PRODUCT NUMBER
54122–XXXXXXXXXXLF

PLATING (AS AVAILABLE)
- 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
- 8 = 0.38µm GOLD/GXT ON CONTACT AREA 2µm MIN MATTE TIN ON TAIL OVER 1.27µm Ni MIN
- 9 = GOLD FLASH ON CONTACT AREA 2µm MIN MATTE TIN ON TAIL OVER 1.27µm Ni MIN

RoHS COMPATIBLE SEE NOTE 9

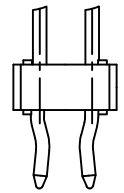
OPTIONAL LETTER (AS AVAILABLE) SEE NOTE 8

STACK HEIGHT, SEE NOTE 6

TOTAL NB OF POSITIONS 04 TO 72

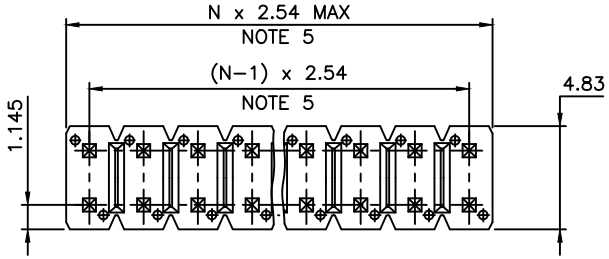
PIN STYLE, SEE TABLE (AS AVAILABLE)

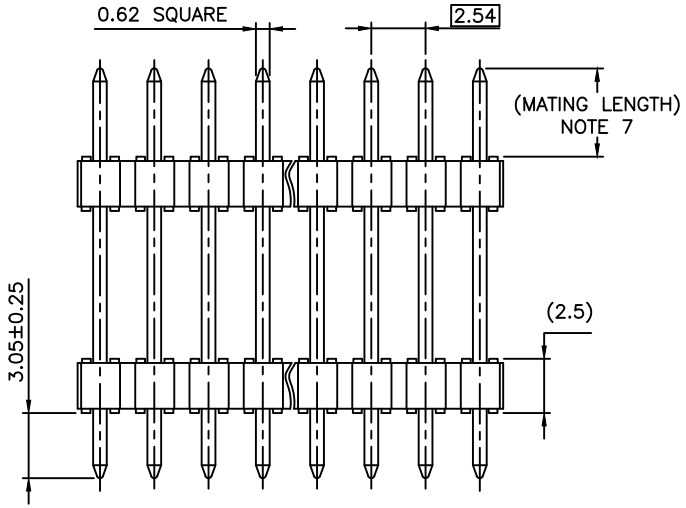
**EXTENDED RANGE**
- TOOLING FEASIBILITY CONFIRMED
- SAMPLES ON DEMAND
- AVAILABILITY ON DEMAND

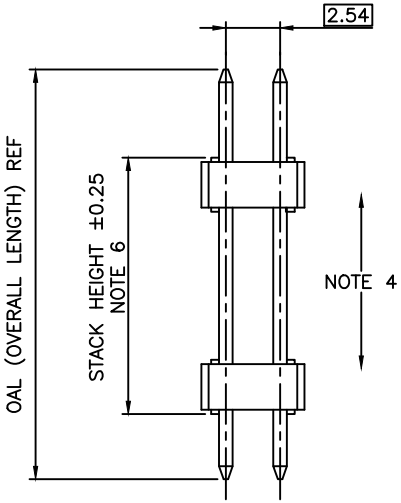


SCHEMA 1
TWO RETENTION PIN AT EACH END OF THE PRODUCT

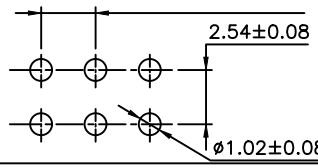
| OAL | PIN STYLE |
|---|---|
| 11.17 | 29 |
| 12.2 | 01 |
| 13.5 | 02 |
| 16.56 | 15 |
| 16.76 | 04 |
| 17.65 | 05 |
| 18.91 | 06 |
| 20.96 | 07 |
| 22.40 | 19 |
| 23.5 | 08 |
| 26.04 | 09 |
| 26.42 | 14 |
| 27.5 | 34 |
| 28.00 | 18 |
| 28.58 | 10 |
| 30.48 | 20 |
| 31.12 | 11 |
| 32.15 | 21 |
| 33.66 | 12 |
| 34.00 | 13 |
| 36.20 | 16 |
| 37.95 | 32 |
| 38.40 | 23 |
| 40.00 | 30 |
| 41.00 | 33 |
| 42.30 | 24 |
| 43.00 | 25 |
| 45.00 | 35 |
| 52.00 | 27 |
| 53.00 | 36 |




NOTES:
1. HOUSING MATERIAL : 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 x 2.54 = 20.32mm
6. XXXX = MILLIMETERS
   SPECIFY MILLIMETERS
   5.0mm MIN TO 60.00mm MAX AVAILABLE
   OAL 65.0MM MAX AVAILABLE.
   EXAMPLE FOR STACK HEIGHT: 1 2 5 0 = 12.5mm
7. MATING LENGTH = (OAL)–(3.05)–(STACK HEIGHT)
8. OPTIONAL LETTER :
   "R" : RETENTION LEGS
   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
   "V" : BLIBOX PACKAGING FOR CUSTOMER DEDICATED PART
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.
10. THIS PART SERIES IS NOT INITIALLY INTENDED FOR AUTOMOTIVE APPLICATIONS. ADDITIONAL FEES ARE CHARGEABLE FOR ANY ADDITIONAL QUALIFICATION AND TEST REPORTS PERFORMED OUTSIDE THE SCOPE OF THE STANDARD PRODUCT SPECIFICATIONS.
11. UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH ARE SUBJECT TO CHANGE WITHOUT NOTICE.




RECOMMENDED HOLE PATTERN

| mat'l. code | surface | tolerance | projection | product family |
|---|---|---|---|---|
| SEE NOTES | ISO 1302 | ISO 406 ISO 1101 | | BERGSTIK |

| ltr | ecn no | dr | date |
|---|---|---|---|
| R | F–22228 | AMA | 15.10.20 |
| S | F–26104 | LMU | 17.02.16 |
| T | F–42792 | LMU | 22.12.20 |
| U | F–47064 | DDE | 23.01.18 |
| V | F–54150 | DDE | 25.01.06 |
| W | F–54496 | DDE | 25.02.05 |
| X | F–285154 | DDE | 26.04.02 |

tolerances unless otherwise specified: angles; linear X.X ±0.3, X.XX ±0.13, X.XXX ±0.05

| | | |
|---|---|---|
| dr | D.LEGRAND | 01.01.24 |
| engr | J.COMPAGNON | 01.01.24 |
| chr | J.COMPAGNON | 01.01.24 |
| appd | JF.NOTTEAU | 01.01.24 |

sheet / revision
index / sheet

mm
scale 4:1

title: UNSHR.HEADER STR DR TMT

dwg no 54122 | sheet 1 of 1 | size A3

type CUSTOMER | Drawing

Amphenol FCI
FCIconnect.com
Copyright FCI