

# PRODUCT NUMBER

77313-YXX-XXLF

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

WHEN REQUIRED, ADD SUFFIX LETTER "LF"  
INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 6

TOTAL NB OF POSITIONS 01 TO 36

RETENTION OPTION "R" SEE SHEET 2

# PRODUCT NUMBER (BERGSTRIIP PACKAGING)

77313-YXX-00LF

PLATING

1= 0.76µm GOLD ON CONTACT  
AREA, 2µm TIN MIN ON TAILS

8= 0.38µm GOLD ON CONTACT  
AREA, 2µm TIN MIN ON TAILS

4= 2.0µm TIN MIN FULL PLATED

1.27µm NICKEL MIN UNDERLAYER FOR  
ALL PLATING VERSIONS

INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 6

POSITIONS PER REEL : 00=45,000 (BERGSTRIIP)

| PIN STYLE | MATING | SOLDER | OAL   |
|-----------|--------|--------|-------|
| 01        | 5.84   | 2.41   | 10.8  |
| 02        | 5.84   | 3.42   | 11.8  |
| 18        | 5.84   | 3.05   | 11.43 |
| 22        | 7.75   | 3.05   | 13.35 |
| 24        | 6.75   | 2.9    | 12.2  |
| 27        | 6.6    | 2.66   | 11.8  |

## NOTES:

1. HOUSING MAT'L : HIGH TEMPERATURE  
THERMOPLASTIC. UL94V-0 COLOR: BLACK

2. PIN MATERIAL : PHOSPHOR BRONZE

3. BERGSTIK PRODUCT PACKAGED IN POLY BAGS.  
BERGSTRIIP PRODUCT PACKAGED PER REELS.

4. 9N MIN RETENTION IN EITHER DIRECTION

5. TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS N x 2.54 = 20.32mm

6. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

- "LF" MEANS THE PRODUCT IS LEAD-FREE,  
2µm MINIMUM MATTE TIN OVER 1.27µm  
MINIMUM NICKEL UNDERPLATE.

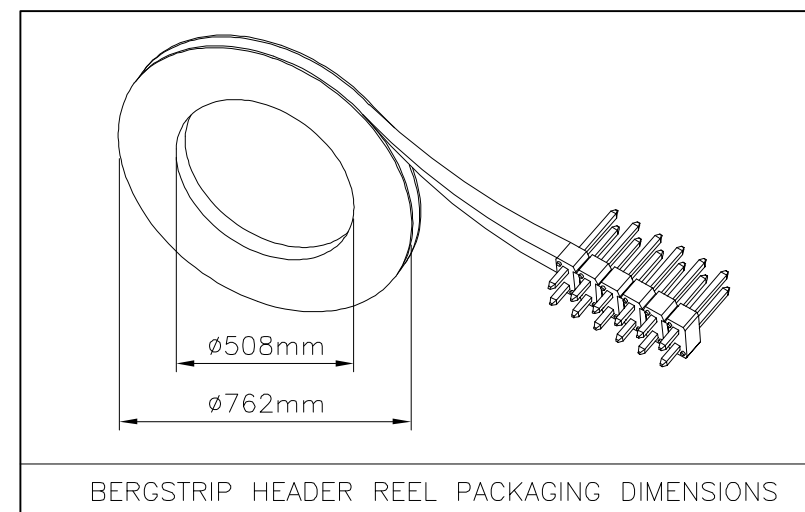
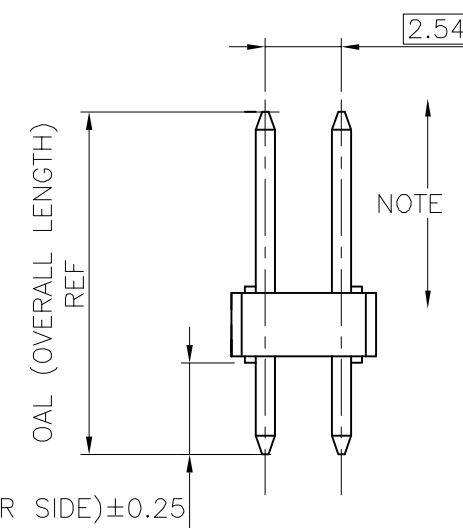
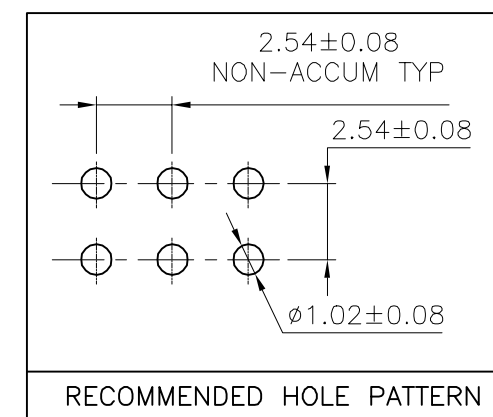
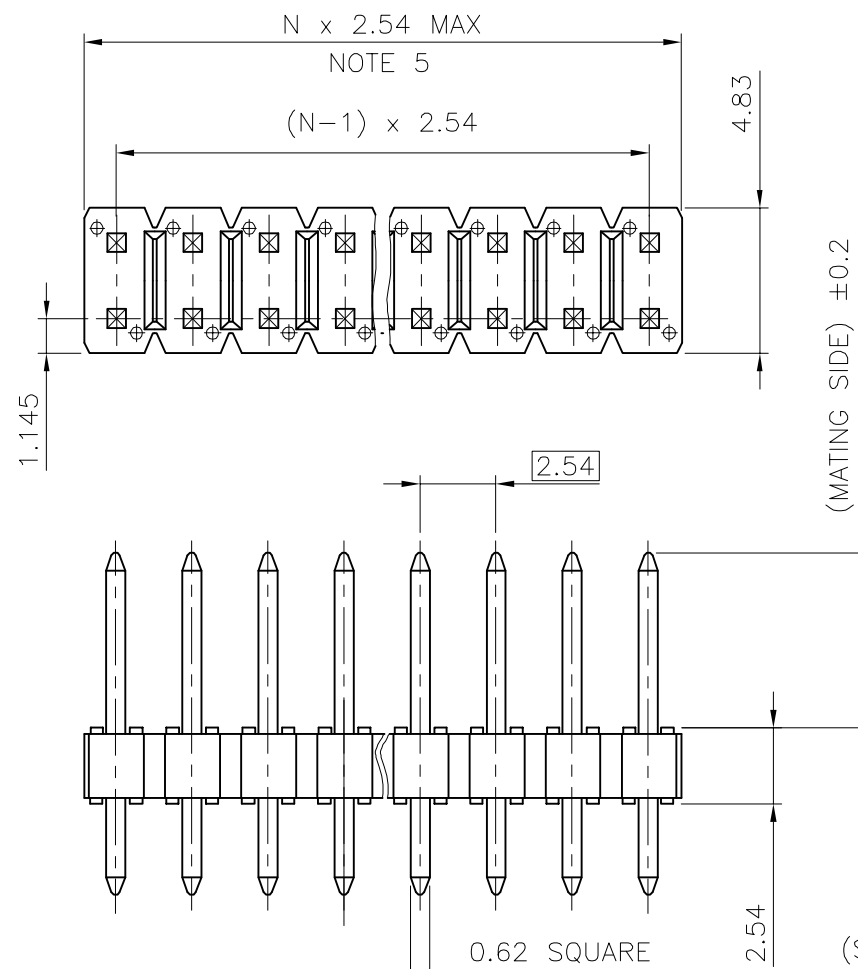
b - MANUFACTURING PROCESS COMPATIBILITY

- 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 - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920

d - LEGAL STATEMENT: SEE GS-22-008



|                          |          |      |          |                     |                               |                  |                                                                           |  |  |  |
|--------------------------|----------|------|----------|---------------------|-------------------------------|------------------|---------------------------------------------------------------------------|--|--|--|
| 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           |                  | title<br>UNSHR.HEADER<br>STR DR TMT                                       |  |  |  |
| AY                       | F07-0114 | LMU  | 07.01.24 | angles              | .X ±0.3                       |                  |                                                                           |  |  |  |
| BA                       | F07-0125 | LMU  | 07.02.05 | linear              | .XX ±0.15                     |                  |                                                                           |  |  |  |
| BB                       | F07-0155 | J.CO | 07.03.15 |                     | .XXX ±0.05                    | scale 5:1        | <div>FCI</div> dwg no 77313 sheet 1 of 2 size A3<br>type CUSTOMER Drawing |  |  |  |
| AV                       | F06-0167 | LMU  | 06.04.19 | dr                  | D.LE                          | 01.01.24         |                                                                           |  |  |  |
| AW                       | F06-0196 | LMU  | 06.06.20 | enrg                | JM.C                          | 01.01.24         |                                                                           |  |  |  |
| AX                       | F07-0110 | LMU  | 07.01.17 | chr                 | JM.C                          | 01.01.24         |                                                                           |  |  |  |
|                          |          |      |          | appd                | JF.N                          | 01.01.24         |                                                                           |  |  |  |
| sheet                    | revision | BB   | AV       |                     |                               |                  |                                                                           |  |  |  |
| index                    | sheet    | 1    | 2        |                     |                               |                  |                                                                           |  |  |  |

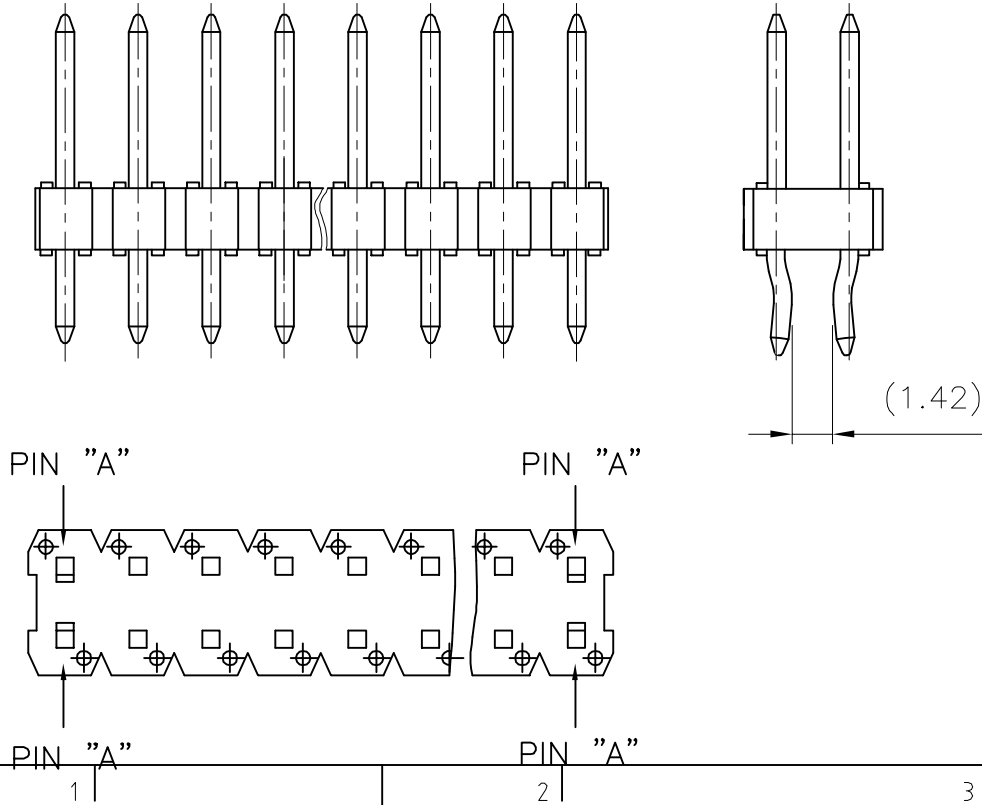
| CORE RANGE                                                                                                                                                                 |           |        |        |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|-------|
| PLATING                                                                                                                                                                    | PIN STYLE | MATING | SOLDER | OAL   |
| 1                                                                                                                                                                          | 01        | 5.84   | 2.41   | 10.8  |
| 1                                                                                                                                                                          | 18        | 5.84   | 3.05   | 11.43 |
| PLATING<br>1 = 0.76µm GOLD ON CONTACT AREA<br>3.81µm TIN-LEAD ON TAIL<br><br>- WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL IS PROVIDED INSTEAD OF TIN-LEAD |           |        |        |       |

| CATALOGUE RANGE                                                                                                                                                                                                                                                                             |           |        |        |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|-------|
| PLATING                                                                                                                                                                                                                                                                                     | PIN STYLE | MATING | SOLDER | OAL   |
| 4/8                                                                                                                                                                                                                                                                                         | 01        | 5.84   | 2.41   | 10.8  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 02        | 5.84   | 3.42   | 11.8  |
| 4/8                                                                                                                                                                                                                                                                                         | 18        | 5.84   | 3.05   | 11.43 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 22        | 7.75   | 3.05   | 13.35 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 24        | 6.75   | 2.9    | 12.2  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 27        | 6.6    | 2.65   | 11.8  |
| PLATING<br>1 = 0.76µm GOLD ON CONTACT AREA<br>3.81µm TIN-LEAD ON TAIL<br>4 = 3.81µm TIN-LEAD ON CONTACT AREA AND ON TAIL<br>8 = 0.38µm GOLD ON CONTACT AREA<br>3.81µm TIN-LEAD ON TAIL<br><br>- WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL IS PROVIDED INSTEAD OF TIN-LEAD |           |        |        |       |

| APPLICATION SPECIFIC                                                                                                                                                                                                                                                                        |           |        |        |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|-------|
| PLATING                                                                                                                                                                                                                                                                                     | PIN STYLE | MATING | SOLDER | OAL   |
| 1/4/8                                                                                                                                                                                                                                                                                       | 03        | 5.72   | 5.09   | 13.35 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 15        | 8.51   | 2.55   | 13.6  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 19        | 12.83  | 3.03   | 18.4  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 20        | 15.37  | 3.04   | 20.95 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 29        | 17.46  | 3.50   | 23.5  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 38        | 5.84   | 3.82   | 12.20 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 46        | 8.08   | 2.98   | 13.6  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 52        | 9.5    | 3.05   | 15.09 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 57        | 8.46   | 3.05   | 14.05 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 58        | 14.47  | 3.05   | 20.06 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 85        | 10.5   | 2.9    | 15.9  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 87        | 6.98   | 3.05   | 12.57 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 89        | 6.93   | 5.00   | 14.47 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 90        | 6.75   | 4.05   | 13.34 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 91        | 5.60   | 10.21  | 18.4  |
| 1/4/8                                                                                                                                                                                                                                                                                       | 92        | 5.65   | 12.76  | 20.95 |
| 1/4/8                                                                                                                                                                                                                                                                                       | 93        | 6.00   | 4.81   | 13.35 |
| PLATING<br>1 = 0.76µm GOLD ON CONTACT AREA<br>3.81µm TIN-LEAD ON TAIL<br>4 = 3.81µm TIN-LEAD ON CONTACT AREA AND ON TAIL<br>8 = 0.38µm GOLD ON CONTACT AREA<br>3.81µm TIN-LEAD ON TAIL<br><br>- WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL IS PROVIDED INSTEAD OF TIN-LEAD |           |        |        |       |

- NOTES:
- 1. PART NUMBER 77313-YXXRXX(LF)
  - 2. 4 PINS "A" USED FOR RETENTION  
DIRECTION OF RETENTION SHOWN BY ARROWS  
PIN "A" AT EACH END OF HEADER.
  - 3. FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE 2.9 MIN UP TO 3.5 MAX.

RETENTION OPTION



|             |          |     |          |                   |                     |            |                |  |  |  |
|-------------|----------|-----|----------|-------------------|---------------------|------------|----------------|--|--|--|
| mat'l. code |          |     |          | surface           | tolerance           | projection | product family |  |  |  |
|             |          |     |          | ISO 1302          | ISO 406 ISO 1101    |            | BERGSTIK       |  |  |  |
| ltr         | ecn no   | dr  | date     | tolerances unless | otherwise specified |            | title          |  |  |  |
| AN          | F04-0362 | LMU | 04.11.27 | angles            |                     |            | UNSHR.HEADER   |  |  |  |
| AP          | F05-0226 | LMU | 05.08.23 |                   | linear              |            | STR DR TMT     |  |  |  |
| AR          | F06-0167 | LMU | 06.04.19 |                   |                     |            | dwg no         |  |  |  |
| AS          | F06-0196 | LMU | 06.06.20 | dr                | D.LE                | 01.01.24   | sheet 2 of -   |  |  |  |
| AT          | F07-0110 | LMU | 07.01.17 | enrg              | JM.C                | 01.01.24   | 77313          |  |  |  |
| AU          | F07-0114 | LMU | 07.01.24 | chr               | JM.C                | 01.01.24   | A3             |  |  |  |
| AV          | F07-0125 | LMU | 07.02.05 | appd              | JF.N                | 01.01.24   | type           |  |  |  |
| sheet index |          |     |          | revision          | sheet               |            | CUSTOMER       |  |  |  |
|             |          |     |          |                   |                     |            | Drawing        |  |  |  |