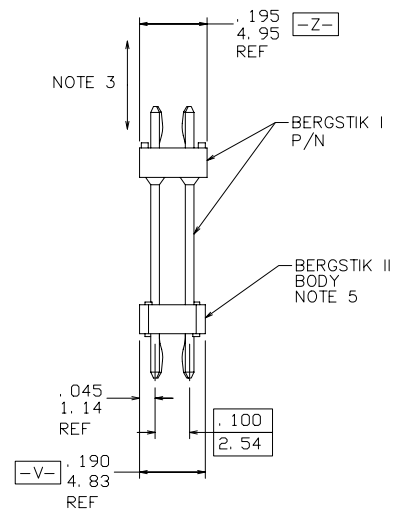
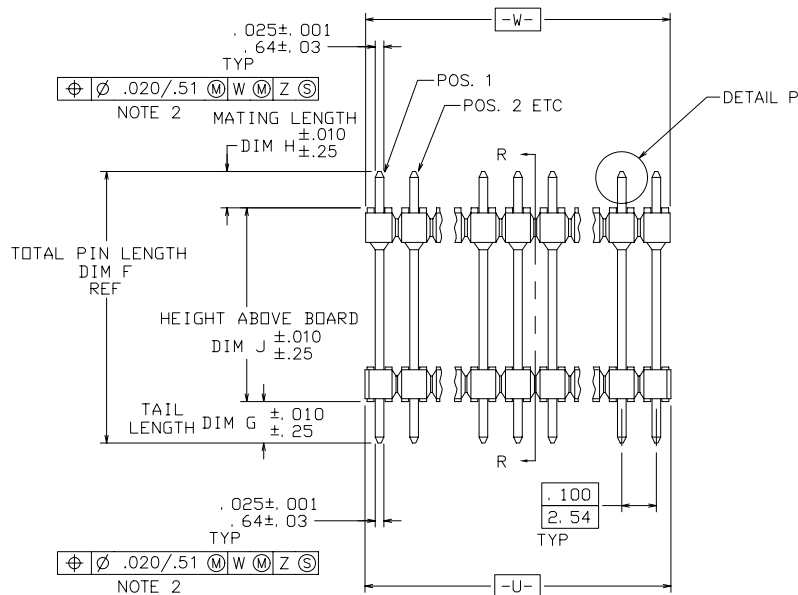
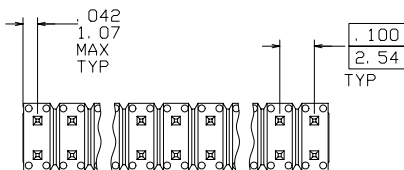


PRODUCT NUMBER

XXXX-XXXHLF

LEAD FREE OPTION (NOTE 9, 10)  
HIGH TEMPERATURE PLASTIC (NOTE 5)

PRODUCT PART NO.  
SEE SHEET 3

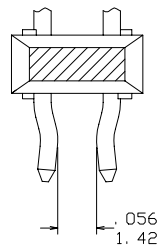
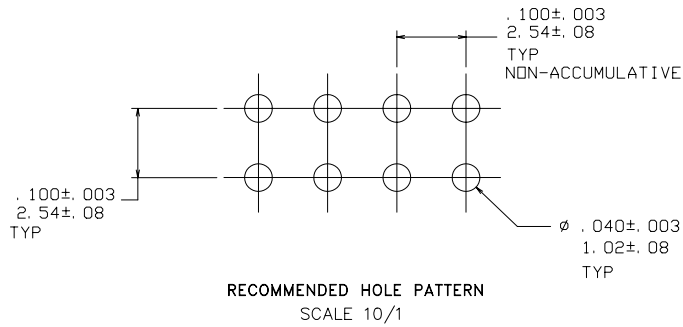


|             |          |     |    |          |                                       |                     |            |                               |  |  |
|-------------|----------|-----|----|----------|---------------------------------------|---------------------|------------|-------------------------------|--|--|
| mat'l. code |          |     |    | surface  |                                       | tolerance           | projection | product family                |  |  |
| -           |          |     |    | ISO 1302 |                                       | ISO 406<br>ISO 1101 |            | BERGSTIK                      |  |  |
| ltr         | ecn      | no  | dr | date     | tolerances unless otherwise specified |                     |            | title                         |  |  |
| C           | V41108   | HTB |    | 8/01/94  | angles                                | linear              |            | BERGSTIK® II HDR D/A          |  |  |
| D           | V41507   | MSC |    | 10/28/04 |                                       |                     |            | .1 RRTRK HYBRID S-RET         |  |  |
| E           | V60565   | HTB |    | 4/08/96  | 0°±2°                                 |                     |            | dwg no                        |  |  |
| F           | V70985   | HTB |    | 7/11/97  | dr                                    | T. BREWBAKER        |            | sheet 1 of 3 size             |  |  |
| G           | V20832   | GIP |    | 7/12/02  | enr                                   | T. HANNA            |            | 90092                         |  |  |
| H           | M05-0175 | ERE |    | 8/10/05  | chr                                   | J. MURPHY           |            | A3                            |  |  |
| J           | M06-0270 | AEA |    | 7/14/06  | appd                                  | T. HANNA            |            | type Product Customer Drawing |  |  |
| sheet       | revision | J   | J  | J        |                                       |                     |            |                               |  |  |
| index       | sheet    | 1   | 2  | 3        |                                       |                     |            |                               |  |  |

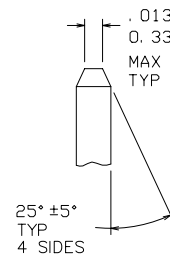


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SECTION R-R  
SCALE 10/1  
NOTE 1



DETAIL P  
SCALE 20/1  
TYP BOTH ENDS

|             |                |    |    |            |                                       |                          |                               |
|-------------|----------------|----|----|------------|---------------------------------------|--------------------------|-------------------------------|
| mat'l. code |                |    |    | surface    | tolerance                             | projection               | product family                |
| -           |                |    |    | ISO 1302 ✓ | ISO 406<br>ISO 1101                   | ⊕                        | BERGSTIK                      |
| ltr         | ecn            | no | dr | date       | tolerances unless otherwise specified | INCH/MM<br>scale 1:1<br> | title                         |
| J           |                |    |    |            | angles linear .XX ±.01/.3             |                          | BERGSTIK® II HDR D/A          |
|             |                |    |    |            | .XXX ±.005/.13                        |                          | .1 RRTRK HYBRID S-RET         |
|             |                |    |    |            | 0°±2° .XXXX ±.0020/.051               |                          |                               |
|             |                |    |    | dr         | T. BREWBAKER 8/01/94                  | FCI                      | dwg no                        |
|             |                |    |    | enr        | T. HANNA 8/01/94                      |                          | 90092                         |
|             |                |    |    | chr        | J. MURPHY 8/01/94                     |                          | sheet 2 of 3                  |
|             |                |    |    | appd       | T. HANNA 8/01/94                      |                          | size A3                       |
| sheet index | revision sheet |    |    |            |                                       |                          | type Product Customer Drawing |

form: A3

| PRODUCT NUMBER |      | TOTAL PIN LENGTH |        | TAIL LENGTH |        | MATING LENGTH |        | HEIGHT ABOVE BOARD |        |               |
|----------------|------|------------------|--------|-------------|--------|---------------|--------|--------------------|--------|---------------|
| NOTE 9         |      | DIM F            | DIM F  | DIM G       | DIM G  | DIM H         | DIM H  | DIM J              | DIM J  | RETENTION     |
|                | SIZE | ENGLISH          | METRIC | ENGLISH     | METRIC | ENGLISH       | METRIC | ENGLISH            | METRIC | SIDES         |
| 90092-520      | 2x10 | 0.490            | 12.45  | 0.120       | 3.05   | 0.120         | 3.05   | 0.250              | 6.35   | TAIL & MATING |
| 90093-510      | 2x5  | 0.785            | 19.94  | 0.120       | 3.05   | 0.120         | 3.05   | 0.545              | 13.84  | TAIL & MATING |
| 90094-512      | 2x6  | 0.990            | 25.15  | 0.120       | 3.05   | 0.120         | 3.05   | 0.750              | 19.05  | TAIL & MATING |
| 95046-520H     | 2x10 | 0.430            | 10.92  | 0.090       | 2.29   | 0.090         | 2.29   | 0.250              | 6.35   | TAIL & MATING |
| 95047-510H     | 2x5  | 0.725            | 18.42  | 0.090       | 2.29   | 0.090         | 2.29   | 0.545              | 13.84  | TAIL & MATING |
| 95048-512H     | 2x6  | 0.930            | 23.62  | 0.090       | 2.29   | 0.090         | 2.29   | 0.750              | 19.05  | TAIL & MATING |
| 90092-520HLF   | 2x10 | 0.490            | 12.45  | 0.120       | 3.05   | 0.120         | 3.05   | 0.250              | 6.35   | TAIL & MATING |
| 90093-510HLF   | 2x5  | 0.785            | 19.94  | 0.120       | 3.05   | 0.120         | 3.05   | 0.545              | 13.84  | TAIL & MATING |
| 90094-512HLF   | 2x6  | 0.990            | 25.15  | 0.120       | 3.05   | 0.120         | 3.05   | 0.750              | 19.05  | TAIL & MATING |
| 95046-520HLF   | 2x10 | 0.430            | 10.92  | 0.090       | 2.29   | 0.090         | 2.29   | 0.250              | 6.35   | TAIL & MATING |
| 95047-510HLF   | 2x5  | 0.725            | 18.42  | 0.090       | 2.29   | 0.090         | 2.29   | 0.545              | 13.84  | TAIL & MATING |
| 95048-512HLF   | 2x6  | 0.930            | 23.62  | 0.090       | 2.29   | 0.090         | 2.29   | 0.750              | 19.05  | TAIL & MATING |

NOTES:

①. SECTION R-R DIMENSIONS APPLY TO BOTH ENDS OF RETENTION PIN POSITIONS ONLY. LOCATED AT MANUFACTURER'S OPTION. DIMENSION SHOWN APPLIES TO .120/3.05 TAIL LENGTH ONLY. ON OTHER TAIL LENGTHS, RETENTION DIMENSIONS MAY VARY.

②. MEASURED WITH PART IN RESTRAINED CONDITION.

③. 2LB/.9KG MIN PIN RETENTION IN EITHER DIRECTION.

4. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.

⑤. BODY MAT'L: BERGSTIK I BODY IS GLASS FILLED NYLON RATED PER UL 94V-0. COLOR: CREAM

BERGSTIK II BODY IS GLASS FIBER REINFORCED PCT RATED PER UL 94 V-0. COLOR-BLACK.  
ALL PARTS, WITH OR WITHOUT AN "H" SUFFIX, WILL USE PCT.

PIN MAT'L: PHOS-BRONZE.

PIN PLATING: 15u"/.38u MIN Au OVER 50u"/1.27u MIN Ni.

6. 5LBS/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.

7. SEE TABLE FOR SIZES AVAILABLE.

8. PACKAGED IN POLYBAGS.

⑨. PART NUMBERS WITH "HLF" SUFFIX AT THE END ARE LEAD FREE.

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

11. 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.

⑫. PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

|             |          |    |    |            |                                                                  |                                                                                                                                                                                                        |                               |
|-------------|----------|----|----|------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| mat'l. code |          |    |    | surface    | tolerance                                                        | projection                                                                                                                                                                                             | product family                |
| -           |          |    |    | ISO 1302 ✓ | ISO 406<br>ISO 1101                                              |                                                                                                                                                                                                        | BERGSTIK                      |
| ltr         | ecn      | no | dr | date       | tolerances unless otherwise specified                            | <br>INCH/MM<br>scale 1:1<br> | title                         |
| J           |          |    |    |            | angles linear .XX ±.01/.3<br>.XXX ±.005/.13<br>.XXXX ±.0020/.051 |                                                                                                                                                                                                        | BERGSTIK® II HDR D/A          |
|             |          |    |    |            | dr T. BREWBAKER 8/01/94                                          |                                                                                                                                                                                                        | .1 RRTRK HYBRID S-RET         |
|             |          |    |    |            | enr T. HANNA 8/01/94                                             |                                                                                                                                                                                                        | dwg no                        |
|             |          |    |    |            | chr J. MURPHY 8/01/94                                            |                                                                                                                                                                                                        | sheet 3 of 3 size             |
|             |          |    |    |            | appd T. HANNA 8/01/94                                            |                                                                                                                                                                                                        | A3                            |
| sheet       | revision |    |    |            |                                                                  |                                                                                                                                                                                                        | type Product Customer Drawing |
| index       | sheet    |    |    |            |                                                                  |                                                                                                                                                                                                        |                               |