

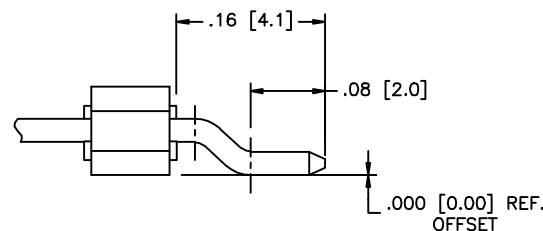
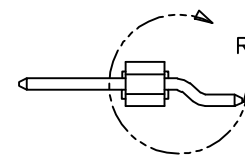
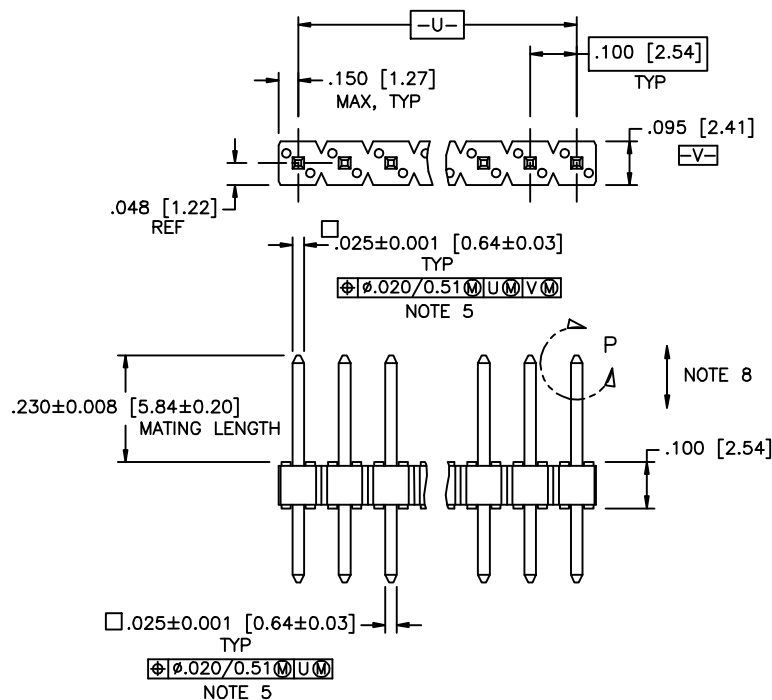


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PRODUCT NUMBER  
10027011-XXXHXL

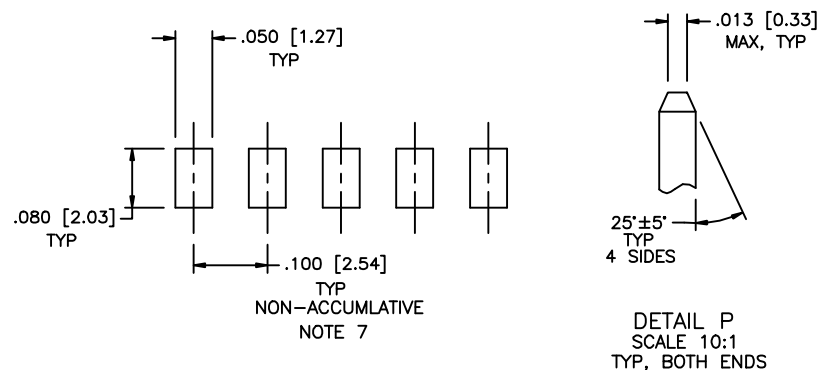
- LEAD FREE OPTION (SEE NOTES 11 & 12)
- PACKAGING (SEE NOTES 4, 9 & 10)
- INDICATES HIGH TEMPERATURE PLASTIC
- NO. OF POS. (SEE NOTE 3)
- PIN PLATING (SEE SHEET 2)



|                |                   |     |          |                                       |                                  |                        |                                                             |
|----------------|-------------------|-----|----------|---------------------------------------|----------------------------------|------------------------|-------------------------------------------------------------|
| mat'l. code    |                   |     |          | surface<br>ISO 1902                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>ISO 1001 | product family<br>BERGSTIK                                  |
| ltr            | ecn no            | dr  | date     | tolerances unless otherwise specified |                                  | INCH/MM                | title<br>BERGSTIK® II HEADER SR.<br>.100/2.54cc HORIZ. SMT. |
| A              | V03-1019          | TAB | 9/10/03  | angles                                | linear                           |                        |                                                             |
| B              | M05-0222          | MHT | 10/20/05 | linear                                | linear                           | scale 3:1              | dwg no<br>10027011                                          |
| C              | M06-0271          | AGS | 7/14/06  | 0'±2'                                 | linear                           |                        |                                                             |
| D              | M06-0356          | MHT | 9/08/06  | dr                                    | L.POTTEIGER                      | 4/7/03                 | sheet 1 of 2 size<br>A3                                     |
| E              | M06-0279          | MHT | 9/30/08  | engr                                  | H. SUNDY                         | 4/7/03                 |                                                             |
|                |                   |     |          | chr                                   | H. SUNDY                         | 4/7/03                 | type<br>Product Customer Drawing                            |
|                |                   |     |          | appd                                  | H. SUNDY                         | 4/7/03                 |                                                             |
| sheet<br>index | revision<br>sheet | E   | E        |                                       |                                  |                        |                                                             |

Form A3

| PRODUCT NUMBER | PIN OVERPLATING                                         |
|----------------|---------------------------------------------------------|
| 10027011-1YYH  | 30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| ↑<br>-2YYH     | 15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| -3YYH          | 50u"/1.27u MIN Au OVER 50u"/1.27u MIN Ni                |
| -4YYH          | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 14) |
| -4YYHLF        |                                                         |
| ↓<br>-5YYH     | 15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |
| 10027011-6YYH  | 30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni     |



RECOMMENDED PAD LAYOUT  
SCALE 5:1

#### NOTES:

- ① BODY MATERIAL: 30% GLASS-FIBER REINFORCED PCT FLAME RETARDANT PER UL-94V-0. COLOR: BLACK.  
OR  
MINERAL FILLED LCP FLAME RETARDANT PER UL-94V-0. COLOR: BLACK.  
  
PART NUMBERS WITH "H" SUFFIX TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.  
  
PART NUMBERS WITHOUT "H" SUFFIX TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- ② PIN MATERIAL: PHOS-BRONZE.
- ③ NUMBER OF POSITIONS FROM 2 TO 15.
- ④ PART NUMBER WITHOUT SUFFIX ADDED PACKAGED IN POLYBAGS.
- ⑤ MEASURED WITH PART IN RESTRAINED CONDITION.
- ⑥ TWO SIDES OF PIN TIPS NOT PLATED TYPICAL BOTH ENDS.
- ⑦ THIS SPECIAL PART CONFIGURATION REQUIRES CUSTOMER TO PROVIDE EXTERNAL HOLD-DOWN TO INSURE STABILITY DURING FIELD APPLICATION.
- ⑧ 2 Lbs/0.9 Kg MIN PIN RETENTION IN EITHER DIRECTION.
- ⑨ ADD "T" AS SUFFIX TO PART DASH NUMBER FOR TUBE PACKAGING.  
EXAMPLE : 10027011--XYHYT
- ⑩ PART NUMBERS FOLLOWED BY A "W" SUFFIX ARE PACKAGED TAPE & REEL WITHOUT A PICK-UP CAP.  
EXAMPLE : 10027011--XYHW

- ⑪ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE NOT AVAILABLE FOR -5YY, -5YYH, -6YY & -6YYH.
- ⑫ THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑬ PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S CHOICE.
- ⑭ "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

|             |          |    |      |                                       |                                  |            |                            |                          |
|-------------|----------|----|------|---------------------------------------|----------------------------------|------------|----------------------------|--------------------------|
| mat'l. code |          |    |      | surface<br>ISO 902                    | tolerance<br>ISO 406<br>ISO 1101 | projection | product family<br>BERGSTIK |                          |
| ltr         | ecn no   | dr | date | tolerances unless otherwise specified |                                  |            |                            | title                    |
| E           |          |    |      | angles                                | linear                           | INCH/MM    | BERGSTIK® II HEADER SR.    |                          |
|             |          |    |      | 0°±2°                                 |                                  | scale 3:1  | .100/2.54cc HORIZ. SMT.    |                          |
|             |          |    |      | dr                                    | L.POTTEIGER                      | 4/7/03     | dwg no                     | sheet 2 of 2 size        |
|             |          |    |      | engr                                  | H. SUNDY                         | 4/7/03     | 10027011                   | A3                       |
|             |          |    |      | chr                                   | H. SUNDY                         | 4/7/03     |                            |                          |
|             |          |    |      | appd                                  | H. SUNDY                         | 4/7/03     |                            |                          |
| sheet       | revision |    |      | type                                  |                                  |            |                            | Product Customer Drawing |
| index       | sheet    |    |      |                                       |                                  |            |                            |                          |