

## Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)  
[10119110-504001LF](#)

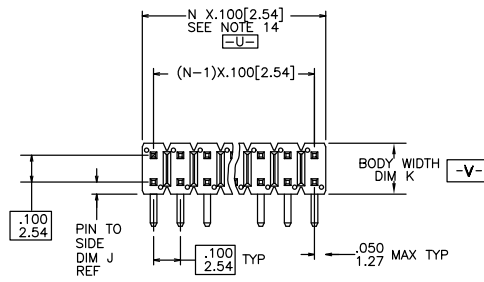
For any questions, you can email us directly:

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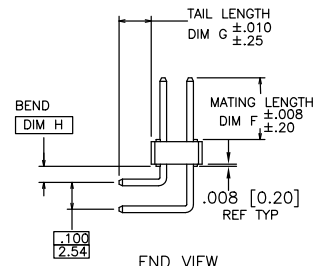
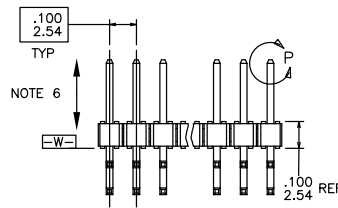
PRODUCT NUMBER

10119110-XXX XXX XLF

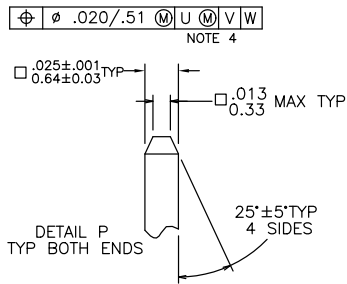
- LEAD FREE OPTION  
SEE NOTE 1,7
- PACKAGING OPTION  
SEE NOTE 1
- INDICATE DIFFERENT MATING LENGTH  
AND TAIL LENGTH AND POLARIZED PIN  
AND OTHER INFORMATION
- NO OF  
POSITIONS  
SEE NOTE 1
- PIN PLATING  
SEE SHEET 2
- BASE PART NO.



TOP VIEW



END VIEW



|             |          |     |            |                                       |                     |            |                          |
|-------------|----------|-----|------------|---------------------------------------|---------------------|------------|--------------------------|
| mat'l. code |          |     |            | surface                               | tolerance           | projection | product family           |
| NOTES 2 & 3 |          |     |            | ISO 1302 ✓                            | ISO 406<br>ISO 1101 |            | BERGSTIK                 |
| ltr         | ec       | no  | dr         | tolerances unless otherwise specified |                     |            | title                    |
| A           | ---      | DCS | 2012-10-22 | angles                                | linear              | INCH/MM    | BERGSTIK® II HEADER      |
|             |          |     |            | 0°±2'                                 |                     | scale 1:1  | .100/2.54cc DR R/A       |
|             |          |     |            | dr                                    | J.ZHOU              | 2011-09-21 | dwg no                   |
|             |          |     |            | engr                                  | J.ZHOU              | 2011-09-21 | 10119110                 |
|             |          |     |            | chr                                   | J.ZHOU              | 2011-09-21 | sheet 1 of 3 size        |
|             |          |     |            | appd                                  |                     |            | A3                       |
| sheet       | revision | A   | A          |                                       |                     |            | type                     |
| index       | sheet    | 1   | 2          |                                       |                     |            | Product Customer Drawing |

PDS: Rev :A STATUS: Released Printed: Nov 14, 2012

| PIN PLATING CODES: |                                                        |
|--------------------|--------------------------------------------------------|
| 10119110-1YYYXXLF  | 30u"/0.76u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni     |
| 10119110-2YYYXXLF  | 15u"/0.38u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni     |
| 10119110-3YYYXXLF  | 50u"/1.27u MIN Au OVER 50u"/1.27u MIN Ni               |
| 10119110-4YYYXXLF  | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 9) |
| 10119110-5YYYXXLF  | 30u"/0.76u MIN Au OVER 50u"/1.27u MIN Ni               |
| 10119110-6YYYXXLF  | 15u"/0.38u MIN Au OVER 50u"/1.27u MIN Ni               |
| 10119110-7YYYXXLF  | 15u"/0.38u MIN GXT OVER 50u"/1.27u MIN Ni              |
| 10119110-8YYYXXLF  | 30u"/0.76u MIN GXT OVER 50u"/1.27u MIN Ni              |

# NOTES

## (1) PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

NUMBER OF POSITION:

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

PACKAGING:

PACKAGED IN POLY BAGS.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED

IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

LEAD FREE:

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

## (2) BODY MATERIAL:

HIGH TEMP. MATERIAL:

MANUFACTURER'S OPTION OF NYLON, PCT GLASS FIBER

REINFORCED, OR MINERAL FILLED LCP FLAME RETARDANT PER UL-94V-0.

COLOR: BLACK.

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

## (8) PLATING OPTIONS:

MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

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

## (10) THE OAL DON'T EXCEED 31mm

OAL= MATTING DIM + TAIL DIM +4.0mm<=31mm "WHERE THE SUM OF TAIL

LEGTH DON'T EXCEED 27mm" TAIL

TAIL LENGTH MIN 2.00mm TAIL LENGTH MAX 10.4mm

MATTING LENGTH MIN 1.5mm MATTING LENGTH MAX 25.4mm

## (11) INCREMENTS BY 0.1mm IN LENGTH ONLY

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

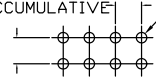
13. BEND DIMENSION AT 1.5mm ONLY

## (14) TO DETERMINE DIMENSIONS:

N=NUMBER OF POSITION PER ROW

EXAMPLE: 10 POS. N X .100/2.54

.100±.003 [2.54±.08]  
TYP. NON-ACCUMULATIVE



.100±.003 [2.54±.08]

RECOMMENDED HOLE PATTERN

| mat'l. code |          |    |    | surface  | tolerance                             | projection | product family      |                          |
|-------------|----------|----|----|----------|---------------------------------------|------------|---------------------|--------------------------|
| NOTES 2 & 3 |          |    |    | ISO 1302 | ISO 406                               |            | BERGSTIK            |                          |
| ltr         | ecn      | no | dr | date     | tolerances unless otherwise specified |            | title               |                          |
| A           |          |    |    |          | angles                                | linear     | BERGSTIK® II HEADER |                          |
|             |          |    |    |          | 0°±2'                                 |            | .100/2.54cc DR R/A  |                          |
|             |          |    |    |          | dr                                    | J.ZHOU     | 2011-09-21          |                          |
|             |          |    |    |          | enrg                                  | J.ZHOU     | 2011-09-21          |                          |
|             |          |    |    |          | chr                                   | J.ZHOU     | 2011-09-21          |                          |
|             |          |    |    |          | appd                                  | -          | -                   |                          |
| sheet       | revision |    |    |          |                                       |            | dwg no              | sheet 2 of 3 size        |
| index       | sheet    |    |    |          |                                       |            | 10119110            | A3                       |
|             |          |    |    |          |                                       |            | type                | Product Customer Drawing |

4 PDS: Rev :A

STATUS: Released

Printed: Nov 14, 2012

| PRODUCT NUMBER   | MATING LENGTH |        | TAIL LENGTH |        | BEND DIM |        | PIN TO SIDE |        | BODY WIDTH |        | LF       |
|------------------|---------------|--------|-------------|--------|----------|--------|-------------|--------|------------|--------|----------|
|                  | DIM F         | DIM F  | DIM G       | DIM G  | DIM H    | DIM H  | DIM J       | DIM J  | DIM K      | DIM K  |          |
|                  | ENGLISH       | METRIC | ENGLISH     | METRIC | ENGLISH  | METRIC | ENGLISH     | METRIC | ENGLISH    | METRIC |          |
| 10119110-XY001LF | 0.230         | 5.84   | 0.120       | 3.05   | 0.060    | 1.52   | 0.045       | 1.14   | 0.190      | 4.83   | NOTE 1,7 |
| 10119110-XY002LF | 0.230         | 5.84   | 0.150       | 3.81   | 0.060    | 1.52   | 0.070       | 1.78   | 0.240      | 6.10   | NOTE 1,7 |
| 10119110-XY003LF | 0.318         | 8.08   | 0.318       | 8.08   | 0.060    | 1.52   | 0.045       | 1.14   | 0.190      | 4.83   | NOTE 1,7 |

|                |     |    |    |            |        |                                                   |  |                                                                                                  |                                           |  |  |  |
|----------------|-----|----|----|------------|--------|---------------------------------------------------|--|--------------------------------------------------------------------------------------------------|-------------------------------------------|--|--|--|
| mat'l. code    |     |    |    | surface    |        | tolerance                                         |  | projection                                                                                       | product family                            |  |  |  |
| NOTES 2 & 3    |     |    |    | ISO 1302 ✓ |        | ISO 406<br>ISO 1101                               |  |                                                                                                  | BERGSTIK                                  |  |  |  |
| ltr            | ecn | no | dr | date       |        | tolerances unless otherwise specified             |  | <br>INCH/MM | title                                     |  |  |  |
| A              |     |    |    |            |        | 3000/240.3<br>300005/2040.13<br>3000000/20240.051 |  |                                                                                                  | BERGSTIK® II HEADER<br>.100/2.54cc DR R/A |  |  |  |
|                |     |    |    | angles     | linear |                                                   |  | scale 1:1                                                                                        | dwg no sheet 3 of 3 size                  |  |  |  |
|                |     |    |    | 0°±2'      |        |                                                   |  |             | 10119110 A3                               |  |  |  |
|                |     |    |    | dr         | J.ZHOU | 2011-09-21                                        |  |                                                                                                  | type                                      |  |  |  |
|                |     |    |    | engr       | J.ZHOU | 2011-09-21                                        |  |                                                                                                  | Product                                   |  |  |  |
|                |     |    |    | chr        | J.ZHOU | 2011-09-21                                        |  |                                                                                                  | Customer                                  |  |  |  |
|                |     |    |    | appd       | -      |                                                   |  |                                                                                                  | Drawing                                   |  |  |  |
| sheet revision |     |    |    | sheet      |        |                                                   |  |                                                                                                  |                                           |  |  |  |
|                |     |    |    |            |        |                                                   |  |                                                                                                  |                                           |  |  |  |