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PRODUCT NUMBER  
87690-YXXRLF

- RoHS COMPATIBLE, SEE NOTE 6
- OPTION, NOTE 4.
- PIN STYLE, SHEET 2.

PLATING

- 1 = 0.76µm FULL GOLD/GXT, OVER 1.27µm Ni MIN
- 3 = 3.81µm FULL TIN/LEAD OVER 1.27µm Ni MIN.  
WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER  
1.27µm MIN NICKEL IS PROVIDED INSTEAD OF TIN-LEAD
- 7 = FULL GOLD FLASH, OVER 1.27µm Ni MIN
- 8 = 0.38µm FULL GOLD/GXT, OVER 1.27µm Ni MIN

NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK.
- PIN MATERIAL : PHOSPHOR BRONZE.
- 12N MIN RETENTION IN EITHER DIRECTION.
- FOR RETENTION FEATURE DETAILS, SEE SHEET 3. OMIT IF FEATURE NOT APPLICABLE
- STANDARD PACKAGING IN POLYBAGS.
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

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

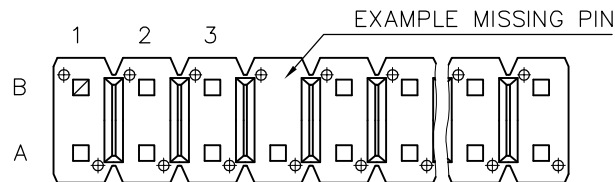
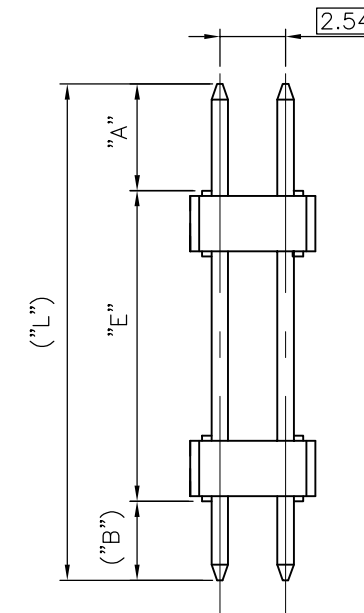
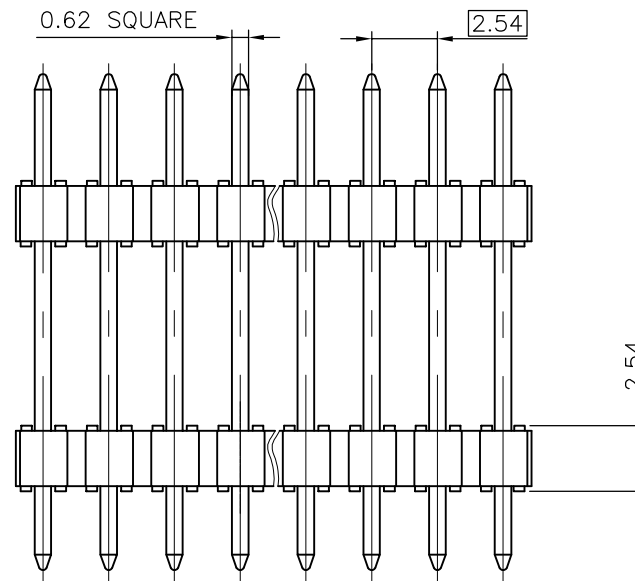
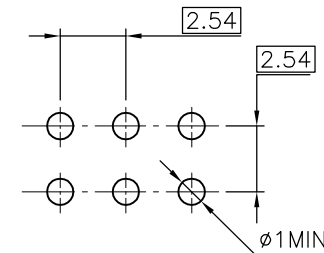
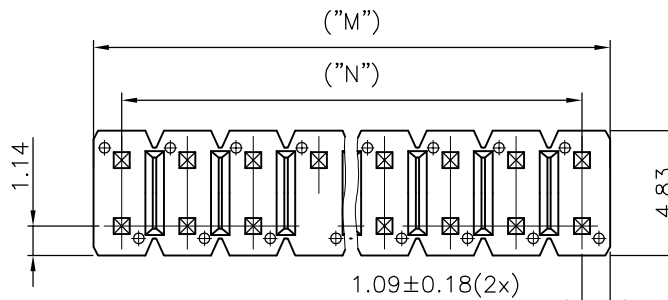
b - MANUFACTURING PROCESS COMPATIBILITY

- 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<br>SEE NOTES |                |      |          | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406 ISO 1101 |                                                                                       | projection<br> | product family<br>BSTIK          |          |              |       |           |
| ltr                      | ecn no         | dr   | date     | tolerances unless otherwise specified |             |                               |                                                                                       |                                                                                                     | title                            |          |              |       |           |
| V                        | F12-0043       | LMU  | 12.05.02 | angles                                | linear      | .X                            | ±0.3                                                                                  |                | HEADER STR,DR<br>DOUBLE BODY POL |          |              |       |           |
| W                        | B-19782        | AMA  | 14.12.18 |                                       |             | .XX                           | ±0.15                                                                                 |                                                                                                     |                                  |          |              |       |           |
| X                        | B-21151        | AMA  | 15.06.15 |                                       |             |                               | XXX                                                                                   |                                                                                                     |                                  |          |              | ±0.05 | scale 5:1 |
| Y                        | F-22417        | JJU  | 15.11.05 | dr                                    | O. MATHEVON | 96.06.07                      |  | dwg no                                                                                              |                                  |          | sheet 1 of 3 | size  |           |
| AA                       | F23090         | JCO  | 16.01.20 | engr                                  | COMPAGNON J | 96.06.07                      |                                                                                       | 87690                                                                                               |                                  |          | A3           |       |           |
|                          |                |      |          | chr                                   | JMC         | 96.06.07                      |                                                                                       |                                                                                                     |                                  |          |              |       |           |
| U                        | F06-0196       | LMU  | 06.06.20 | appd                                  | JMC         | 96.06.07                      |                                                                                       |                                                                                                     |                                  |          |              |       |           |
| sheet index              | revision sheet | AA 1 | W 2      | G 3                                   |             |                               |                                                                                       |                                                                                                     | type                             | CUSTOMER | Drawing      |       |           |

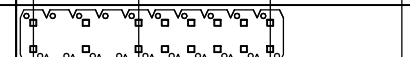
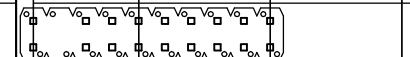
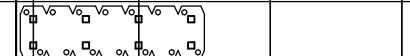
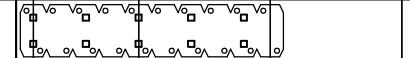
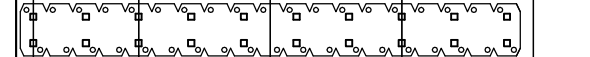
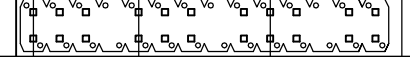
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| PRODUCT<br>NUMBER | PRODUCT DIMENSIONS |             |              |              |              |              |              | VIEW OF MISSING PINS POSITION<br>FROM BOTTOM VIEW                                   |   |   |    |    |    |    |    |    |
|-------------------|--------------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------------------------------------------------------------------------------|---|---|----|----|----|----|----|----|
|                   | NBR<br>POS         | "A"<br>±0.2 | "E"<br>±0.25 | "B"<br>±0.25 | ("L")<br>REF | ("M")<br>REF | ("N")<br>REF |  | 1 | 5 | 10 | 15 | 20 | 25 | 30 | 35 |
| 87690-X07         | 2x10               | 11.96       | 18.5         | 3.2          | 33.66        | 25.4         | 22.86        |   |   |   |    |    |    |    |    |    |
| 87690-X10         | 2x10               | 11.96       | 18.5         | 3.2          | 33.66        | 25.4         | 22.86        |   |   |   |    |    |    |    |    |    |
| 87690-X15         | 2x07               | 11.96       | 18.5         | 3.2          | 33.66        | 17.78        | 15.24        |   |   |   |    |    |    |    |    |    |
| 87690-X18         | 2x09               | 4.95        | 6.00         | 4.95         | 15.90        | 22.86        | 20.82        |   |   |   |    |    |    |    |    |    |
| 87690-X19         | 2x09               | 8.60        | 6.00         | 8.60         | 23.20        | 22.86        | 20.82        |   |   |   |    |    |    |    |    |    |
| 87690-X20         | 2x10               | 6.00        | 14.70        | 3.30         | 24.00        | 25.4         | 22.86        |   |   |   |    |    |    |    |    |    |
| 87690-X21         | 2x19               | 6.00        | 14.70        | 3.30         | 24.00        | 48.26        | 45.72        |   |   |   |    |    |    |    |    |    |
| 87690-X22         | 2x13               | 10.50       | 7.75         | 10.50        | 28.80        | 33.02        | 30.48        |   |   |   |    |    |    |    |    |    |
| 87690-X23         | 2x14               | 8.60        | 6.00         | 8.60         | 23.20        | 35.56        | 33.02        |   |   |   |    |    |    |    |    |    |
| 87690-X24         | 2x14               | 8.95        | 6.00         | 8.95         | 23.9         | 35.56        | 33.02        |   |   |   |    |    |    |    |    |    |



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|-------------|----------|-----|----------|---------------------------------------|-------------------------------|----------------|-------------------------------------------|--|--|--|
| mat'l. code |          |     |          | surface<br>ISO 1302                   | tolerance<br>ISO 406 ISO 1101 | projection<br> | product family<br>BSTIK                   |  |  |  |
| ltr         | ecr no   | dr  | date     | tolerances unless otherwise specified |                               |                | title<br>HEADER STR,DR<br>DOUBLE BODY POL |  |  |  |
| V           | F-22417  | JJU | 15.11.05 | angles                                | linear                        |                |                                           |  |  |  |
| W           | F-23090  | JCO | 16.01.20 |                                       |                               |                |                                           |  |  |  |
| R           | F06-0196 | LMU | 06.06.20 | dr                                    | O. MATHEVON                   | 96.06.07       |                                           |  |  |  |
| S           | F12-0043 | LMU | 12.05.02 | enr                                   | JMC                           | 96.06.07       |                                           |  |  |  |
| T           | B-19776  | AMA | 14.12.18 | chr                                   | JMC                           | 96.06.07       |                                           |  |  |  |
| U           | B-21151  | AMA | 15.06.15 | appd                                  | JMC                           | 96.06.07       |                                           |  |  |  |
| sheet       | revision |     |          |                                       |                               |                | dwg no                                    |  |  |  |
| index       | sheet    |     |          |                                       |                               |                | 87690                                     |  |  |  |
|             |          |     |          |                                       |                               |                | sheet 2 of -                              |  |  |  |
|             |          |     |          |                                       |                               |                | size                                      |  |  |  |
|             |          |     |          |                                       |                               |                | A3                                        |  |  |  |
|             |          |     |          |                                       |                               |                | type                                      |  |  |  |
|             |          |     |          |                                       |                               |                | CUSTOMER                                  |  |  |  |
|             |          |     |          |                                       |                               |                | Drawing                                   |  |  |  |



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A

B

C

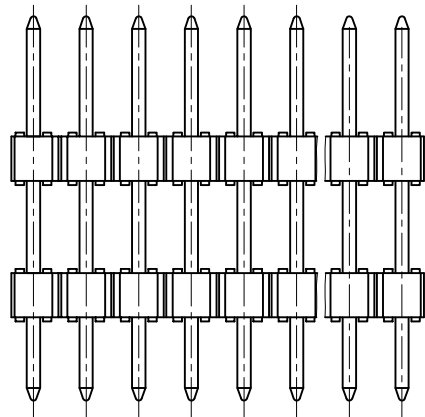
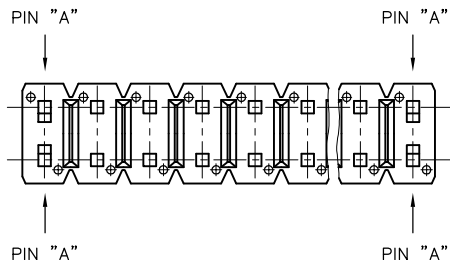
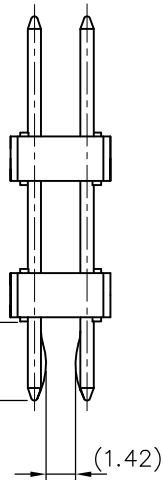
D

A

B

C

D

DIM "B"  
SEE NOTE 5

## NOTES:

- 1 - PART NUMBER 87690-YXX
- 2 - PINS "A" USED FOR RETENTION.
- 3 - DIRECTION OF RETENTION SHOWN BY ARROWS.
- 4 - KINKED LEGS LOCATION CAN BE MOVED IF A PIN IS MISSING.
- 5 - RETENTION VERSION ONLY AVAILABLE WHEN DIM "B" IS BETWEEN 2.9 mm AND 3.5 mm.
- 6 - 2 AND 3 POSN KINKED HEADER ARE NOT AVAILABLE.

"R" INDICATES A RETENTION HEADER.

|             |          |                |          |                                       |             |                  |          |            |                |                       |  |
|-------------|----------|----------------|----------|---------------------------------------|-------------|------------------|----------|------------|----------------|-----------------------|--|
| mat'l. code |          |                |          | surface                               |             | tolerance        |          | projection | product family |                       |  |
|             |          |                |          | ISO 1302 ✓                            |             | ISO 406 ISO 1101 |          |            | BSTIK          |                       |  |
| ltr         | ecn no   | dr             | date     | tolerances unless otherwise specified |             |                  |          |            |                | title                 |  |
| A           | F60421   | OMA            | 96.06.07 | angles                                |             | linear           |          | mm         |                | HEADER STR,DR         |  |
| B           | 70102    | JMC            | 97.01.10 |                                       |             |                  |          | — mm —     |                | DOUBLE BODY POL       |  |
| C           | F70179   | JMC            | 97.03.28 |                                       |             |                  |          | scaleN/A   |                |                       |  |
| D           | F70815   | OMA            | 97.12.23 | dr                                    | O. MATHEVON |                  | 96.06.07 |            |                | dwg no                |  |
| E           | F80321   | JMC            | 98.05.04 | engr                                  | JMC         |                  | 96.06.07 |            |                | sheet 3 of— size      |  |
| F           | F05-0291 | JCO            | 05.11.14 | chr                                   | JMC         |                  | 96.06.07 |            |                | 87690 A3              |  |
| G           | F06-0196 | LMU            | 06.06.20 | appd                                  | JMC         |                  | 96.06.07 |            |                | type CUSTOMER Drawing |  |
| sheet index |          | revision sheet |          |                                       |             |                  |          |            |                |                       |  |