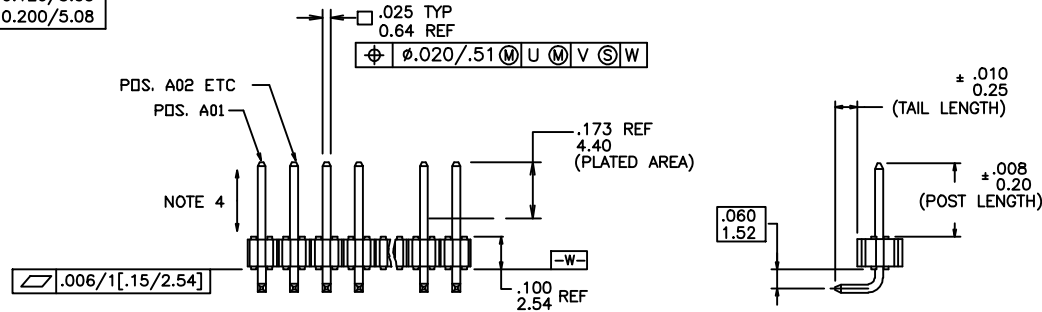
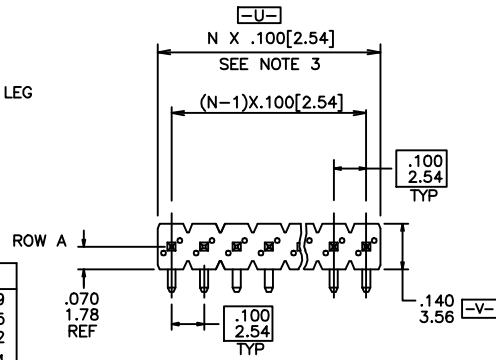


PRODUCT NUMBER
5 5 1 0 1 - X X X - X X - X X X X

PLATING
S=15μ[0.38μm]GOLD ON CONTACT AREA
100μ[2.54μm]TIN ON TAIL (NOTE 14)
G=30μ[0.76μm]GOLD ON CONTACT AREA
100μ[2.54μm]TIN ON TAIL (NOTE 14)
T=100-160μ[2.54-4.06μm]TIN ON CONTACT AREA AND ON TAIL(SEE NOTE 9)
F=2μ[0.05μm]GOLD ON CONTACT AREA AND ON TAIL

RETENTION R: RETENTIVE LEG NOTE 6
POLARIZATION NOTE 7
POSITIONS PER ROW 01 TO 36

| PIN STYLE | POST | TAIL |
|-----------|------------|------------|
| 11 | 0.230/5.84 | 0.090/2.29 |
| 17 | 0.230/5.84 | 0.120/3.05 |
| 12 | 0.230/5.84 | 0.190/4.82 |
| 34 | 0.318/8.08 | 0.100/2.54 |
| 35 | 0.318/8.08 | 0.120/3.05 |
| 36 | 0.318/8.08 | 0.200/5.08 |



LEAD FREE PRODUCT NUMBER
5 5 1 0 1 - X X X X X X X X X LF

PLATING
S=15μ[0.38μm]GOLD ON CONTACT AREA
100μ[2.54μm]TIN ON TAIL (NOTE 14)
G=30μ[0.76μm]GOLD ON CONTACT AREA
100μ[2.54μm]TIN ON TAIL (NOTE 14)
T=100-160μ[2.54-4.06μm]TIN ON CONTACT AREA AND ON TAIL(SEE NOTE 13)
F=2μ[0.05μm]GOLD ON CONTACT AREA AND ON TAIL

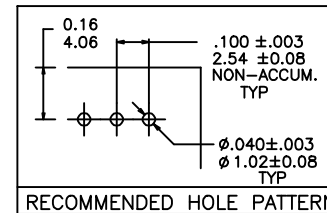
LEAD FREE NOTE 10 & 11
RETENTION R: RETENTIVE LEG NOTE 6
POLARIZATION NOTE 7
POSITIONS PER ROW 01 TO 36

| PIN STYLE | POST | TAIL |
|-----------|------------|------------|
| 11 | 0.230/5.84 | 0.090/2.29 |
| 17 | 0.230/5.84 | 0.120/3.05 |
| 12 | 0.230/5.84 | 0.190/4.82 |
| 34 | 0.318/8.08 | 0.100/2.54 |
| 35 | 0.318/8.08 | 0.120/3.05 |
| 36 | 0.318/8.08 | 0.200/5.08 |

| | | | | | |
|-------------|------------------|-------------------|------------|--|--------------------------|
| mat'l. code | surface ISO 1902 | tolerance ISO 406 | projection | product family | |
| litr | ecn no | dr | date | BERGSTIK | |
| B | V20751 | GIP | 07/09/02 | title .100 UNSHROUDED HDR. S/R R/A THRU HOLE | |
| C | V21475 | GIP | 09/17/02 | | |
| D | M05-0118 | MHT | 6/03/05 | scale 1:1 | |
| E | M06-0268 | MHT | 7/17/06 | | |
| F | M06-0356 | MHT | 9/08/06 | | |
| G | M08-0237 | MHT | 8/25/08 | | |
| H | M08-0279 | MHT | 9/30/08 | | |
| sheet | revision | H | H | type | Product Customer Drawing |
| index | sheet | 1 | 2 | | |

NOTES:

- ① HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0, COLOR: BLACK
OR
MINERAL FILLED LCP FLAME RETARDENT
PER UL-94V-0. COLOR: BLACK.
- ② PIN MATERIAL: PHOSPHOR-BRONZE
- ③ TO DETERMINE DIMENSION:
N = NUMBER OF POSITIONS PER ROW.
EXAMPLE: 10 POS., N x 100[2.54]=1.00[25.40].
- ④ 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION
- 5. PACKAGED IN POLY BAGS.
- ⑥ RETENTIVE LEG APPLICABLE TO TAIL LENGTH OF .120/3.05 ONLY.
FOUR PINS PER PART HAVE RETENTION.
5LB/2.3KG MAX INSERTION FORCE AND .25LB./1KG MIN RETENTION FORCE
PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARD AND RECOMMENDED
HOLE PATTERN. RETENTIVE LOCATION AT THE DISCRETION OF THE MANUFACTURER.
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.
- ⑦ FOR POLARIZATION, SPECIFY POSITION NUMBER(i.e., A03=ROW A PIN 3) TO OMIT PIN.
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.
- 8. UNDEPLATING: 50 μ "/1.27 μ m Ni.
- 9. PIN TIPS ON TIN/LEAD PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES,
BOTH ENDS.
- ⑩ PART NUMBERS WITH "LF" AT THE END ARE LEAD FREE.
- ⑪ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 12. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE
FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW
OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE OR
FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm
MINIMUM THICK CIRCUIT BOARD.
- ⑬ "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT
ENVIRONMENTS."
- ⑭ PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.



| | | | | | | | | | |
|-------------|--|----------|--|-----------|--|---------------------------------------|--|--------------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| | | ISO 902 | | ISO 406 | | 1st angle | | BERGSTIK | |
| ltr | | ecn no | | date | | tolerances unless otherwise specified | | title | |
| H | | | | | | XXX±.01/XXX.3 | | .100 UNSHROUDED HDR. | |
| | | | | | | XXX±.06/XXX±0.13 | | S/R R/A THRU HOLE | |
| | | | | | | XXX±.0020/XXX±0.051 | | scale 1:1 | |
| | | | | | | 0'±2' | | dwg no | |
| | | | | dr | | D.INFRAM 05/13/99 | | sheet 2 of 2 size | |
| | | | | engr | | H.SUNDY 07/21/99 | | 55101 A3 | |
| | | | | chr | | H.SUNDY 07/21/99 | | type | |
| | | | | appd | | H.SUNDY 07/21/99 | | Product Customer Drawing | |
| sheet | | revision | | | | | | | |
| index | | sheet | | | | | | | |



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