

RoHS COMPATIBLE PRODUCT NUMBER  
54121-XXXXXXXXL

LEADED PRODUCT NUMBER  
54121-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

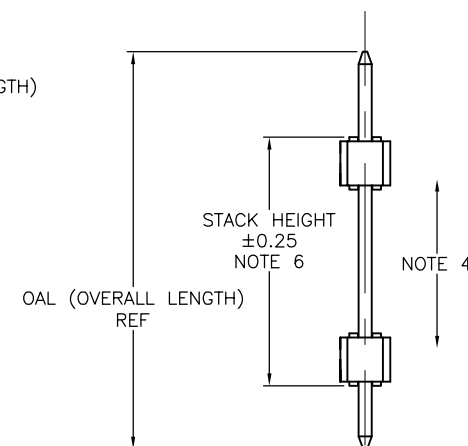
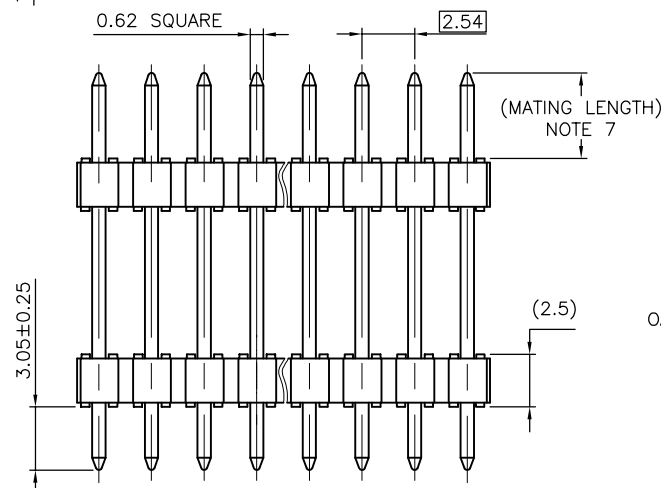
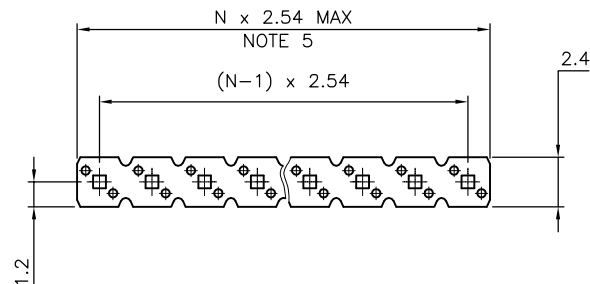
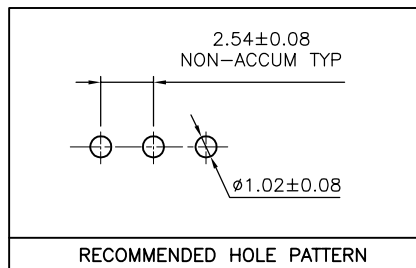
| OAL   | PIN STYLE |
|-------|-----------|
| 12.2  | 01        |
| 13.5  | 02        |
| 15.9  | 03        |
| 16.56 | 15        |
| 16.76 | 04        |
| 17.65 | 05        |
| 18.91 | 06        |
| 20.50 | 28        |
| 20.96 | 07        |
| 22.40 | 19        |
| 23.5  | 08        |
| 26.04 | 09        |
| 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        |
| 46.00 | 29        |
| 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  
SPECIFY MILLIMETERS  
5.0mm MIN TO 60.0mm MAX AVAILABLE  
OAL 65.0mm MAX  
EXAMPLE FOR STACK HEIGHT:  $\frac{1}{2} \frac{2}{7} \frac{0}{0} = 12.70\text{mm}$
- MATING LENGTH = (OAL)-(3.05)-(STACK HEIGHT)

8. 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>mm | product family<br>BERGSTIK |  |
| ltr                      | ecn no   | dr    | date     | tolerances unless otherwise specified |                               | mm               | title                      |  |
| H                        | B-15666  | LMU   | 13.02.14 | angles                                | x.x ±0.3                      |                  | UNSHR.HEADER               |  |
| J                        | B-18903  | LMU   | 14.09.25 | linear                                | x.xx ±0.13                    | scale 4:1        | STR SR TMT                 |  |
| K                        | B-18962  | LMU   | 14.09.29 |                                       | x.xxx ±0.05                   |                  | dwg no                     |  |
| L                        | B-19782  | AMA   | 14.12.16 | dr                                    | D.LE 01.01.24                 | FCJ              | sheet 1 of 1               |  |
|                          |          |       |          | enrg                                  | JM.C 01.01.24                 |                  | 54121                      |  |
| F                        | F08-0148 | RTR   | 08.03.31 | chr                                   | JM.C 01.01.24                 |                  | A3                         |  |
| G                        | F11-0034 | LMU   | 11.03.03 | appd                                  | JF.N 01.01.24                 |                  | type CUSTOMER Drawing      |  |
| sheet index              | revision | sheet |          |                                       |                               |                  |                            |  |