

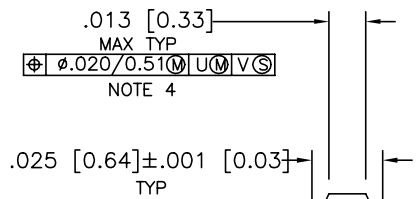
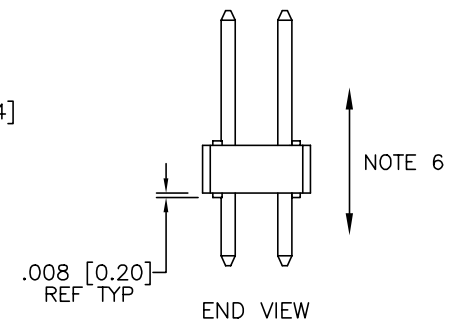
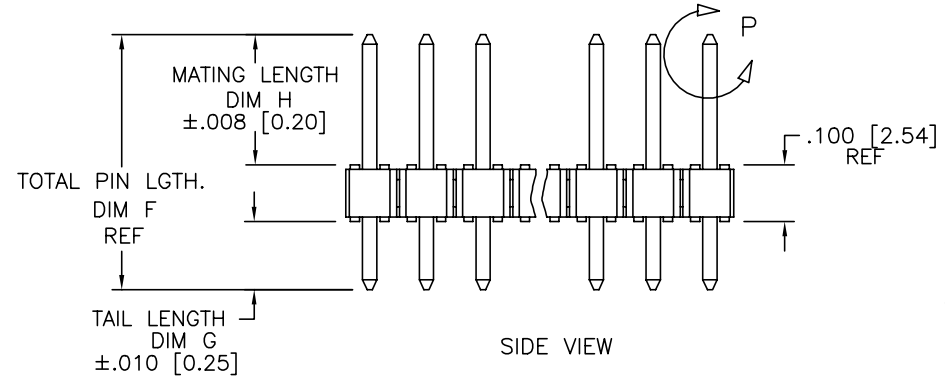
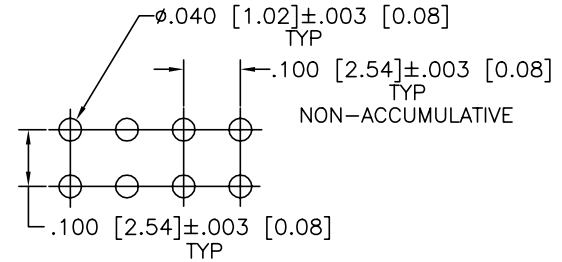
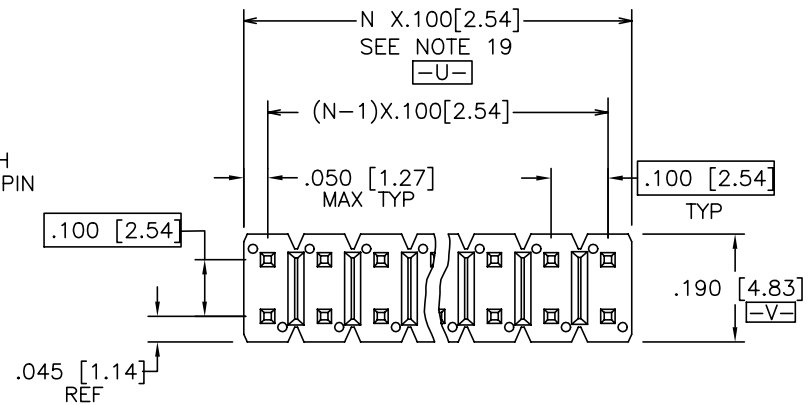


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PRODUCT NUMBER  
10119109-XXXXXXLF

- LEAD FREE  
SEE NOTE 1,13
- SPECIAL OPTIONS  
SEE NOTE 1 OR 10
- INDICATE DIFFERENT MATING LENGTH  
AND TAIL LENGTH AND POLARIZED PIN  
AND OTHER INFORMATION
- NO OF  
POSITIONS  
SEE NOTE 1
- PIN PLATING  
SEE SHEET 2
- BASE PART NO.



25° ± 5°  
4 SIDES  
DETAIL P  
SCALE 5:1  
TYP BOTH ENDS

|                                |             |          |            |                       |        |                                       |                                                         |                                                                                                                             |           |                                               |  |              |  |          |         |
|--------------------------------|-------------|----------|------------|-----------------------|--------|---------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------|--|--------------|--|----------|---------|
| mat'l. code<br>SEE NOTES 2 & 3 |             |          |            | surface<br>ISO 1302 ✓ |        | tolerance<br>ISO 406<br>ISO 1101      |                                                         | projection<br><br>INCH/MM<br>scale 1:1 |           | product family<br>BERGSTIK                    |  |              |  |          |         |
| ltr                            | ecn         | no       | dr         | date                  |        | tolerances unless otherwise specified |                                                         |                                                                                                                             |           |                                               |  | title        |  |          |         |
| H                              | ELX-N-16636 | ZK       | 2014-1-3   |                       | angles | linear                                | XXX±01/XXX.3<br>XXX±005/XXX±0.13<br>XXX±0.020/XXX±0.051 |                                                                                                                             | scale 1:1 | BERGSTIK® II HDR. D/R<br>.100/2.54cc STRAIGHT |  |              |  |          |         |
| C                              | ELX-N-13374 | DCS      | 2012-11-06 |                       |        |                                       | 0±2°                                                    |                                                                                                                             |           |                                               |  |              |  |          |         |
| D                              | ELX-N-13657 | DCS      | 2012-12-11 |                       | dr     | J.ZHOU                                |                                                         | 2011-11-04                                                                                                                  |           | dwg no                                        |  | sheet 1 of 4 |  | size     |         |
| E                              | ELX-N-14087 | ZK       | 2013-02-22 |                       | engr   | J.ZHOU                                |                                                         | 2011-11-04                                                                                                                  |           |                                               |  |              |  |          |         |
| F                              | ELX-N-14820 | ZK       | 2013-05-22 |                       | chr    | J.ZHOU                                |                                                         | 2011-11-04                                                                                                                  |           | 10119109                                      |  | A3           |  |          |         |
| G                              | ELX-N-14943 | ZK       | 2013-06-10 |                       | appd   | J.ZHOU                                |                                                         | 2011-11-04                                                                                                                  |           |                                               |  |              |  |          |         |
| sheet                          |             | revision |            | H                     | H      | H                                     | H                                                       |                                                                                                                             |           | type                                          |  | Product      |  | Customer | Drawing |
| index                          |             | sheet    |            | 1                     | 2      | 3                                     | 4                                                       |                                                                                                                             |           |                                               |  |              |  |          |         |



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## NOTES

## ①. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

NUMBER OF POSITIONS :

EVEN NUMBER OF POSITIONS FROM 2 (2X1) THROUGH 72 (2X36).  
-X00H INDICATES BERGSTRIPTM PRODUCT. SEE PAGE 3  
FOR SPECIAL GEOMETRY OF THIS CONTINUOUS STRIP PRODUCT.  
AUTOMATED REELS WILL CONTAIN 45,000 PINS.  
SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

## PACKAGING:

PACKAGED IN POLY BAGS.  
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED  
IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.  
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "G" ARE PACKAGED  
IN GPAX FOR IBM ONLY. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.  
PART NUMBERS FOLLOWED BY A "C" ARE PACKAGED IN TUBES  
WITH A PICKUP CAP APPLIED.

## LEAD FREE:

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

## ②. BODY MATERIAL:

HIGH TEMPERATURE MATERIAL:

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

BERGSTRIPTM PRODUCED WITH HIGH TEMPERATURE LCP  
THERMOPLASTIC, FLAME RETARDENT PER UL-94V-0.  
COLOR: BLACK

PART NUMBERS WITH "H" AND WITHOUT 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: COPPER ALLOY.

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

⑨. NOTCH CONFIGURATION WILL VARY PER VENDOR'S DISCRETION.

⑩. BERGSTRIPTM PART NUMBERS FOLLOWED BY  
BY A "B" ARE BULK PRICED.

⑪. TAIL LENGTH (DIM. G) TO BE ±.008/.020.

12. POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED,  
BUT FLATNESS AND CURVATURE MAY NOT BE  
HELD AS CLOSE AS 36 POSITIONS.

⑬. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

⑭. PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

⑮. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND  
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT  
ENVIRONMENTS."

⑯. THE OAL DON'T EXCEED 34.5mm

⑰. INCREMENTS BY 0.1mm IN LENGTHS ONLY

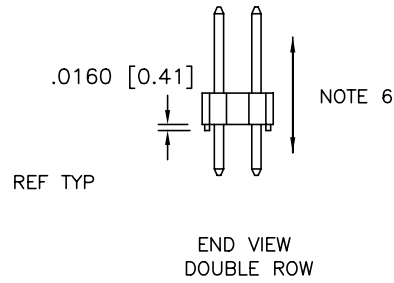
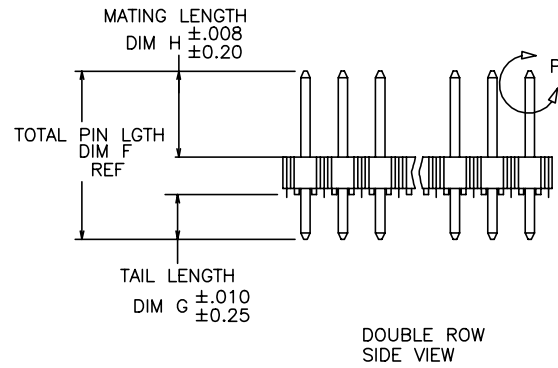
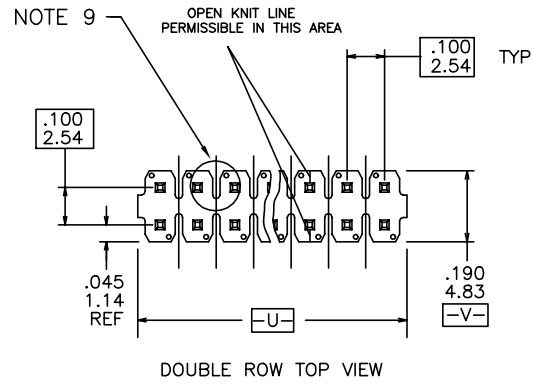
18. FOR SPECIAL PACKAGING REQUEST PLEASE CONTACT PRODUCT MANAGER FOR AVAILABILITY

⑰. TO DETERMINE DIMENSIONS:  
N=NUMBER OF POSITION PER ROW  
EXAMPLE: 10 POS. N X .100/2.54

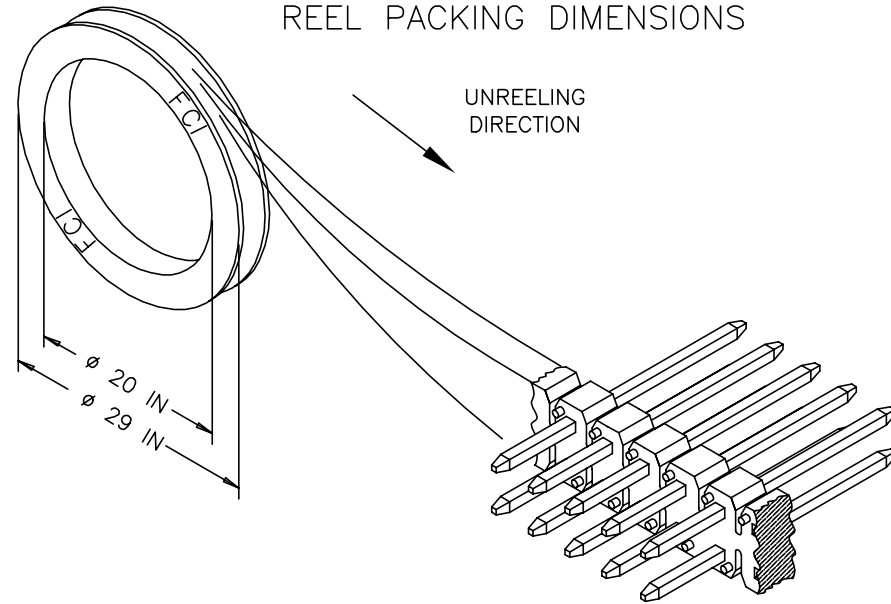
20. PRODUCT SPECIFICATION BUS-12-050.

|                                |                |    |    |      |                                       |        |                                  |                                                                                       |                                                                                                               |                               |                            |              |      |  |
|--------------------------------|----------------|----|----|------|---------------------------------------|--------|----------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------|--------------|------|--|
| mat'l. code<br>SEE NOTES 2 & 3 |                |    |    |      | surface<br>ISO 1302 ✓                 |        | tolerance<br>ISO 406<br>ISO 1101 |                                                                                       | <br>INCH/MM<br>scale 1:1 |                               | product family<br>BERGSTIK |              |      |  |
| ltr                            | ecn            | no | dr | date | tolerances unless otherwise specified |        |                                  |                                                                                       |                                                                                                               |                               | title                      |              |      |  |
| H                              |                |    |    |      | angles                                | linear | XX±01/XX±0.3                     |                                                                                       | BERGSTIK® II HDR. D/R<br>.100/2.54cc STRAIGHT                                                                 |                               |                            |              |      |  |
|                                |                |    |    |      |                                       |        | XXX±005/XX±0.13                  |                                                                                       |                                                                                                               |                               |                            |              |      |  |
|                                |                |    |    |      | 0±2°                                  |        | XXXX±0020/XXX±0.051              |                                                                                       |                                                                                                               |                               |                            |              |      |  |
|                                |                |    |    |      | dr                                    | J.ZHOU | 2011-11-04                       |  |                                                                                                               | dwg no                        |                            | sheet 2 of 4 | size |  |
|                                |                |    |    |      | enr                                   | J.ZHOU | 2011-11-04                       |                                                                                       |                                                                                                               | 10119109                      |                            | A3           |      |  |
|                                |                |    |    |      | chr                                   | J.ZHOU | 2011-11-04                       |                                                                                       |                                                                                                               | type Product Customer Drawing |                            |              |      |  |
|                                |                |    |    |      | appd                                  | J.ZHOU | 2011-11-04                       |                                                                                       |                                                                                                               |                               |                            |              |      |  |
| sheet index                    | revision sheet |    |    |      |                                       |        |                                  |                                                                                       |                                                                                                               |                               |                            |              |      |  |

BERGSTRIPTM HEADER



REEL PACKING DIMENSIONS



|                                |     |                |    |      |                                       |        |                                  |                        |                                                                                                     |          |                                               |       |  |  |              |  |      |
|--------------------------------|-----|----------------|----|------|---------------------------------------|--------|----------------------------------|------------------------|-----------------------------------------------------------------------------------------------------|----------|-----------------------------------------------|-------|--|--|--------------|--|------|
| mat'l. code<br>SEE NOTES 2 & 3 |     |                |    |      | surface<br>ISO 1302 ✓                 |        | tolerance<br>ISO 406<br>ISO 1101 |                        | projection<br> |          | product family<br>BERGSTIK                    |       |  |  |              |  |      |
| ltr                            | ecn | no             | dr | date | tolerances unless otherwise specified |        |                                  |                        |                                                                                                     |          |                                               | title |  |  |              |  |      |
| H                              |     |                |    |      | angles                                |        | linear                           | .XX±.01/.XX±.03        |                                                                                                     | INCH/MM  | BERGSTIK® II HDR. D/R<br>.100/2.54cc STRAIGHT |       |  |  |              |  |      |
|                                |     |                |    |      | 0±2°                                  |        |                                  | .XXX±.005/.XXX±.013    |                                                                                                     |          |                                               |       |  |  |              |  |      |
|                                |     |                |    |      |                                       |        |                                  | .XXXX±.0020/.XXX±.0051 |                                                                                                     |          |                                               |       |  |  |              |  |      |
|                                |     |                |    |      | dr                                    | J.ZHOU | 2011-11-04                       |                        |                | dwg no   |                                               |       |  |  | sheet 3 of 4 |  | size |
|                                |     |                |    |      | enr                                   | J.ZHOU | 2011-11-04                       |                        |                                                                                                     | 10119109 |                                               |       |  |  | A3           |  |      |
|                                |     |                |    |      | chr                                   | J.ZHOU | 2011-11-04                       |                        |                                                                                                     |          |                                               |       |  |  |              |  |      |
|                                |     |                |    |      | appd                                  | J.ZHOU | 2011-11-04                       |                        |                                                                                                     |          |                                               |       |  |  |              |  |      |
| sheet index                    |     | revision sheet |    |      |                                       |        |                                  |                        |                                                                                                     |          |                                               |       |  |  |              |  |      |

| PRODUCT NUMBER   | TOT. PIN LGTH. |        | TAIL LENGTH |        | MATING LENGTH |        | BERGSTRIPTM |
|------------------|----------------|--------|-------------|--------|---------------|--------|-------------|
|                  | DIM F          | DIM F  | DIM G       | DIM G  | DIM H         | DIM H  | AVAILABLE   |
|                  | ENGLISH        | METRIC | ENGLISH     | METRIC | ENGLISH       | METRIC |             |
| 10119109-XY001LF | 0.938          | 23.83  | 0.520       | 13.21  | 0.318         | 8.08   | NO          |
| 10119109-XY002LF | 0.720          | 18.29  | 0.120       | 3.05   | 0.500         | 12.70  | NO          |
| 10119109-XY003LF | 0.825          | 20.96  | 0.115       | 2.92   | 0.610         | 15.49  | NO          |
| 10119109-XY004LF | 0.425          | 10.80  | 0.095       | 2.41   | 0.230         | 5.84   | NO          |
| 10119109-XY005LF | 0.525          | 13.34  | 0.107       | 2.72   | 0.318         | 8.08   | NO          |
| 10119109-XY006LF | 0.650          | 16.51  | 0.120       | 3.05   | 0.430         | 10.92  | NO          |
| 10119109-XY007LF | 0.480          | 12.19  | 0.095       | 2.41   | 0.285         | 7.24   | NO          |
| 10119109-XY008LF | 0.475          | 12.07  | 0.120       | 3.05   | 0.255         | 6.48   | NO          |
| 10119109-XY009LF | 0.825          | 20.96  | 0.115       | 2.92   | 0.610         | 15.49  | NO          |
| 10119109-XY010LF | 0.538          | 13.67  | 0.120       | 3.05   | 0.318         | 8.08   | NO          |
| 10119109-XY011LF | 0.938          | 23.83  | 0.520       | 13.21  | 0.318         | 8.08   | NO          |
| 10119109-XY012LF | 0.440          | 11.18  | 0.110       | 2.79   | 0.230         | 5.84   | NO          |
| 10119109-XY013LF | 0.720          | 18.29  | 0.120       | 3.05   | 0.500         | 12.70  | NO          |
| 10119109-XY014LF | 0.760          | 19.30  | 0.120       | 3.05   | 0.540         | 13.72  | NO          |
| 10119109-XY015LF | 0.410          | 10.41  | 0.110       | 2.79   | 0.200         | 5.08   | NO          |
| 10119109-XY016LF | 0.720          | 18.29  | 0.120       | 3.05   | 0.500         | 12.70  | NO          |
| 10119109-XY017LF | 1.100          | 27.94  | 0.500       | 12.70  | 0.500         | 12.70  | NO          |
| 10119109-XY018LF | 0.555          | 14.10  | 0.225       | 5.72   | 0.230         | 5.84   | NO          |
| 10119109-XY019LF | 0.588          | 14.94  | 0.170       | 4.32   | 0.318         | 8.08   | NO          |
| 10119109-XY020LF | 0.430          | 10.93  | 0.090       | 2.29   | 0.240         | 6.10   | NO          |
| 10119109-XY021LF | 0.460          | 11.69  | 0.120       | 3.05   | 0.240         | 6.10   | NO          |
| 10119109-XY022LF | 0.450          | 11.43  | 0.120       | 3.05   | 0.230         | 5.84   | NO          |
| 10119109-XY023LF | 0.548          | 13.92  | 0.130       | 3.30   | 0.318         | 8.08   | NO          |
| 10119109-XY024LF | 0.620          | 15.75  | 0.120       | 3.05   | 0.400         | 10.16  | NO          |
| 10119109-XY025LF | 0.828          | 21.03  | 0.410       | 10.41  | 0.318         | 8.08   | NO          |
| 10119109-XY026LF | 0.736          | 18.69  | 0.318       | 8.08   | 0.318         | 8.08   | NO          |
| 10119109-XY027LF | 0.615          | 15.62  | 0.285       | 7.24   | 0.230         | 5.84   | NO          |
| 10119109-XY028LF | 0.730          | 18.54  | 0.200       | 5.08   | 0.430         | 10.92  | NO          |
| 10119109-XY029LF | 0.486          | 12.34  | 0.156       | 3.96   | 0.230         | 5.84   | NO          |

LF

NOTE 1,13

A

A

B

1

C

C

D

D



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