

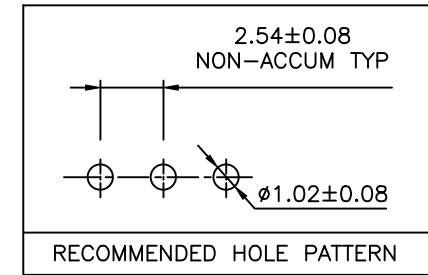
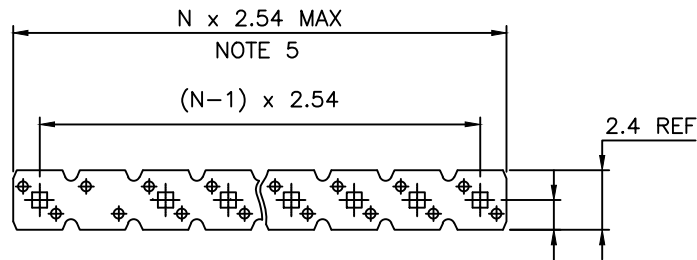
PRODUCT NUMBER

77312-YXXLF

WHEN REQUIRED, ADD SUFFIX LETTER "LF"
INDICATES THE PRODUCT IS RoHS
COMPATIBLE, SEE NOTE 7

PIN STYLE

PLATING SEE SHEET 2



NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE
- 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
- UNDERPLATING : 1.27µm Ni MIN
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

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

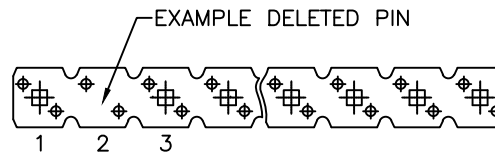
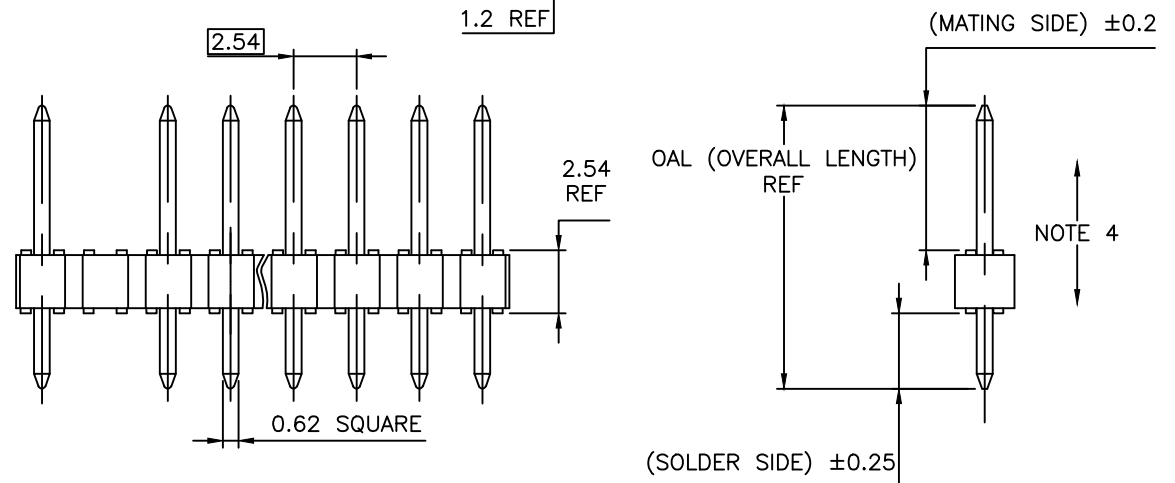
b - MANUFACTURING PROCESS COMPATIBILITY

- 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

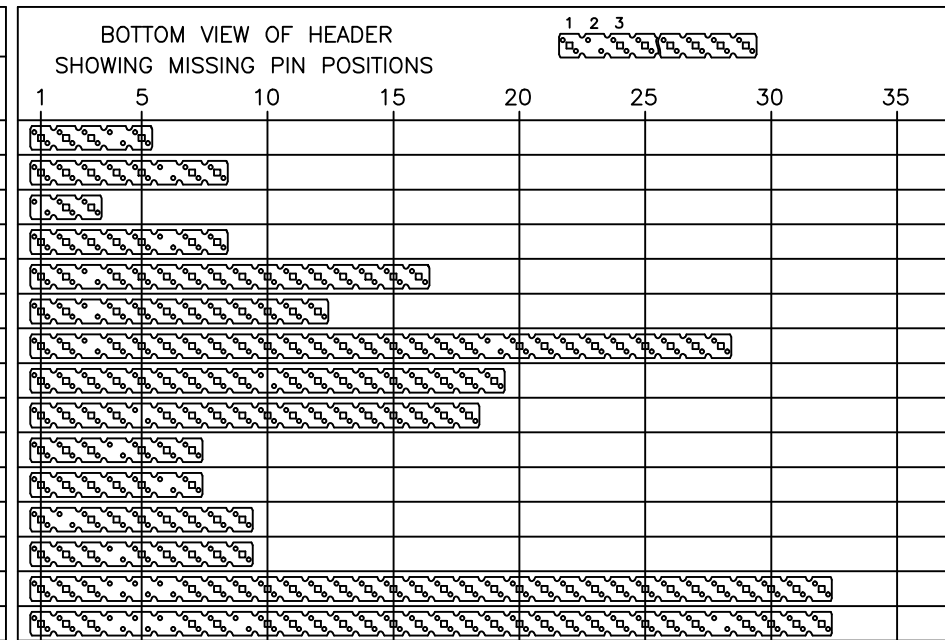
d - LEGAL STATEMENT: SEE GS-47-0004



BOTTOM VIEW

| | | | | | | | | | |
|--------------------------|----------|-----------------------|----------|---------------------------------------|-------------|------------------|-------|-------------------------------------|------------------|
| mat'l. code SEE NOTES | | surface ISO 1302 ✓ | | tolerance ISO 406 ISO 1101 | | projection mm | | product family BSTIK | |
| lfr | ecn no | dr | date | tolerances unless otherwise specified | | mm | | title | |
| AH | B-16703 | LMU | 14.01.09 | angles | linear | mm | | HEADER SR,STR, POL,DUPLEX,2.54mm | |
| AJ | B-17773 | LMU | 14.05.26 | | | scale 5:1 | | sheet 1 of 5 size | |
| AD | F08-0148 | RTR | 08.03.31 | dr | COMPAGNON J | 95.10.27 | 77312 | | A3 |
| AE | F11-0034 | LMU | 11.03.03 | enfr | JMC | 95.10.27 | type | | CUSTOMER Drawing |
| AF | F11-0045 | LMU | 11.04.06 | chr | | | | | |
| AG | F11-0328 | LMU | 11.11.17 | appd | JMC | 95.10.27 | | | |
| sheet | revision | Aj | R | N | Y | A | | | |
| index | sheet | 1 | 2 | 3 | 4 | 5 | | | |

| PIN STYLE | PRODUCT DEFINITION | | | |
|-----------|--------------------|-------------|-------------|-------------|
| | NB OF POS | MATING SIDE | SOLDER SIDE | ("OAL") REF |
| 01 | 1x5 | 5.84 | 3.42 | 11.8 |
| 02 | 1x8 | 5.84 | 3.42 | 11.8 |
| 03 | 1x3 | 5.84 | 3.42 | 11.8 |
| 04 | 1x8 | 5.72 | 2.54 | 10.8 |
| 05 | 1x16 | 5.72 | 2.54 | 10.8 |
| 06 | 1x12 | 5.72 | 2.54 | 10.8 |
| 07 | 1x28 | 5.84 | 3.42 | 11.8 |
| 15 | 1x19 | 5.84 | 3.42 | 11.8 |
| 16 | 1x18 | 5.84 | 3.42 | 11.8 |
| 17 | 1x7 | 5.84 | 3.42 | 11.8 |
| 18 | 1x7 | 5.84 | 3.42 | 11.8 |
| 19 | 1x9 | 5.84 | 3.42 | 11.8 |
| 20 | 1x9 | 5.84 | 3.42 | 11.8 |
| 21 | 1x32 | 5.84 | 3.42 | 11.8 |
| 22 | 1x32 | 5.84 | 3.42 | 11.8 |



| | | |
|--------------|--------------------------|--------------------|
| 77312-GXXLF | 0.76μm FULL GXT | |
| 77312-8XXLF | 0.38μm Au/GXT | 2.0-7.5μm Sn MATTE |
| 77312-4XXLF | 2.0-7.5μm FULL MATTE TIN | |
| 77312-2XXLF | 1.27μm Au | 2.0-7.5μm Sn MATTE |
| 77312-1XXLF | 0.76μm Au/GXT | 2.0-7.5μm Sn MATTE |
| 77312-1XXSLF | 0.76μm Au/GXT | GOLD FLASH |

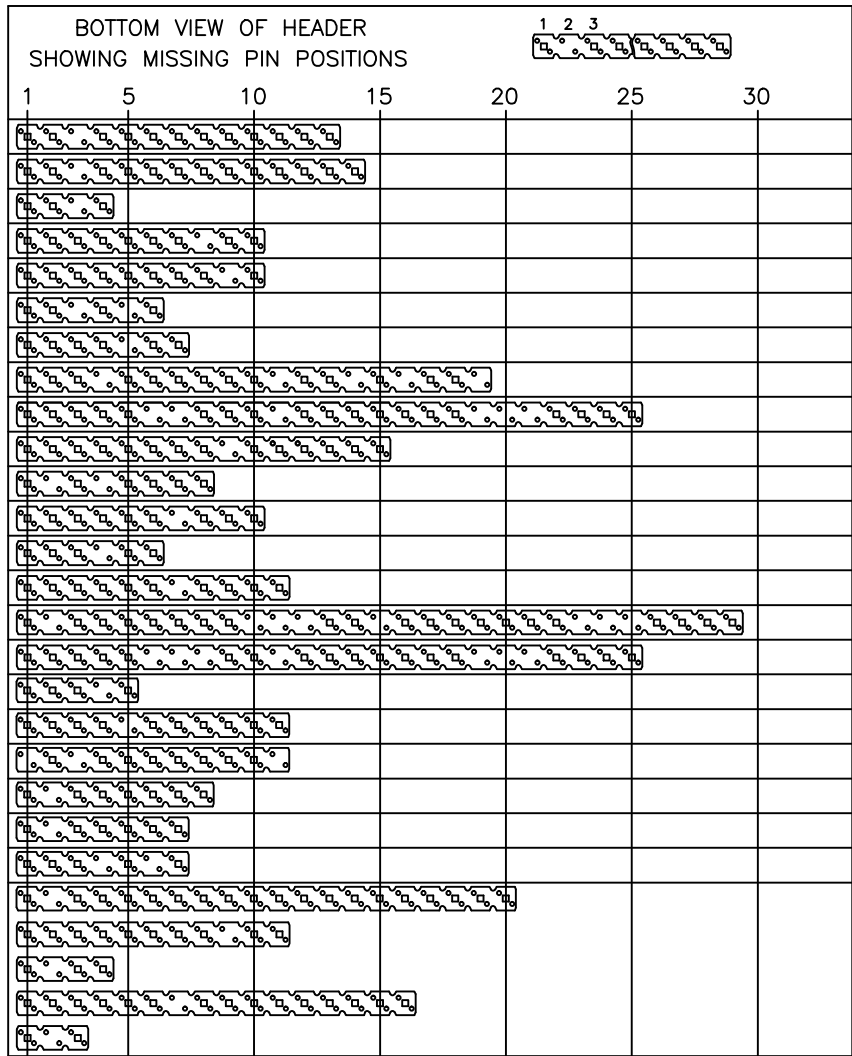
| | | |
|--------------|----------------------------------|------------|
| 77312-8XX | 0.38μm Au/GXT | 4μm SnPb |
| 77312-4XX | 4μm SnPb FULL PLATED | |
| 77312-2XX | 1.27μm Au | 4μm SnPb |
| 77312-1XX | 0.76μm Au/GXT | 4μm SnPb |
| 77312-1XXS | 0.76μm Au/GXT | GOLD FLASH |
| PLATING CODE | CONTACT AREA | REMAINDER |
| | PLATING THICKNESS OVER 1.27μm Ni | |

| | | | | | | | | | |
|-------------|--|----------------|--|------------------|--|---------------------------------------|--|----------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| | | ISO 1302 | | ISO 406 ISO 1101 | | | | BSTIK | |
| ltr | | ecn no | | date | | tolerances unless otherwise specified | | title | |
| J | | F40810 | | JMC 94.10.20 | | angles | | HEADER,SR,STR, | |
| K | | F50801 | | JMC 95.10.27 | | Linear | | POL,DUPLX,2.54mm | |
| L | | F60884 | | OMA 96.12.05 | | | | scale 1:1 | |
| M | | F10707 | | LMU 01.11.28 | | dr | | COMPAGNON J 95.01.11 | |
| N | | F06-0196 | | LMU 06.06.20 | | enr | | JMC 95.10.27 | |
| P | | F08-0148 | | RTR 08.03.31 | | chr | | | |
| R | | B-17773 | | LMU 14.05.26 | | appd | | JMC 95.10.27 | |
| sheet index | | revision sheet | | | | | | | |



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| PIN STYLE | PRODUCT DEFINITION | | | |
|-----------|--------------------|-------------|-------------|-------------|
| | NB OF POS | MATING SIDE | SOLDER SIDE | ("OAL") REF |
| 23 | 1x 13 | 5.84 | 3.42 | 11.8 |
| 24 | 1x 14 | 5.84 | 3.42 | 11.8 |
| 25 | 1x 4 | 5.84 | 3.42 | 11.8 |
| 26 | 1x 10 | 5.84 | 3.42 | 11.8 |
| 27 | 1x 10 | 5.84 | 3.42 | 11.8 |
| 28 | 1x 6 | 5.72 | 2.54 | 10.8 |
| 29 | 1x 7 | 5.84 | 3.42 | 11.8 |
| 30 | 1x 19 | 5.84 | 3.42 | 11.8 |
| 31 | 1x 25 | 5.84 | 3.42 | 11.8 |
| 32 | 1x 15 | 5.84 | 3.42 | 11.8 |
| 33 | 1x 8 | 5.84 | 3.42 | 11.8 |
| 34 | 1x 10 | 5.84 | 3.42 | 11.8 |
| 35 | 1x 6 | 5.84 | 3.42 | 11.8 |
| 36 | 1x 11 | 5.84 | 3.42 | 11.8 |
| 37 | 1x 29 | 5.84 | 3.42 | 11.8 |
| 38 | 1x 25 | 5.84 | 3.42 | 11.8 |
| 39 | 1x 5 | 5.72 | 2.54 | 10.8 |
| 40 | 1x 11 | 5.72 | 3.05 | 11.3 |
| 41 | 1x 11 | 5.72 | 3.05 | 11.3 |
| 42 | 1x 8 | 7.75 | 3.06 | 13.35 |
| 43 | 1x 7 | 5.84 | 3.42 | 11.8 |
| 44 | 1x 7 | 5.72 | 2.54 | 10.8 |
| 45 | 1x 20 | 5.72 | 7.64 | 15.9 |
| 46 | 1x 11 | 5.72 | 3.05 | 11.3 |
| 48 | 1x 4 | 5.72 | 3.05 | 11.3 |
| 49 | 1x 16 | 5.72 | 7.64 | 15.9 |
| 50 | 1x 3 | 5.72 | 3.05 | 11.3 |



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| | | | | | | | | | |
|-------------|--|----------------|--|------------------|--|------------|--|-----------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| | | ISO 1302 | | ISO 406 ISO 1101 | | | | BSTIK | |
| ltr | | ecn no | | dr | | date | | title | |
| J | | F40810 | | JMC | | 94.10.20 | | HEADER,SR,STR, | |
| K | | F50801 | | JMC | | 95.10.27 | | POL,DUPLX,2.54mm | |
| L | | F10707 | | LMU | | 01.11.28 | | scale 1:1 | |
| M | | F06-0196 | | LMU | | 06.06.20 | | | |
| N | | F11-0034 | | LMU | | 11.03.03 | | dwg no | |
| | | | | | | | | sheet 3 of - size | |
| | | | | | | | | 77312 A3 | |
| | | | | | | | | type CUSTOMER Drawing | |
| sheet index | | revision sheet | | | | | | | |

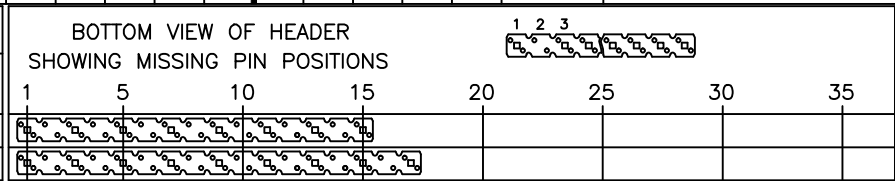
| PIN STYLE | PRODUCT DEFINITION | | | | BOTTOM VIEW OF HEADER SHOWING MISSING PIN POSITIONS | | | | | | | | |
|-----------|--------------------|-------------|-------------|-------------|--|---|----|----|----|----|----|----|--|
| | NB OF POS | MATING SIDE | SOLDER SIDE | ("OAL") REF | 1 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | |
| 51 | 1x5 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 52 | 1x13 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 53 | 1x35 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 54 | 1x11 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 55 | 1x23 | 12.83 | 3.03 | 18.4 | | | | | | | | | |
| 56 | 1x23 | 17.5 | 3.46 | 23.5 | | | | | | | | | |
| 57 | 1x5 | 5.84 | 3.42 | 11.8 | | | | | | | | | |
| 58 | 1x7 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 59 | 1x5 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 60 | 1x6 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 61 | 1x8 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 62 | 1x4 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 63 | 1x4 | 15.57 | 2.84 | 20.95 | | | | | | | | | |
| 65 | 1x4 | 5.72 | 2.54 | 10.8 | | | | | | | | | |
| 66 | 1x8 | 5.72 | 2.54 | 10.8 | | | | | | | | | |
| 67 | 1x4 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 68 | 1x4 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 69 | 1x6 | 5.72 | 3.05 | 11.3 | | | | | | | | | |
| 70 | 1x3 | 5.72 | 2.54 | 10.8 | | | | | | | | | |
| 71 | 1x5 | 5.84 | 2.42 | 10.8 | | | | | | | | | |
| 72 | 1x13 | 5.72 | 2.54 | 10.8 | | | | | | | | | |
| 73 | 1x8 | 5.84 | 2.41 | 10.8 | | | | | | | | | |
| 74 | 1x16 | 5.84 | 2.41 | 10.8 | | | | | | | | | |
| 75 | 1x08 | 5.84 | 2.41 | 10.8 | | | | | | | | | |
| 76 | 1x05 | 2.50 | 1.80 | 6.84 | | | | | | | | | |
| 77 | 1x05 | 2.50 | 1.80 | 6.84 | | | | | | | | | |
| 78 | 1x03 | 8.13 | 2.33 | 13.00 | | | | | | | | | |
| 79 | 1x35 | 5.84 | 3.42 | 11.80 | | | | | | | | | |
| 80 | 1x07 | 2.50 | 1.80 | 6.84 | | | | | | | | | |
| 81 | 1x03 | 24.90 | 3.00 | 30.40 | | | | | | | | | |
| 82 | 1x05 | 20.65 | 11.00 | 34.15 | | | | | | | | | |
| 83 | 1x12 | 5.84 | 3.42 | 11.80 | | | | | | | | | |
| 84 | 1x05 | 8.00 | 2.90 | 13.40 | | | | | | | | | |
| 85 | 1x07 | 8.00 | 2.90 | 13.40 | | | | | | | | | |

| | | | |
|-------------------------|---------------------------------------|------------------|------------|
| mat'l. code | surface | tolerance | projection |
| | ISO 1302 | ISO 406 ISO 1101 | |
| tr ecn no dr date | tolerances unless otherwise specified | | |
| S F10355 LMU 01.06.25 | | | |
| T F10707 LMU 01.11.28 | angles | Linear | mm |
| U F06-0196 LMU 06.06.20 | scale N/A | | |
| V F11-0034 LMU 11.03.03 | dr | COMPAGNON J | 95.10.11 |
| W F11-0045 LMU 11.04.06 | enr | JMC | 95.10.27 |
| X F11-0329 LMU 11.11.17 | chr | | |
| Y B-16703 LMU 14.01.09 | appd | JMC | 95.10.27 |
| sheet index | revision sheet | | |

| | | | |
|----------------|------------------------------------|---------|--|
| product family | BSTIK | | |
| title | HEADER,SR,STR, POL,DUPLX,2.54mm | | |
| dwg no | sheet 4 of | size | |
| 77312 | | A3 | |
| type | CUSTOMER | Drawing | |

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| PIN STYLE | PRODUCT DEFINITION | | | |
|-----------|--------------------|-------------|-------------|-------------|
| | NB OF POS | MATING SIDE | SOLDER SIDE | ("OAL") REF |
| 86 | 1x 15 | 12.56 | 0.8 | 15.90 |
| 87 | 1x 17 | 12.56 | 0.8 | 15.90 |



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| | | | | | | | | | |
|-------------|----------------|--|----------|--|--|----------------|--------------------------|---|--|
| mat'l. code | | surface ISO 1302 <input checked="" type="checkbox"/> ISO 406 ISO 1101 | | tolerance tolerances unless otherwise specified | | projection | | product family BSTIK | |
| ltr | ecn no | dr | date | angles | | mm | | title HEADER,SR,STR, POL,DUPLX,2.54mm | |
| A | B-17773 | LMU | 14.05.26 | linear | | scale N/A | | dwg no 77312 | |
| | | dr | L.MULIN | 14.05.26 | | | sheet 5 of A3 | | |
| | | enr | JMC | 14.05.26 | | | type CUSTOMER Drawing | | |
| | | chr | | | | | | | |
| | | app | 05.26 | 95.10.27 | | | | | |
| sheet index | revision sheet | | | | | | | | |