

PRODUCT NUMBER  
10135248-4XX-XXLF

PLATING  
FULL TIN 2.5μm MIN  
UNDERPLATING 1.27μm Ni MIN

NOTES 4 & 5  
NB OF CONTACTS  
PACKAGING, NOTE 3

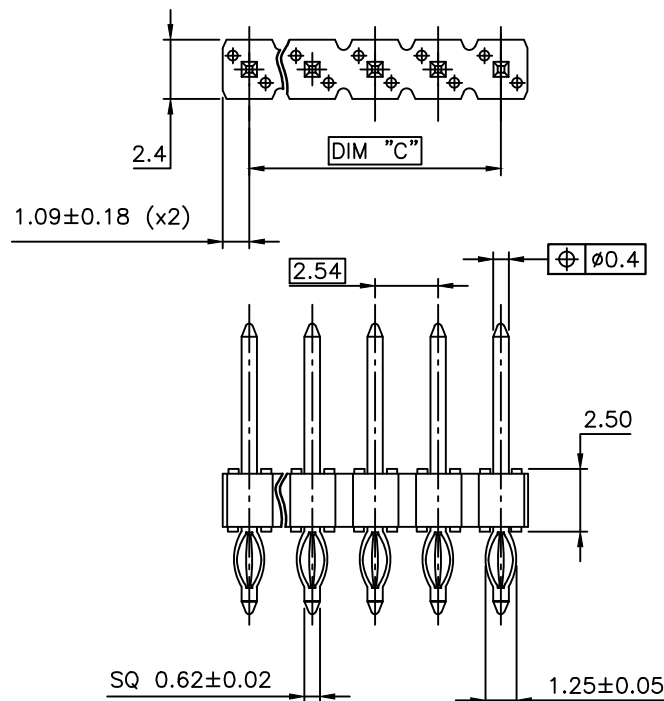
| PIN STYLE | DIM "E"<br>+0.03<br>-0.27 | DIM "C" |
|-----------|---------------------------|---------|
| 01        | 9.90                      | 7.62    |
| 02        | 11.58                     | 10.16   |

NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE  
a- AUTOMOTIV PIN TIP DESIGN
- PACKAGING  
- = POLYBAGS  
K = TAPE AND REEL WITHOUT PICK-UP CAP.
- LEAD FREE CONNECTOR
- "LF" MEANS THAT THE PRODUCT IS RoHS COMPLIANT THEN MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-47-004

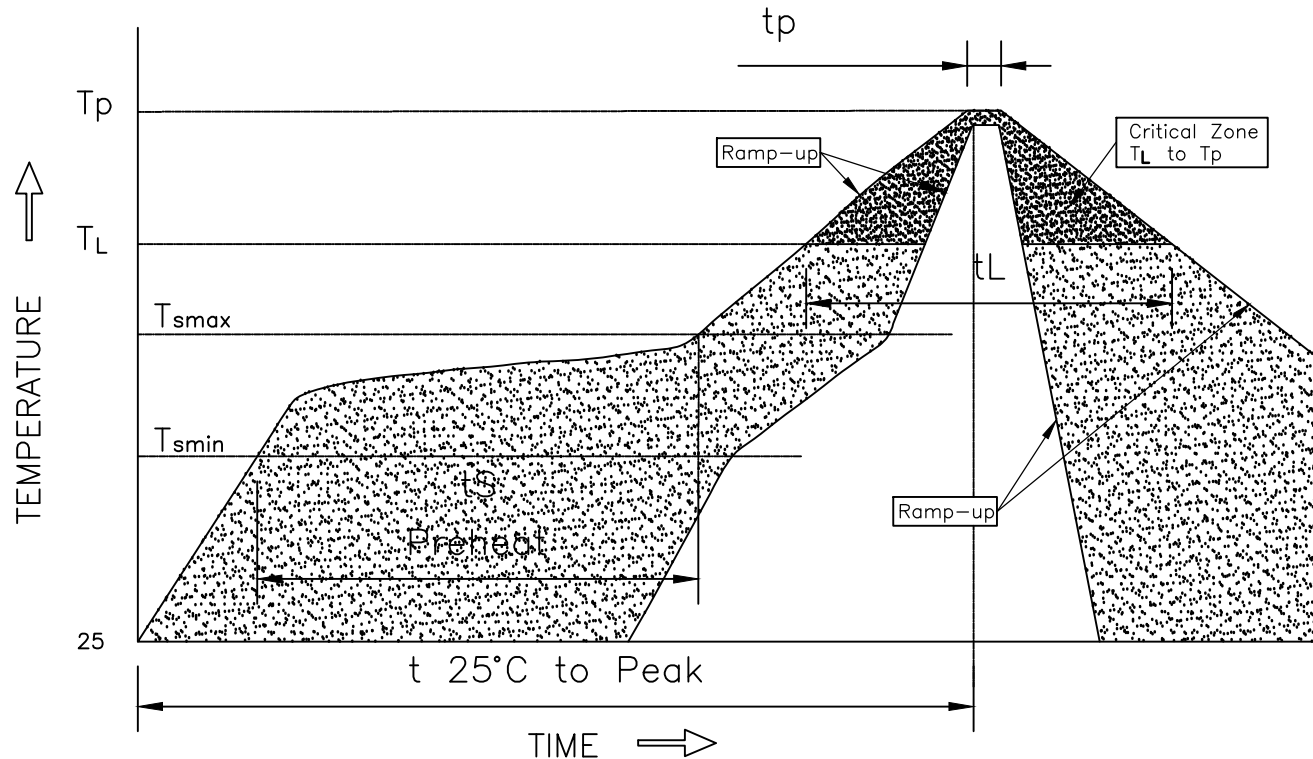
THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE IN ACCORDANCE WITH RECOMMENDED REFLOW CURVE PAGE 2 AND JEDEC J-STD-020.

- 9N MIN RETENTION IN EITHER DIRECTION



RECOMMENDED  
POSITION ON THE PCB

|                        |  |  |  |                                       |                      |            |                  |  |
|------------------------|--|--|--|---------------------------------------|----------------------|------------|------------------|--|
| mat'l. code            |  |  |  | surface                               | tolerance            | projection | product family   |  |
| ltr ecn no dr date     |  |  |  | ISO 1302                              | ISO 406 ISO 1101     | mm         | BSTIK            |  |
| A --- LMU 15.06.04     |  |  |  | tolerances unless otherwise specified |                      | mm         | title            |  |
| B F-23027 AMA 16.01.13 |  |  |  | angles                                | .x ±0.3              | mm         | HEADER PF RET    |  |
| C F-23284 AMA 16.02.18 |  |  |  | Linear                                | .xx ±0.15            | mm         | SINGLE ROW       |  |
|                        |  |  |  |                                       | .xxx ±0.05           | scale 5:1  | dwg no           |  |
|                        |  |  |  | dr                                    | B.VERNIER 15.05.11   |            | sheet 1 of 2     |  |
|                        |  |  |  | enr                                   | L.MULIN 15.05.11     |            | size             |  |
|                        |  |  |  | chr                                   | J.COMPAGNON 15.05.11 |            | 10135248         |  |
|                        |  |  |  | appd                                  |                      |            | A3               |  |
| sheet index            |  |  |  | revision                              | C B                  |            | type             |  |
| sheet                  |  |  |  | sheet                                 | 1 2                  |            | CUSTOMER Drawing |  |



| Profile Feature                                 | Pb-free assembly |
|-------------------------------------------------|------------------|
| Average ramp-up rate (Ts max to Tp)             | 3°C/second max   |
| Preheat                                         |                  |
| -Temperature Min (Ts min)                       | 150°C            |
| -Temperature Max (Ts max)                       | 200°C            |
| -Time (Ts min to Ts max)                        | 60–180 seconds   |
| Time maintained above :                         |                  |
| -Temperature (TL)                               | 217°C            |
| -Time (tL)                                      | 60–150 seconds   |
| Peak Temperature (Tp)                           | See Table 2      |
| Time within 5°C of actual peak Temperature (tp) | 20–40 seconds    |
| Ramp down Rate                                  | 6°C / second max |
| Time 25°C to Peak Temperature                   | 8 minutes max    |

| table 2 Pb Free process – Classification Reflow Temperatures |                             |                                 |                              |
|--------------------------------------------------------------|-----------------------------|---------------------------------|------------------------------|
| Package Thickness                                            | Volume mm <sup>3</sup> <350 | Volume mm <sup>3</sup> 350–2000 | Volume mm <sup>3</sup> >2000 |
| <1.6 mm                                                      | 260 +0°C                    | 260 +0°C                        | 260 +0°C                     |
| 1.6mm–2.5mm                                                  | 260 +0°C                    | 250 +0°C                        | 245 +0°C                     |
| >2.5 mm                                                      | 250 +0°C                    | 245 +0°C                        | 245 +0°C                     |

NOTE : All temperatures refer to topside of the package, measured on the package body surface.

|             |                |           |             |                |
|-------------|----------------|-----------|-------------|----------------|
| mat'l. code | surface        | tolerance | projection  | product family |
| ISO 1302    | ISO 406        | ISO 1101  |             | BSTIK          |
| ltr         | ecn no         | dr        | date        | title          |
| A           | ---            | LMU       | 15.06.04    | HEADER PF RET  |
| B           | F-23027        | AMA       | 16.01.13    | SINGLE ROW     |
|             |                | angles    | Linear      | scale 5:1      |
|             |                | dr        | B.VERNIER   | 15.05.11       |
|             |                | enr       | L.MULIN     | 15.05.11       |
|             |                | chr       | J.COMPAGNON | 15.05.11       |
|             |                | appd      |             |                |
| sheet index | revision sheet |           |             |                |



dwg no 10135248  
sheet 2 of 2  
type CUSTOMER Drawing