec ref                                                                                            |  |                                                                                                  |  |              |  |
|  |              |         | title                   |  |                                   |  | BERGSTIK® II HEADER                                                                                 |  |                                                                                                  |  | dwg no       |  |
|                                                                                       |              |         |                         |  |                                   |  |                                                                                                     |  |                                                                                                  |  | 69192        |  |
|                                                                                       |              |         |                         |  |                                   |  |                                                                                                     |  |                                                                                                  |  | Rev. AP      |  |
|                                                                                       |              |         | catalog no              |  |                                   |  | CUSTOMER                                                                                            |  |                                                                                                  |  | sheet 1 of 4 |  |

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## PIN PLATING CODES:

|             |                                                         |
|-------------|---------------------------------------------------------|
| XXXX-1YY    | 30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-2YY    | 15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-3YY    | 50u"/1.27u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-4YY    | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 12) |
| XXXX-4YYHLF |                                                         |
| XXXX-5YY    | 15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-6YY    | 30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-7YY    | 30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-8YY    | 15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-9YY    | 15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |
| XXXX-0YY    | 30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni     |

## NOTES

## (1) PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

## HIGH TEMP. MATERIAL:

FOR HIGH-TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT THE END OF THE PART NUMBER, AND PCT WILL BE SUPPLIED.

## NUMBER OF POSITION:

ANY 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 OR PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0.

COLOR: BLACK. OR

MINERAL FILLED LCP, COLOR BLACK

FLAME RETARDANT PER UL-94V-0

PART NUMBERS WITH "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE 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) ±0.10/0.25 TOL. APPLIES TO ALL "G" TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +0.10/0.25,-.000/0.00 APPLIES.

(8) SECTION R-R DIMENSIONS APPLY TO RETENTION PIN POSITIONS ONLY LOCATED AT MANUFACTURES OPTION.

9. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

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

(11) PLATING OPTIONS:

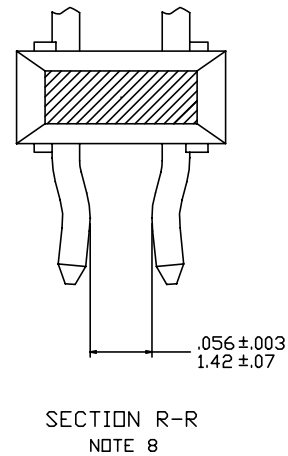
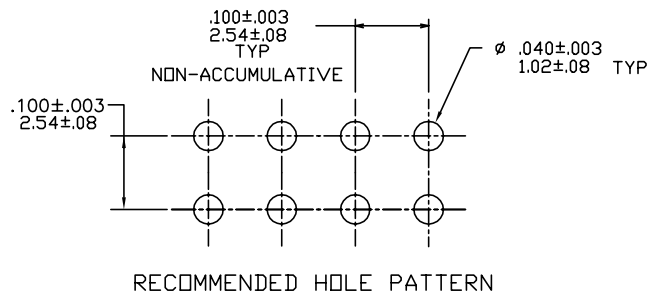
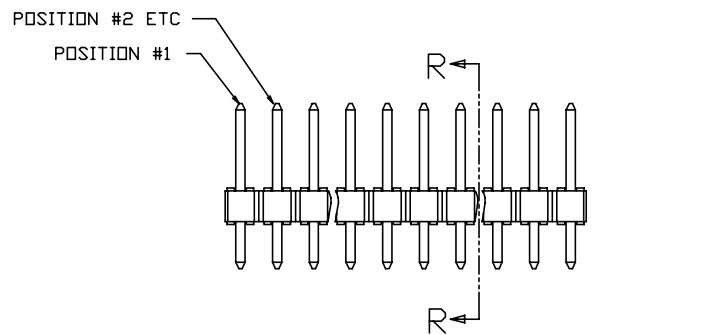
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.

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

|                                                                                       |                                              |         |                       |        |                                   |          |                                                                                                     |          |                   |              |     |
|---------------------------------------------------------------------------------------|----------------------------------------------|---------|-----------------------|--------|-----------------------------------|----------|-----------------------------------------------------------------------------------------------------|----------|-------------------|--------------|-----|
| 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                                 | 7/29/94 | ANGULAR               | LINEAR | 0.X                               | ±0.3     | size                                                                                                | A4       | Scale<br>1.000    |              |     |
| Eng                                                                                   | T.HANNA                                      | 7/29/94 |                       |        | 0.XX                              | ±0.15    |                                                                                                     |          |                   |              |     |
| Chr                                                                                   | J. MURPHY                                    | 7/29/94 |                       |        | 0° ±2°                            | 0.XXX    | ±0.05                                                                                               | ECN      |                   |              |     |
| Appr                                                                                  | T.HANNA                                      | 7/29/94 | Product family        |        |                                   | BERGSTIK |                                                                                                     | Spec ref |                   |              |     |
|  | title                                        |         |                       |        |                                   | 69192    |                                                                                                     |          |                   |              | Rev |
|                                                                                       | BERGSTIK® II HEADER<br>.100/2.54 DR SELF-RET |         |                       |        |                                   | dwg no   |                                                                                                     |          |                   |              | AP  |
| catalog no                                                                            |                                              |         |                       |        |                                   | CUSTOMER |                                                                                                     |          |                   | sheet 2 of 4 |     |



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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 | 7/29/94 | ANGULAR                                               | LINEAR | 0.X                               | ±0.3  | size<br>A4                                                                                          | Scale<br>1.000 |                                                                                                  |            |  |
| Eng                                                                                   | T.HANNA      | 7/29/94 |                                                       |        | 0.XX                              | ±0.15 |                                                                                                     |                |                                                                                                  |            |  |
| Chr                                                                                   | J. MURPHY    | 7/29/94 | 0°                                                    | ±2°    | 0.XXX                             | ±0.05 | ECN                                                                                                 |                |                                                                                                  |            |  |
| Appr                                                                                  | T.HANNA      | 7/29/94 | Product family                                        |        |                                   |       | BERGSTIK                                                                                            |                | Spec ref                                                                                         |            |  |
|  |              |         | title<br>BERGSTIK® II HEADER<br>.100/2.54 DR SELF-RET |        |                                   |       | dwg no<br>69192                                                                                     |                |                                                                                                  | Rev.<br>AP |  |
|                                                                                       |              |         |                                                       |        |                                   |       |                                                                                                     |                |                                                                                                  |            |  |
|                                                                                       |              |         | catalog no                                            |        |                                   |       | CUSTOMER                                                                                            |                | sheet 3 of 4                                                                                     |            |  |

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A

B

C

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D

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B

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| PRODUCT NUMBER          | TOTAL PIN LENGTH |                  | TAIL LENGTH      |                 | MATING LENGTH    |                  | PACKAGING                  | NOTES        | LF<br>OPTION |
|-------------------------|------------------|------------------|------------------|-----------------|------------------|------------------|----------------------------|--------------|--------------|
|                         | DIM F            | DIM F            | DIM G            | DIM G           | DIM H            | DIM H            |                            |              |              |
|                         | ENGLISH          | METRIC           | ENGLISH          | METRIC          | ENGLISH          | METRIC           |                            |              |              |
| 69192-XY                | 0.450            | 11.43            | 0.120            | 3.05            | 0.230            | 5.84             | POLY BAGS/TUBES            |              | NOTE 1,10    |
| 78252-XY                | UNAVAILABLE      |                  |                  |                 |                  |                  |                            |              |              |
| 78548-XY                | 0.538            | 13.67            | 0.120            | 3.05            | 0.318            | 8.08             | POLY BAGS                  |              |              |
| <del>78577-XY</del>     | <del>0.650</del> | <del>16.51</del> | <del>0.120</del> | <del>3.05</del> | <del>0.430</del> | <del>10.92</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>79214-XY</del>     | <del>0.620</del> | <del>15.75</del> | <del>0.120</del> | <del>3.05</del> | <del>0.400</del> | <del>10.16</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>79979-XY</del>     | <del>0.450</del> | <del>11.43</del> | <del>0.120</del> | <del>3.05</del> | <del>0.230</del> | <del>5.84</del>  | <del>POLY BAGS/TUBES</del> | <del>7</del> | OB           |
| 86380-XY                | 0.470            | 11.94            | 0.120            | 3.05            | 0.250            | 6.35             | POLY BAGS                  |              |              |
| <del>86584-XY</del>     | <del>0.760</del> | <del>19.30</del> | <del>0.120</del> | <del>3.05</del> | <del>0.540</del> | <del>13.72</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>87444-XY</del>     | <del>1.090</del> | <del>27.69</del> | <del>0.125</del> | <del>3.18</del> | <del>0.865</del> | <del>21.97</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>87456-XY</del>     | <del>0.840</del> | <del>21.34</del> | <del>0.120</del> | <del>3.05</del> | <del>0.620</del> | <del>15.75</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>87457-XY</del>     | <del>0.990</del> | <del>25.15</del> | <del>0.120</del> | <del>3.05</del> | <del>0.770</del> | <del>19.56</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>87837-XY</del>     | <del>0.585</del> | <del>14.86</del> | <del>0.120</del> | <del>3.05</del> | <del>0.365</del> | <del>9.27</del>  | <del>POLY BAGS</del>       |              | OB           |
| <del>87920-XY</del>     | <del>0.830</del> | <del>21.08</del> | <del>0.120</del> | <del>3.05</del> | <del>0.610</del> | <del>15.49</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>88526-XY</del>     | <del>1.340</del> | <del>34.04</del> | <del>0.120</del> | <del>3.05</del> | <del>1.120</del> | <del>28.45</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>88714-XY</del>     | <del>0.640</del> | <del>16.26</del> | <del>0.120</del> | <del>3.05</del> | <del>0.420</del> | <del>10.67</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>89580-XY</del>     | <del>0.930</del> | <del>23.62</del> | <del>0.120</del> | <del>3.05</del> | <del>0.710</del> | <del>18.03</del> | <del>POLY BAGS</del>       |              | OB           |
| 90824-XY                | 0.420            | 10.67            | 0.120            | 3.05            | 0.200            | 5.08             | POLY BAGS                  |              |              |
| 94654-XYH               | 0.415            | 10.54            | 0.085            | 2.16            | 0.230            | 5.84             | POLY BAGS                  |              |              |
| 95066-XYH               | 1.240            | 31.50            | 0.120            | 3.05            | 1.020            | 25.91            | POLY BAGS                  |              | NOTE 1,10    |
| <del>95654-XYH</del>    | <del>0.880</del> | <del>22.35</del> | <del>0.120</del> | <del>3.05</del> | <del>0.660</del> | <del>16.76</del> | <del>POLY BAGS</del>       |              | OB           |
| <del>98845-XYH</del>    | <del>0.572</del> | <del>14.54</del> | <del>0.120</del> | <del>3.00</del> | <del>0.354</del> | <del>9.00</del>  | <del>POLY BAGS/TUBES</del> |              | OB           |
| <del>10002463-XYH</del> | <del>0.503</del> | <del>12.78</del> | <del>0.085</del> | <del>2.16</del> | <del>0.318</del> | <del>8.08</del>  | <del>POLY BAGS</del>       |              | OB           |

|                    |              |         |                                       |                                     |                                   |                                                                                                     |               |              |  |
|--------------------|--------------|---------|---------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------|---------------|--------------|--|
| 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                 | T. BREWBAKER | 7/29/94 | ANGULAR                               | LINEAR                              | 0.X                               | ±0.3                                                                                                | size          | A4           |  |
| Eng                | T.HANNA      | 7/29/94 |                                       |                                     | 0.XX                              | ±0.15                                                                                               |               | Scale        |  |
| Chr                | J. MURPHY    | 7/29/94 |                                       |                                     | 0.XXX                             | ±0.05                                                                                               |               | 1.000        |  |
| Appr               | T.HANNA      | 7/29/94 | Product family                        |                                     |                                   | BERGSTIK                                                                                            | ECN           |              |  |
|                    |              |         | title                                 |                                     |                                   | BERGSTIK® II HEADER                                                                                 |               |              |  |
|                    |              |         |                                       |                                     |                                   | .100/2.54 DR SELF-RET                                                                               |               |              |  |
|                    |              |         | catalog no                            |                                     |                                   | CUSTOMER                                                                                            |               | sheet 4 of 4 |  |
|                    |              |         |                                       |                                     |                                   | dwg no                                                                                              |               | 69192        |  |
|                    |              |         |                                       |                                     |                                   | Rev.                                                                                                |               | AP           |  |

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PDS: Rev :AP

STATUS:Released

Printed: Oct 29, 2013