

Product Number

XXXXX-YYT LF

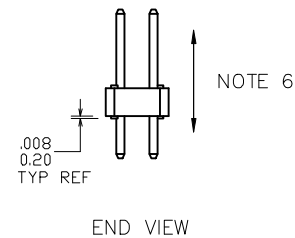
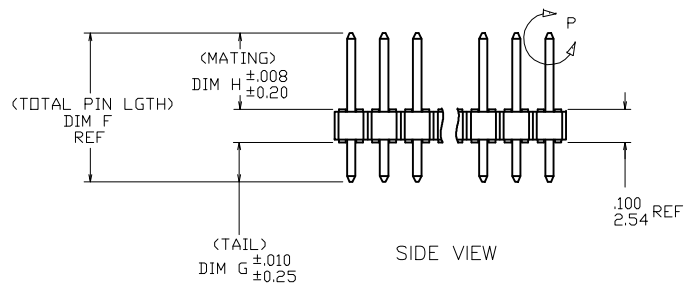
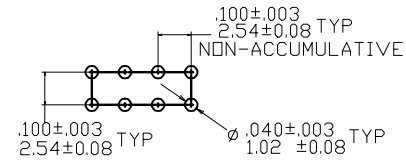
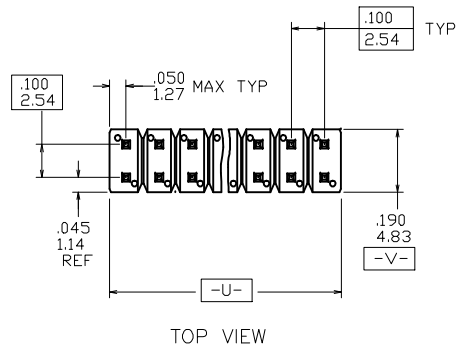
LEAD FREE OPTION  
SEE NOTE 9 & 10

TUBE PACKAGING OPTION  
SEE NOTE 8

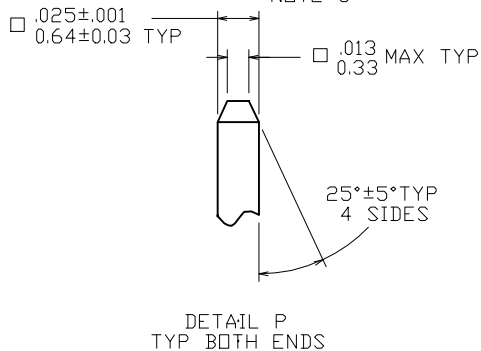
NO. OF POSITIONS  
SEE NOTE 4

PLATING NUMBER  
SEE SHEET 2

BASE PART NO.



⌀ .020/0.51 (M) U (M) V (S)  
NOTE 5

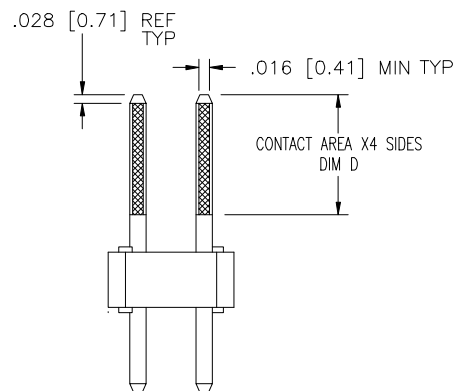


|             |          |     |          |                                       |              |            |                                                       |
|-------------|----------|-----|----------|---------------------------------------|--------------|------------|-------------------------------------------------------|
| mat'l. code |          |     |          | surface                               | tolerance    | projection | product family                                        |
| -           |          |     |          | ISO 1302                              | ISO 1101     | ISO 1302   | BERGSTIK                                              |
| ltr         | ecp no   | dr  | date     | tolerances unless otherwise specified |              | INCH/MM    | title                                                 |
| E           | v20273   | GIP | 02/14/02 | angles                                | linear       |            |                                                       |
| F           | v20888   | LP  | 2/14/02  |                                       |              |            |                                                       |
| G           | v03-0962 | LP  | 8/29/03  | 0°±2'                                 |              | scale 2:1  |                                                       |
| H           | M05-0118 | ERE | 6/02/05  | dr                                    | T. BREWBAKER | 5/26/94    | BERGSTIK® II HEADER DUPLEX<br>.100/2.54cc DR STRAIGHT |
| J           | M06-0270 | AEA | 7/14/06  | engr                                  | T. HANNA     | 5/26/94    |                                                       |
| K           | M06-0346 | MHT | 9/04/06  | chr                                   | J. MURPHY    | 5/26/94    | dwg no 94644 sheet 1 of 3 size A3                     |
| L           | M08-0291 | MHT | 10/08/08 | appd                                  | T. HANNA     | 5/26/94    |                                                       |
| sheet       | revision | L   | L        | L                                     |              |            | type Product Customer Drawing                         |
| index       | sheet    | 1   | 2        | 3                                     |              |            |                                                       |

| PLATING NUMBER | Contact Area "Dim D" (NOTE 3)    |
|----------------|----------------------------------|
| XXXXX-1YY      | 30u"/0.76u Au OVER 50u"/1.27u Ni |
| XXXXX-2YY      | 15u"/0.38u Au OVER 50u"/1.27u Ni |

# NOTES

- ① .BODY MATERIAL: GLASS FIBER REINFORCED PCT FLAME RETARDANT  
PER UL-94V-O. COLOR: BLACK.  
OR  
MINERAL FILLED LCP FLAME RETARDANT  
PER UL-94V-O. COLOR: BLACK.
- ② PIN MATERIAL: PHOS-BRONZE.
- ③ .FINISH:  
CONTACT AREA: SEE TABLE  
SOLDER TAIL: 100u"/2.54u TIN OVER 50u"/1.27u Ni  
  
LEAD FREE OPTION:  
SOLDER TAIL: 100u"/2.54u TIN OVER 50u"/1.27u Ni
- ④ ANY NUMBER OF POSITIONS FROM 2 (2X1) THRU 72 (2X36).
- ⑤ MEASURED WITH PART IN RESTRAINED CONDITION.
- ⑥ 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
7. PACKAGED IN POLY BAGS.
- ⑧ EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED  
IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.
- ⑨ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- ⑩ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
11. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE  
REFLOW OVEN. OR FOR 15 SECONDS IN A WAVE SOLDER APPLICATION  
WITH A 1.5mm MINIMUM THICK CIRCUIT BOARD. SEE APPLICATION  
NOTES/PROCEDURES IF THEY ARE AVAILABLE.



END VIEW

|             |          |    |      |                                       |              |                                  |  |            |  |                                                                |  |    |
|-------------|----------|----|------|---------------------------------------|--------------|----------------------------------|--|------------|--|----------------------------------------------------------------|--|----|
| mat'l. code |          |    |      | surface<br>ISO 1902                   |              | tolerance<br>ISO 406<br>ISO 1101 |  | projection |  | product family<br>BERGSTIK                                     |  |    |
| ltr         | ecm no   | dr | date | tolerances unless otherwise specified |              |                                  |  |            |  |                                                                |  |    |
| L           |          |    |      | angles                                | linear       | .XX±.01/XX±0.3                   |  | INCH/MM    |  | title<br>BERGSTIK® II HEADER DUPLEX<br>.100/2.54cc DR STRAIGHT |  |    |
|             |          |    |      | 0°±2'                                 |              | .XXX±.006/XX±0.13                |  |            |  |                                                                |  |    |
|             |          |    |      |                                       |              | .XXX±.0020/XXX±0.051             |  | scale 2:1  |  | dwg no                                                         |  |    |
|             |          |    |      | dr                                    | T. BREWBAKER | 5/26/94                          |  |            |  | sheet 2 of 3 size                                              |  |    |
|             |          |    |      | engr                                  | T. HANNA     | 5/26/94                          |  |            |  | 94644                                                          |  | A3 |
|             |          |    |      | chr                                   | J. MURPHY    | 5/26/94                          |  |            |  |                                                                |  |    |
|             |          |    |      | appd                                  | T. HANNA     | 5/26/94                          |  |            |  |                                                                |  |    |
| sheet       | revision |    |      |                                       |              |                                  |  |            |  | type Product Customer Drawing                                  |  |    |
| index       | sheet    |    |      |                                       |              |                                  |  |            |  |                                                                |  |    |

| PRODUCT NO. | 1   TOTAL PIN LENGTH |        | 2   TAIL LENGTH |               | 3   MATING LENGTH |        | 4   CONTACT AREA |        |           |
|-------------|----------------------|--------|-----------------|---------------|-------------------|--------|------------------|--------|-----------|
| NOTE 9      | DIM F                | DIM F  | DIM G           | DIM G         | DIM H             | DIM H  | DIM D            | DIM D  |           |
|             | ENGLISH              | METRIC | ENGLISH         | METRIC        | ENGLISH           | METRIC | ENGLISH          | METRIC | PACKAGING |
| 55853-YYY   | 0.595                | 15.11  | 0.185           | 4.70          | 0.310             | 7.87   | 0.262            | 6.65   | POLYBAGS  |
| 73587-YYY   | 0.830                | 21.08  | 0.365           | 9.27          | 0.365             | 9.27   | 0.200            | 5.08   | POLYBAGS  |
| 94644-YYY   | 0.425                | 10.80  | 0.095           | 2.41          | 0.230             | 5.84   | 0.185            | 4.70   | POLYBAGS  |
| 94656-YYY   | 0.450                | 11.43  | 0.120           | 3.05          | 0.230             | 5.84   | 0.185            | 4.70   | POLYBAGS  |
| 94657-YYY   | 0.525                | 13.34  | 0.107           | 2.72          | 0.318             | 8.08   | 0.200            | 5.08   | POLYBAGS  |
| 94658-YYY   | 0.568                | 14.43  | 0.150           | 3.81          | 0.318             | 8.08   | 0.200            | 5.08   | POLYBAGS  |
| 94683-YYY   | 0.480                | 12.19  | 0.150           | 3.81          | 0.230             | 5.84   | 0.185            | 4.70   | POLYBAGS  |
| 58480-YYY   |                      |        |                 | NOT AVAILABLE |                   |        |                  |        |           |
| 55853-YYLFF | 0.595                | 15.11  | 0.185           | 4.70          | 0.310             | 7.87   | 0.262            | 6.65   | POLYBAGS  |
| 73587-YYLFF | 0.830                | 21.08  | 0.365           | 9.27          | 0.365             | 9.27   | 0.200            | 5.08   | POLYBAGS  |
| 94644-YYLFF | 0.425                | 10.80  | 0.095           | 2.41          | 0.230             | 5.84   | 0.185            | 4.70   | POLYBAGS  |
| 94656-YYLFF | 0.450                | 11.43  | 0.120           | 3.05          | 0.230             | 5.84   | 0.185            | 4.70   | POLYBAGS  |
| 94657-YYLFF | 0.525                | 13.34  | 0.107           | 2.72          | 0.318             | 8.08   | 0.200            | 5.08   | POLYBAGS  |
| 94658-YYLFF | 0.568                | 14.43  | 0.150           | 3.81          | 0.318             | 8.08   | 0.200            | 5.08   | POLYBAGS  |
| 94683-YYLFF | 0.480                | 12.19  | 0.150           | 3.81          | 0.230             | 5.84   | 0.185            | 4.70   | POLYBAGS  |
| 58480-YYY   |                      |        |                 | NOT AVAILABLE |                   |        |                  |        |           |

|             |                |    |      |                                       |        |                                  |  |                                                                                                    |  |                                                                                                               |  |                                                                                                                                      |  |
|-------------|----------------|----|------|---------------------------------------|--------|----------------------------------|--|----------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|--|
| mat'l. code |                |    |      | surface<br>ISO 1302                   |        | tolerance<br>ISO 406<br>ISO 1101 |  | projection                                                                                         |  | product family<br>BERGSTIK                                                                                    |  |                                                                                                                                      |  |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |        |                                  |  |                                                                                                    |  | <br>INCH/MM<br>scale 2:1 |  | title<br>BERGSTIK® II HEADER DUPLEX<br>.100/2.54cc DR STRAIGHT<br>dwg no 94644 sheet 3 of 3 size A3<br>type Product Customer Drawing |  |
| L           |                |    |      | angles                                | linear | XX±.01/XX±0.3                    |  |                                                                                                    |  |                                                                                                               |  |                                                                                                                                      |  |
|             |                |    |      | 0°±2'                                 |        | XXX±.005/XX±0.13                 |  |                                                                                                    |  |                                                                                                               |  |                                                                                                                                      |  |
|             |                |    |      |                                       |        |                                  |  | dr T. BREWBAKER 5/26/94<br>engr T. HANNA 5/26/94<br>chr J. MURPHY 5/26/94<br>appd T. HANNA 5/26/94 |  |                                                                                                               |  |                                                                                                                                      |  |
| sheet index | revision sheet |    |      |                                       |        |                                  |  |                                                                                                    |  |                                                                                                               |  |                                                                                                                                      |  |