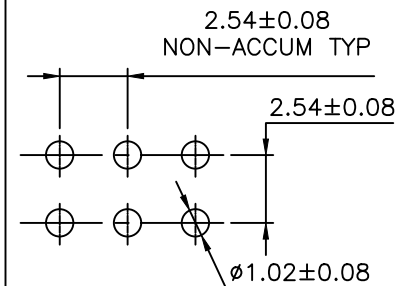
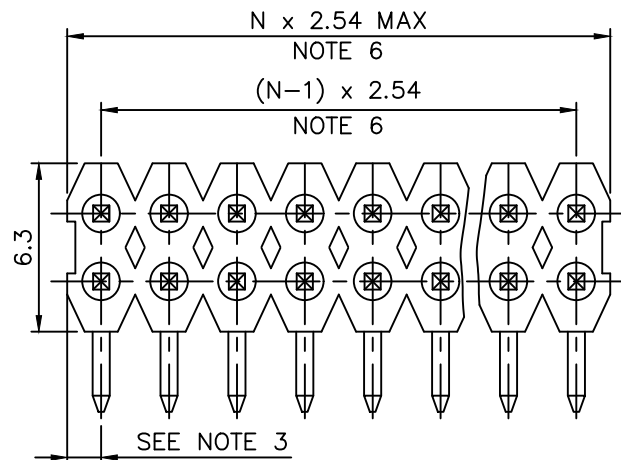


PRODUCT NUMBER  
77319-YXX-XXLF

- RoHS COMPATIBLE, SEE NOTE 7
- TOTAL NB OF POSITIONS 04 TO 72
- PIN STYLE, SEE SHEET 2 (AS AVAILABLE)
- PLATING, SEE SHEET 2 (AS AVAILABLE)

### EXTENDED RANGE

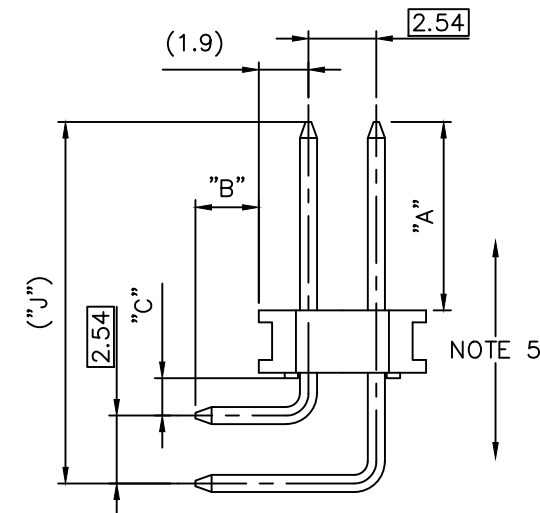
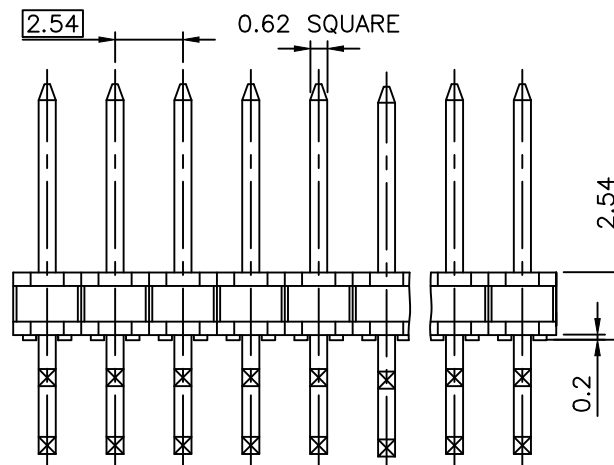
- TOOLING FEASIBILITY CONFIRMED
- SAMPLES ON DEMAND
- AVAILABILITY ON DEMAND



RECOMMENDED HOLE PATTERN

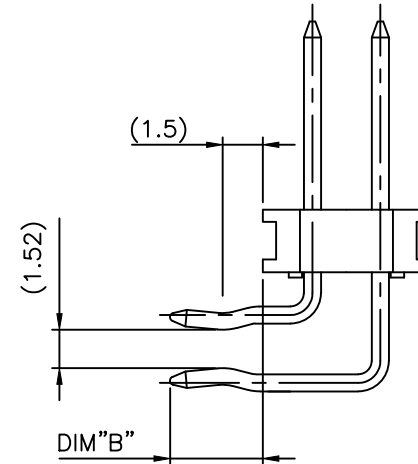
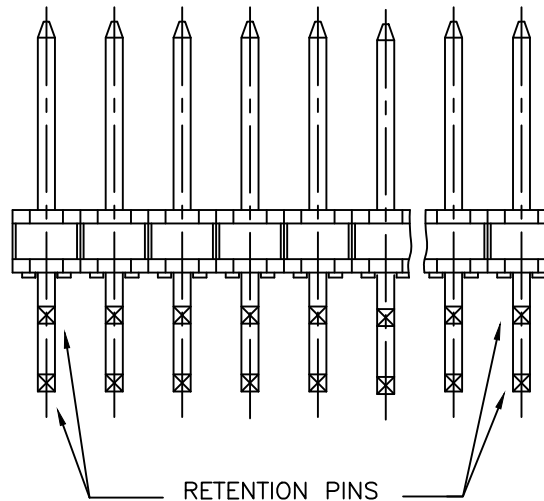
### NOTES:

- HOUSING MATERIAL: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL: PHOSPHOR BRONZE
- DIM  $1.27^{+0.03}_{-0.13}$  FOR MOULDED SIDE(S) ONLY. IF SIDE(S) ARE BROKEN, DIM 1.02 TO 1.7 MAX APPLIES.
- PRODUCT PACKAGED IN POLY BAGS.
- 9N MIN RETENTION IN EITHER DIRECTION
- TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS N x 2.54 = 20.32mm
- 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
  - LEGAL STATEMENT: SEE GS-47-0004
- 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.
- UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH ARE SUBJECT TO CHANGE WITHOUT NOTICE.



|                        |          |     |          |                                       |             |                               |  |                                                                                                     |                  |                            |              |      |  |
|------------------------|----------|-----|----------|---------------------------------------|-------------|-------------------------------|--|-----------------------------------------------------------------------------------------------------|------------------|----------------------------|--------------|------|--|
| mat'l. code<br>SEE P/N |          |     |          | 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            |                            |              |      |  |
| R                      | F08-0148 | RTR | 08.03.31 | angles                                | linear      | .X ±0.3                       |  |                                                                                                     | HEADER RA DR     |                            |              |      |  |
| S                      | F11-0036 | JCO | 10.03.14 |                                       |             | .XX ±0.15                     |  |                                                                                                     | WIDE BODY 2.54mm |                            |              |      |  |
| T                      | F11-0320 | LMU | 12.01.25 |                                       |             | .XXX ±0.05                    |  |                                                                                                     | scale 5:1        |                            |              |      |  |
| U                      | B-18916  | LMU | 14.09.29 | dr                                    | J.COMPAGNON | 95.11.15                      |  |                | dwg no           |                            | sheet 1 of 2 | size |  |
| V                      | F-47100  | DDE | 23.01.24 | engr                                  | J.COMPAGNON | 95.11.15                      |  |                                                                                                     | 77319            |                            | A3           |      |  |
| W                      | F-55236  | DDE | 25.04.02 | chr                                   |             |                               |  |                                                                                                     |                  |                            |              |      |  |
| X                      | F-285631 | DDE | 26.04.08 | appd                                  | J.COMPAGNON | 95.11.15                      |  |                                                                                                     | type CUSTOMER    |                            | Drawing      |      |  |
| sheet index            | revision | X   | V        |                                       |             |                               |  |                                                                                                     |                  |                            |              |      |  |
|                        | sheet    | 1   | 2        |                                       |             |                               |  |                                                                                                     |                  |                            |              |      |  |

| PIN<br>STYLE | PRODUCT DIMENSIONS |              |              |              |
|--------------|--------------------|--------------|--------------|--------------|
|              | "A"<br>±0.15       | "B"<br>±0.35 | ("C")<br>REF | ("J")<br>REF |
| 01           | 5.72               | 3.05         | 1.52         | 12.19        |
| 02           | 5.72               | 3.70         | 1.52         | 12.19        |
| 05           | 7.15               | 3.05         | 1.52         | 13.75        |
| 06           | 6.10               | 3.10         | 1.52         | 12.70        |
| 07           | 10.89              | 3.05         | 1.52         | 17.49        |



OPTION LETTER "R"  
FOR RETENTION

77319-YXXRXXLF

#### NOTES:

- 4 PINS USED FOR RETENTION FEATURE ,2 AT EACH END
- RETENTION FEATURE ONLY AVAILABLE WHEN DIM "B" IS BETWEEN 2.9 AND 3.5mm.

|                 |                                  |                  |
|-----------------|----------------------------------|------------------|
| 77319-SXX-XXLF  | 0.38μm GXT FULL PLATED           |                  |
| 77319-GXX-XXLF  | 0.76μm GXT FULL PLATED           |                  |
| 77319-9XX-XXLF  | 0.2μm Au                         | 2.0-7.5 Sn MATTE |
| 77319-8XX-XXLF  | 0.38μm Au/GXT                    | 2.0-7.5 Sn MATTE |
| 77319-4XX-XXLF  | 3.81μm Sn FULL PLATED            |                  |
| 77319-2XX-XXLF  | 1.27μm Au                        | 2.0-7.5 Sn MATTE |
| 77319-1XX-XXLF  | 0.76μm Au/GXT                    | 2.0-7.5 Sn MATTE |
| 77319-1XXSXXLF  | 0.76μm Au/GXT                    | GOLD FLASH       |
| PLATING<br>CODE | CONTACT AREA                     | REMAINDER        |
|                 | PLATING THICKNESS OVER 1.27μm Ni |                  |

|                        |          |     |          |                                       |                               |                  |                            |
|------------------------|----------|-----|----------|---------------------------------------|-------------------------------|------------------|----------------------------|
| mat'l. code<br>SEE P/N |          |     |          | 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 | linear                        | mm               | title                      |
| R                      | F11-0320 | LMU | 12.01.25 | angles                                | .X ±0.3                       | mm               | HEADER RA DR               |
| S                      | B-18916  | LMU | 14.09.29 |                                       | .XX ±0.15                     | mm               | WIDE BODY 2.54mm           |
| T                      | F-47100  | DDE | 23.01.24 |                                       | .XXX ±0.05                    | scale 5:1        |                            |
| U                      | F-55236  | DDE | 25.04.02 | dr                                    | J.COMPAGNON                   | 95.11.15         | dwg no                     |
| V                      | F-285631 | DDE | 26.04.08 | engr                                  | J.COMPAGNON                   | 95.11.15         | sheet 2 of 2               |
|                        |          |     |          | chr                                   |                               |                  | size                       |
| P                      | F08-0148 | RTR | 08.03.31 | appd                                  | J.COMPAGNON                   | 95.11.15         | 77319                      |
| sheet                  | revision |     |          |                                       |                               |                  | A3                         |
| index                  | sheet    |     |          |                                       |                               |                  | type                       |
|                        |          |     |          |                                       |                               |                  | CUSTOMER                   |
|                        |          |     |          |                                       |                               |                  | Drawing                    |