

## RoHS COMPATIBLE PRODUCT NUMBER

54111-XXXXXXXXLF

LEADED PRODUCT NUMBER

54111-XXX-XX-XXXX

AS AVAILABLE

## PLATING

1 = 0.76µm GOLD/GXT ON CONTACT AREA  
2µm MIN MATTE TIN ON TAIL  
OVER 1.27µm Ni MIN

4 = 2µm MIN MATTE TIN  
OVER 1.27µm Ni MIN

5 = 0.25µm GOLD/GXT ON CONTACT AREA  
2µm MIN MATTE TIN ON TAIL  
OVER 1.27µm Ni MIN

8 = 0.38µm GOLD/GXT ON CONTACT AREA  
2µm MIN MATTE TIN ON TAIL  
OVER 1.27µm Ni MIN

RoHS COMPATIBLE  
SEE NOTE 8

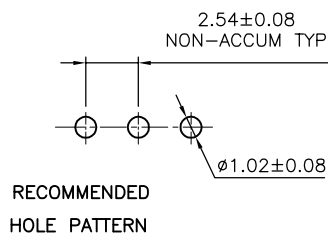
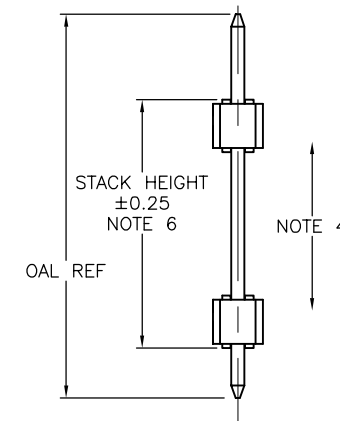
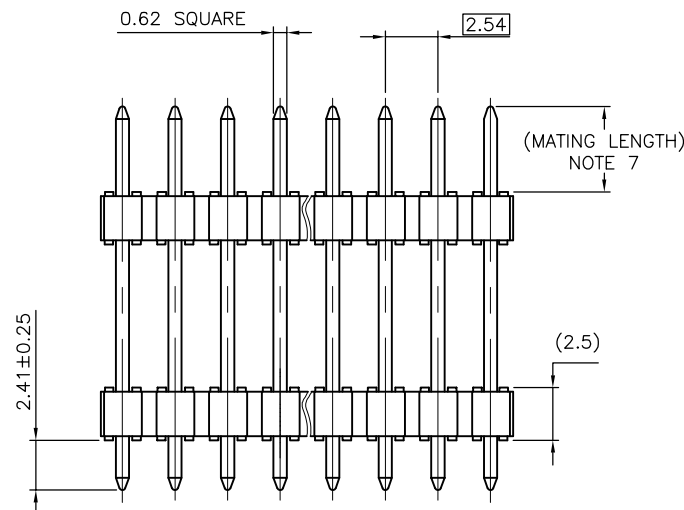
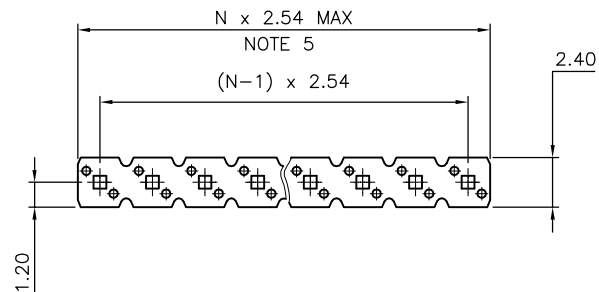
STACK HEIGHT, NOTE 6

TOTAL NB OF POSITIONS  
02 TO 36

| OAL   | PIN STYLE |
|-------|-----------|
| 12.2  | 01        |
| 13.5  | 02        |
| 15.9  | 03        |
| 16.56 | 15        |
| 16.76 | 04        |
| 17.65 | 05        |
| 18.91 | 06        |
| 20.50 | 28        |
| 20.96 | 07        |
| 22.40 | 19        |
| 23.5  | 08        |
| 26.04 | 09        |
| 26.42 | 14        |
| 28.00 | 18        |
| 28.58 | 10        |
| 30.48 | 20        |
| 31.12 | 11        |
| 32.15 | 21        |
| 33.66 | 12        |
| 34.00 | 13        |
| 36.20 | 16        |
| 37.30 | 22        |
| 38.40 | 23        |
| 42.30 | 24        |
| 43.00 | 25        |
| 47.00 | 26        |
| 52.00 | 27        |

## NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE
- STANDARD PACKAGING IN POLYBAG
- 9N MIN RETENTION IN EITHER DIRECTION
- TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS PER ROW,  $N \times 2.54 = 20.32\text{mm}$
- XXXX = MILLIMETERS  
5.0mm MIN TO 45.0mm MAX, IN 0.5mm INCREMENT  
EXAMPLE FOR STACK HEIGHT:  $\underline{1} \ \underline{2} \ \underline{5} \ \underline{0} = 12.50\text{mm}$
- MATING LENGTH = (OAL)-(2.41)-(STACK HEIGHT)
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS
  - PLATING:
    - "LF" MEANS THE PRODUCT IS LEAD-FREE,  
2µm MINIMUM MATTE TIN OVER 1.27µm  
MINIMUM NICKEL UNDERPLATE.
  - MANUFACTURING PROCESS COMPATIBILITY
    - THE HOUSING WILL WITHSTAND EXPOSURE TO  
260°C ±5°C SOLDER BATH TEMPERATURE FOR  
5 SECONDS IN A WAVE SOLDER APPLICATION  
WITH A 1.6mm MIN THICK CIRCUIT BOARD.
  - LABELLING:
    - MEETS PACKAGING SPECS AS PER GS-14-920
  - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES  
AND OTHER COUNTRY REGULATIONS AS DESCRIBED  
IN GS-47-0004.



|                          |          |                |          |                                       |        |                               |  |                                                                                                     |                            |                            |              |      |  |
|--------------------------|----------|----------------|----------|---------------------------------------|--------|-------------------------------|--|-----------------------------------------------------------------------------------------------------|----------------------------|----------------------------|--------------|------|--|
| mat'l. code<br>SEE NOTES |          |                |          | surface<br>ISO 1302 ✓                 |        | tolerance<br>ISO 406 ISO 1101 |  | projection<br> |                            | product family<br>BERGSTIK |              |      |  |
| ltr                      | ecn no   | dr             | date     | tolerances unless otherwise specified |        |                               |  |                | title                      |                            |              |      |  |
| H                        | B-17843  | LMU            | 14.06.04 | angles                                | linear | x.x ±0.3                      |  |                                                                                                     | UNSHR.HEADER<br>STR SR TMT |                            |              |      |  |
| J                        | B-18962  | LMU            | 14.09.29 |                                       |        | x.xx ±0.13                    |  |                                                                                                     |                            |                            |              |      |  |
| K                        | B-19782  | AMA            | 14.12.16 |                                       |        | x.xxx ±0.05                   |  |                                                                                                     |                            |                            |              |      |  |
|                          |          |                |          | dr                                    | D.LE   | 01.01.24                      |  |                | dwg no                     |                            | sheet 1 of 1 | size |  |
| E                        | F06-0196 | LMU            | 06.06.13 | enrg                                  | JM.C   | 01.01.24                      |  |                                                                                                     | 54111                      |                            | A            |      |  |
| F                        | F08-0148 | RTR            | 08.03.31 | chr                                   | JM.C   | 01.01.24                      |  |                                                                                                     |                            |                            |              |      |  |
| G                        | B-15645  | LMU            | 13.02.14 | appd                                  | JF.N   | 01.01.24                      |  |                                                                                                     |                            |                            |              |      |  |
| sheet index              |          | revision sheet |          |                                       |        |                               |  |                                                                                                     |                            |                            |              |      |  |

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