

PRODUCT NUMBER
54112-XXXXXXXXLF

LEADED PRODUCT NUMBER
54112-XXX-XX-XXXX AS AVAILABLE

PLATING CODE

- 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
ONLY AVAILABLE UPON REQUEST
- 8 = 0.38µm GOLD/GXT ON CONTACT AREA
2µm MIN MATTE TIN ON TAIL
OVER 1.27µm Ni MIN

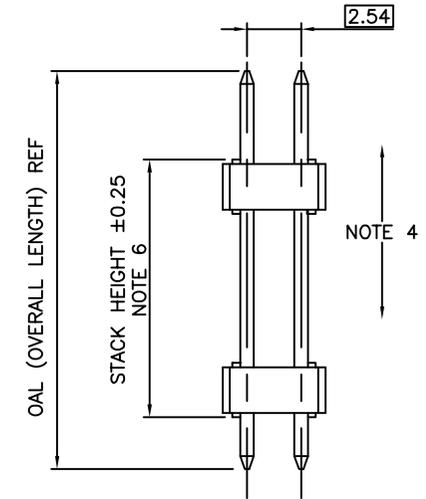
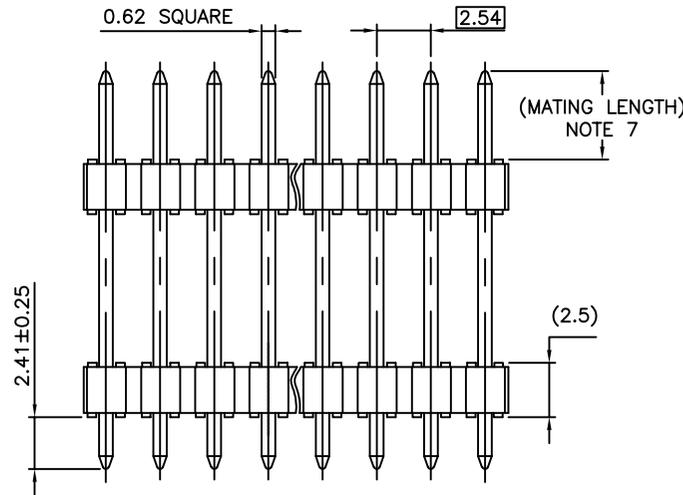
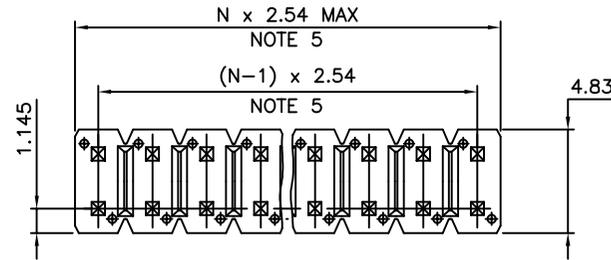
RoHS COMPATIBLE
SEE NOTE 8

STACK HEIGHT, NOTE 6

TOTAL NB OF POSITIONS
04 TO 72

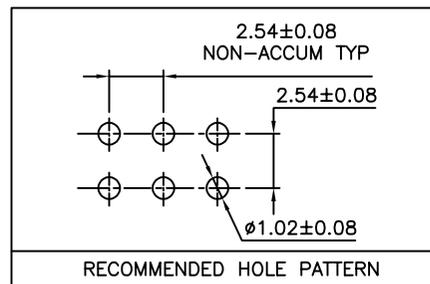
| OAL | PIN STYLE |
|-------|-----------|
| 11.17 | 29 |
| 12.2 | 01 |
| 13.5 | 02 |
| 15.9 | 03 |
| 16.56 | 15 |
| 16.76 | 04 |
| 17.65 | 05 |
| 18.91 | 06 |
| 20.50 | 28 |
| 20.96 | 07 |
| 21.25 | 19 |
| 23.5 | 08 |
| 26.04 | 09 |
| 26.42 | 14 |
| 27.50 | 34 |
| 28.00 | 18 |
| 28.58 | 10 |
| 29.70 | 31 |
| 30.48 | 20 |
| 31.12 | 11 |
| 32.15 | 21 |
| 33.66 | 12 |
| 34.00 | 13 |
| 36.20 | 16 |
| 37.30 | 22 |
| 37.95 | 32 |
| 38.40 | 23 |
| 40.00 | 30 |
| 41.00 | 33 |
| 42.30 | 24 |
| 43.00 | 25 |
| 47.00 | 26 |
| 52.00 | 27 |
| 55.00 | 35 |

NOTE 9



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 x 2.54 = 20.32mm
- XXXX = MILLIMETERS
SPECIFY MILLIMETERS
5.0mm MIN TO 45.0mm MAX AVAILABLE
IN 0.5mm INCREMENT
EXAMPLE FOR STACK HEIGHT: $\frac{1}{2} \frac{2}{7} \frac{5}{5} = 12.75\text{mm}$
- MATING LENGTH = (OAL)-(2.41)-(STACK HEIGHT)
- 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.
- PIN STYLE 35 ONLY AVAILABLE WITH PLATING CODE "4"



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|---------------------------------------|----------------|-----|----------|-----------------------|-----|---------------------------------------|----------|------------------|--|-------------------------------------|--|
| mat'l. code SEE NOTES | | | | surface ISO 1302 ✓ | | tolerance ISO 406 ISO 1101 | | projection mm | | product family BERGSTIK | |
| tolerances unless otherwise specified | | | | linear | | x.x ±0.3 x.xx ±0.13 x.xxx ±0.05 | | scale 4:1 | | title UNSHR.HEADER STR DR TMT | |
| H | B-15647 | LMU | 13.02.14 | | | | | | | dwg no 54112 | |
| J | B-18962 | LMU | 14.09.29 | | | | | | | sheet 1 of 1 size A3 | |
| K | B-19782 | AMA | 14.12.16 | | | | | | | type CUSTOMER Drawing | |
| L | F-46811 | DDE | 22.12.20 | dr | LMU | | 01.01.24 | | | | |
| M | F-47062 | DDE | 23.01.18 | engr | JCO | | 01.01.24 | | | | |
| | | | | chr | JCO | | 01.01.24 | | | | |
| G | F09-0009 | JCO | 09.02.16 | appd | JCO | | 01.01.24 | | | | |
| sheet index | revision sheet | | | | | | | | | | |