

PRODUCT NUMBER

XXXXX-YYTLF

LEAD FREE OPTION (SEE NOTE 11 & 12)

TUBE PACKAGING (SEE NOTE 8)

NO. OF POSITIONS (SEE NOTE 6)

PLATING NUMBER  
(SEE SHEET 2)

BASE PART NO.  
(SEE SHT 3)

$\phi .020/0.51$  U V S  
NOTE 5

$.025 \pm .001$   
 $0.64 \pm 0.03$  TYP

$.013$  MAX TYP  
 $0.33$

**DETAIL P**  
SCALE: 4/1  
TYP BOTH ENDS

$25^\circ \pm 5^\circ$  TYP  
4 SIDES

MATING LENGTH  
DIM H  
NOTE 9

TOTAL PIN LENGTH  
DIM F  
 $\pm .010$   
 $\pm 0.25$

$.100$  TYP  
 $2.54$

$.100$   
 $2.54$

$.050$  MAX  
 $1.27$  TYP

$.045$   
 $1.14$   
REF

$.190$   
 $4.83$   
V

U

$.100$  REF  
 $2.54$

$.084$  [2.13]  
REF

NOTE 4

$.008$  [0.20]  
TYP REF

NOTE 6



|             |          |     |          |                                       |                                  |                          |                                                                        |
|-------------|----------|-----|----------|---------------------------------------|----------------------------------|--------------------------|------------------------------------------------------------------------|
| 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><b>BERGSTIK® II HEADER DR</b><br>.100/2.54cc DUPLEX PRESS FIT |
| C           | V51033   | LSS | 9/1/95   | angles                                | linear                           |                          |                                                                        |
| D           | V71404   | HTB | 10/6/97  |                                       |                                  |                          |                                                                        |
| E           | N05-0070 | MHT | 4/14/05  | 0'±2'                                 |                                  |                          |                                                                        |
| F           | M05-0118 | MHT | 6/03/05  | dr                                    | T. BREWBAKER                     | 11/10/94                 |                                                                        |
| G           | M06-0271 | AGS | 7/17/06  | engr                                  | T. HANNA                         | 11/10/94                 |                                                                        |
| H           | M06-0346 | MHT | 9/04/06  | chr                                   | T. HANNA                         | 11/10/94                 |                                                                        |
| J           | M08-0291 | MHT | 10/08/08 | appd                                  | T. HANNA                         | 5/31/95                  |                                                                        |
| sheet       | revision | J   | J        | J                                     |                                  |                          |                                                                        |
| index       | sheet    | 1   | 2        | 3                                     |                                  |                          |                                                                        |



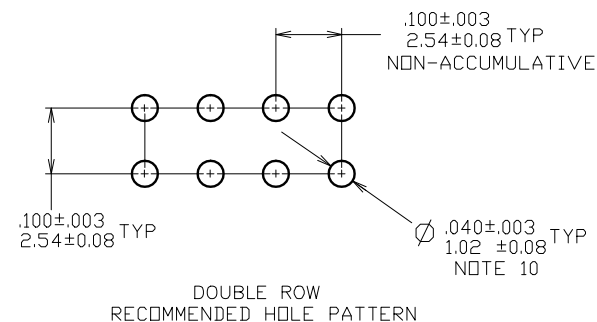
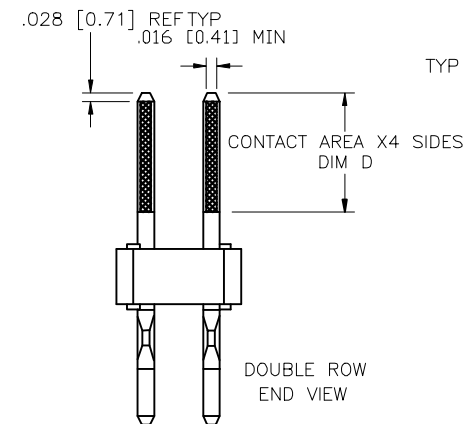
dwg no 94674 sheet 1 of 3 size A3  
type Product Customer Drawing

| PLATING NUMBER    | CONTACT AREA "DIM D" PLATING            | PRESS FIT TAIL PLATING             |
|-------------------|-----------------------------------------|------------------------------------|
| XXXXX-1YY         | 30u"/0.76u Au OVER 50u"/1.27u Ni        | 40u"/1.02u TIN OVER 50u"/1.27u Ni  |
| XXXXX-2YY         | 15u"/0.38u Au OVER 50u"/1.27u Ni        | 40u"/1.02u TIN OVER 50u"/1.27u Ni  |
| XXXXX-4YY         | 120u"/3.05u TIN-LEAD OVER 50u"/1.27u Ni | 120u"/3.05u TIN OVER 50u"/1.27u Ni |
| XXXXX-5YY         | 30u"/0.76u GXT OVER 50u"/1.27u Ni       | 40u"/1.02u TIN OVER 50u"/1.27u Ni  |
| LF PLATING NUMBER | CONTACT AREA "DIM D" PLATING            | PRESS FIT TAIL PLATING             |
| XXXXX-1YYLF       | 30u"/0.76u Au OVER 50u"/1.27u Ni        | 40u"/1.02u TIN OVER 50u"/1.27u Ni  |
| XXXXX-2YYLF       | 15u"/0.38u Au OVER 50u"/1.27u Ni        | 40u"/1.02u TIN OVER 50u"/1.27u Ni  |
| XXXXX-4YYLF       | 120u"/3.05u TIN OVER 50u"/1.27u Ni      | 120u"/3.05u TIN OVER 50u"/1.27u Ni |
| XXXXX-5YYLF       | 30u"/0.76u GXT OVER 50u"/1.27u Ni       | 40u"/1.02u TIN OVER 50u"/1.27u Ni  |

# NOTES

- ① BODY MATERIAL: GLASS FIBER REINFORCED PCT FLAME RETARDENT  
PER UL-94V-O. COLOR: BLACK.  
OR  
MINERAL FILLED LCP FLAME RETARDENT  
PER UL-94V-O. COLOR: BLACK.
- ② PIN MATERIAL: PHOS-BRONZE.
3. FINISH: SEE TABLE
- ④ 2 Lbs / 0.9 Kg MIN RETENTION IN EITHER DIRECTION.
- ⑤ MEASURED WITH PART IN RESTRAINED CONDITION.
- ⑥ ANY NUMBER OF POSITIONS FROM 2 (2X1) THROUGH 72 (2X36).
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 TO ASSURE PROPER INSTALLATION: BERG TOOLING, AS SPECIFIED  
IN INSTRUCTION MANUAL 166577 MUST BE USED. PIN MATING  
LENGTH WILL BE  $\pm .005/0.13$  AFTER INSTALLATION.
- ⑩  $\phi .0453/1.151$  DRILLED HOLE PLATED WITH  $.0003/0.07$  MIN.  
SnPb OVER  $.001/0.03$  TO  $.003/0.08$  Cu. PLATING TO  
ACHIEVE A  $\phi .040 \pm .003/1.02 \pm .08$  HOLE.
- ⑪ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR  
LEAD FREE OPTION.
- ⑫ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑬ "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND  
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT  
ENVIRONMENTS."

NOTE 13



|             |                     |                                  |                       |                              |
|-------------|---------------------|----------------------------------|-----------------------|------------------------------|
| mat'l. code | surface<br>ISO 1302 | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>BERGSTIK   |
| ltr         | ecr no              | dr                               | date                  | title                        |
| J           |                     |                                  |                       | BERGSTIK® II HEADER DR       |
|             |                     |                                  |                       | .100/2.54cc DUPLEX PRESS FIT |
|             |                     |                                  |                       | dwg no                       |
|             |                     |                                  |                       | 94674                        |
|             |                     |                                  |                       | sheet 2 of 3                 |
|             |                     |                                  |                       | A3                           |
|             |                     |                                  |                       | type                         |
|             |                     |                                  |                       | Product Customer Drawing     |
| sheet       | revision            |                                  |                       |                              |
| index       | sheet               |                                  |                       |                              |

| PRODUCT NO. | TOTAL PIN LGTH |        | MATING LENGTH |        | CONTACT AREA |        | PACKAGING |
|-------------|----------------|--------|---------------|--------|--------------|--------|-----------|
|             | DIM F          | DIM F  | DIM H         | DIM H  | DIM D        | DIM D  |           |
|             | ENGLISH        | METRIC | ENGLISH       | METRIC | ENGLISH      | METRIC |           |
| 94674-XYX   | 0.505          | 12.83  | 0.230         | 5.84   | 0.185        | 4.70   | POLY BAGS |
| 94677-XYX   | 0.593          | 15.06  | 0.318         | 8.08   | 0.200        | 5.08   | POLY BAGS |
| 94674-XYXLF | 0.505          | 12.83  | 0.230         | 5.84   | 0.185        | 4.70   | POLY BAGS |
| 94677-XYXLF | 0.593          | 15.06  | 0.318         | 8.08   | 0.200        | 5.08   | POLY BAGS |

|             |          |    |      |                                                         |              |                                  |                                                              |                |           |                            |                                   |  |  |
|-------------|----------|----|------|---------------------------------------------------------|--------------|----------------------------------|--------------------------------------------------------------|----------------|-----------|----------------------------|-----------------------------------|--|--|
| mat'l. code |          |    |      | surface<br>ISO 1302 <input checked="" type="checkbox"/> |              | tolerance<br>ISO 406<br>ISO 1101 |                                                              | projection<br> |           | product family<br>BERGSTIK |                                   |  |  |
| ltr         | ecp no   | dr | date | tolerances unless otherwise specified                   |              |                                  |                                                              |                |           | title                      |                                   |  |  |
| J           |          |    |      | angles                                                  | linear       |                                  | .XX±.01/XX±0.3<br>.XXX±.0050/XX±0.13<br>.XXX±.0020/XXX±0.051 |                |           |                            | BERGSTIK® II HEADER DR            |  |  |
|             |          |    |      | 0'±2'                                                   |              |                                  |                                                              |                | scale 2:1 |                            | .100/2.54cc DUPLEX PRESS FIT      |  |  |
|             |          |    |      | dr                                                      | T. BREWBAKER |                                  | 11/10/94                                                     |                |           |                            | dwg no 94674 sheet 3 of 3 size A3 |  |  |
|             |          |    |      | engr                                                    | T. HANNA     |                                  | 11/10/94                                                     |                |           |                            |                                   |  |  |
|             |          |    |      | chr                                                     | T. HANNA     |                                  | 11/10/94                                                     |                |           |                            |                                   |  |  |
|             |          |    |      | appd                                                    | T. HANNA     |                                  | 5/31/95                                                      |                |           |                            | type Product Customer Drawing     |  |  |
| sheet       | revision |    |      |                                                         |              |                                  |                                                              |                |           |                            |                                   |  |  |
| index       | sheet    |    |      |                                                         |              |                                  |                                                              |                |           |                            |                                   |  |  |