

## RoHS COMPATIBLE PRODUCT NUMBER

54122-XXXXXXXXXLF

LEADED PRODUCT NUMBER

54122-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 9

R : RETENTIVE LEG  
NOTE 8

STACK HEIGHT, NOTE 6

TOTAL NB OF POSITIONS  
04 TO 72

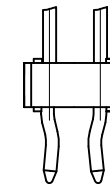
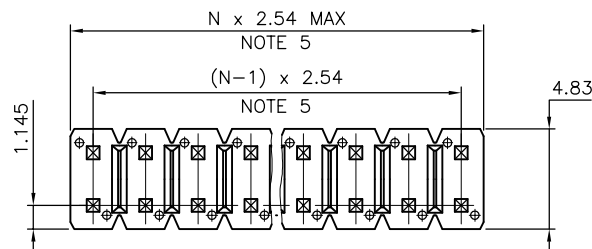
## NOTES:

1. HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
2. PIN MATERIAL : PHOSPHOR BRONZE
3. STANDARD PACKAGING IN POLYBAG
4. 9N MIN RETENTION IN EITHER DIRECTION
5. TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS PER ROW,  $N \times 2.54 = 20.32\text{mm}$
6. XXXX = MILLIMETERS  
SPECIFY MILLIMETERS  
5.0mm MIN TO 60.00mm MAX AVAILABLE  
OAL 65.0MM MAX AVAILABLE.  
EXAMPLE FOR STACK HEIGHT:  $1 \frac{2}{5} 0 = 12.5\text{mm}$
7. MATING LENGTH = (OAL)-(3.05)-(STACK HEIGHT)
8. RETENTION IS APPLIED TO TWO ADJACENT PINS AT EACH END OF THE PRODUCT SEE SCHEMA 1  
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE

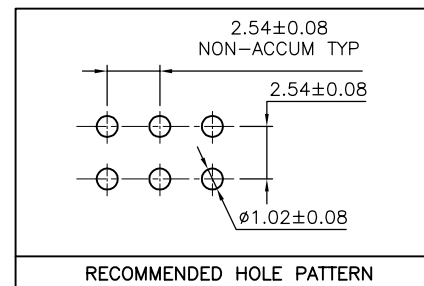
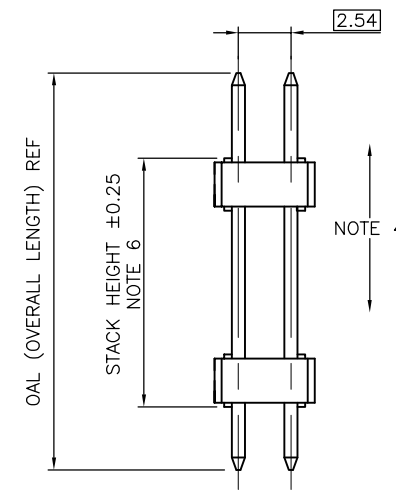
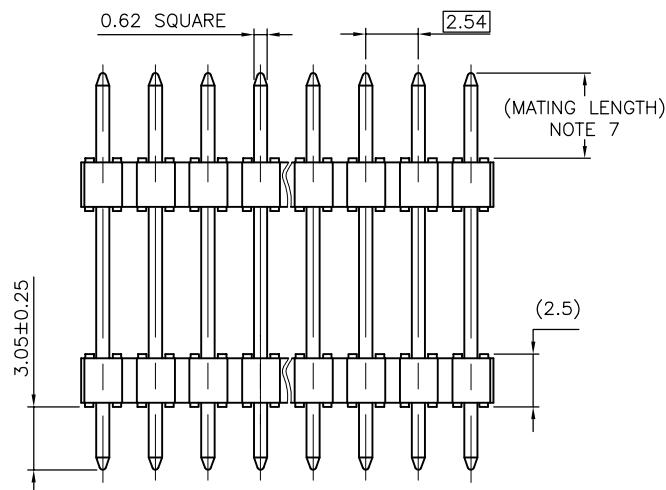
## 9. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

- a - PLATING:
  - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
- b - 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.
- c - LABELLING:
  - MEETS PACKAGING SPECS AS PER GS-14-920
- d - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

| OAL   | PIN STYLE |
|-------|-----------|
| 11.17 | 29        |
| 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        |



SCHEMA 1  
TWO RETENTION PIN AT EACH  
END OF THE PRODUCT



|             |                |           |            |                |
|-------------|----------------|-----------|------------|----------------|
| mat'l. code | surface        | tolerance | projection | product family |
| SEE NOTES   | ISO 1302       | ISO 406   | ISO 1101   | BERGSTIK       |
| ltr         | ecn no         | dr        | date       | title          |
| H           | F08-0148       | RTR       | 08.03.31   | UNSHR.HEADER   |
| J           | F10-0252       | JCO       | 10.11.30   | STR DR TMT     |
| K           | F11-0034       | LMU       | 11.03.03   |                |
| L           | B-15673        | LMU       | 13.02.14   | dwg no         |
| M           | B-18962        | LMU       | 14.09.29   | sheet 1 of 1   |
| N           | B-19782        | AMA       | 14.12.16   | size           |
| P           | B-20598        | AMA       | 15.03.30   | A3             |
| sheet index | revision sheet |           |            | type           |
|             |                |           |            | CUSTOMER       |
|             |                |           |            | Drawing        |