



| DIMENSION | LOCKING LEVER |      |
|-----------|---------------|------|
|           | SHORT         | LONG |
| X Max.    | 25.30         | 28.0 |
| Y Max.    | 11.30         | 15.0 |
| Z         | 9.0           | 10.5 |

| POS. | DIMENSION                           |                                     |       |                                  |                                     |
|------|-------------------------------------|-------------------------------------|-------|----------------------------------|-------------------------------------|
|      | A <sup>+0.25</sup> <sub>-0.16</sub> | B <sup>+0.10</sup> <sub>-0.18</sub> | C±0.1 | D <sup>+0.13</sup> <sub>-0</sub> | E <sup>+0.05</sup> <sub>-0.27</sub> |
| 10   | 32.00                               | 27.94                               | 21.84 | 17.91                            | 10.16                               |
| 14   | 37.08                               | 33.02                               | 26.92 | 22.99                            | 15.24                               |
| 16   | 39.62                               | 35.56                               | 29.46 | 25.53                            | 17.78                               |
| 20   | 44.70                               | 40.64                               | 34.54 | 30.61                            | 22.86                               |
| 24   | 49.78                               | 45.72                               | 39.62 | 35.69                            | 27.94                               |
| 26   | 52.32                               | 48.26                               | 42.16 | 38.23                            | 30.48                               |
| 30   | 57.40                               | 53.34                               | 47.24 | 43.31                            | 35.56                               |
| 34   | 62.48                               | 58.42                               | 52.32 | 48.39                            | 40.64                               |
| 40   | 70.10                               | 66.04                               | 59.94 | 56.01                            | 48.26                               |
| 50   | 82.80                               | 78.74                               | 72.64 | 68.71                            | 60.96                               |
| 60   | 95.50                               | 91.44                               | 85.34 | 81.41                            | 73.66                               |
| 64   | 100.58                              | 96.52                               | 90.42 | 86.49                            | 78.74                               |

### TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL94V0; GREY / BLACK ON REQUEST

HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C FOR STRAIGHT CONNECTORS AS IT IS USED IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C FOR ANGLE CONNECTORS, PROTECTIVE ADHESIVE OR PROTECTIVE METALLIC DEVICE IS TO BE USED AS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C

CONTACT MATERIAL : COPPER ALLOY

CONTACT PLATING

ACTIVE ZONE : Au OR EQUIVALENT (Au OVER PALLADIUM NICKEL) OVER Ni.

TERMINATION ZONE : Sn (PURE MATTE) OVER Ni

CURRENT RATING : 1.5A AT 20°C

INSULATION RESISTANCE : 5000MΩ AT 100V

CONTACT RESISTANCE : 20mΩ

DIELECTRIC WITHSTANDING VOLTAGE : 1000Vrms

WORKING VOLTAGE : 250Vrms

OPERATING TEMPERATURE : -55°C TO +125°C

REFERENCE SPECIFICATION : IEC 603-13 / DIN 41651

### NOTES

- LEFT POLARISATION IS NOT PROVIDED FOR 10 & 14 POSITIONS.
- RIGHT POLARISATION IS NOT PROVIDED FOR 10 POSITION, INSTEAD PROJECTION AS SHOWN IN DETAIL-A WILL BE PROVIDED.
- INTERMEDIATE LEGS ARE PROVIDED ONLY ABOVE 20 POSITION.
- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 3.5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6 MM MINIMUM THICK CIRCUIT BOARD.
- LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920

SERIES 8613 010 2 1 14 3 4 5 E1LF

No. OF CONTACTS  
010,014,016,020,024,026,030,034,040,050,060,064

TYPE OF INSULATOR  
HEADER WITH CENTRAL POLARISATION FOR ALL POSITIONS ----- 2  
HEADER 10 POSITION WITH CENTRAL POLARISATION & INSIDE PROJECTION ----- 8

METHOD OF MOUNTING  
WITHOUT LEVERS ----- 0  
WITH LONG BLACK LEVERS ----- 1  
WITH SHORT BLACK LEVERS ----- 2  
WITH LONG GREY LEVERS ----- 3  
WITH SHORT GREY LEVERS ----- 4

TERMINATION STYLE  
STRAIGHT SPILL LONG (L = 4.35±0.35mm) ----- 14  
STRAIGHT SPILL SHORT (L = 2.9±0.2mm) ----- 24  
ANGLED SPILL LONG (L = 4.2±0.35mm) ----- 13  
ANGLED SPILL SHORT (L = 2.8±0.2mm) ----- 23

HOUSING MATERIAL  
PBT GREY ----- 3  
PBT BLACK ----- 2

PERFORMANCE CLASS  
DIN 41651 CLASS 3 ----- 4  
DIN 41651 CLASS 2 ----- 5  
DIN 41651 CLASS 1 ----- 6  
AS PER JSS 50810 ----- 8

LONGITUDINAL PITCH  
2.54 mm ----- 5  
5.08 mm ----- 8

SPECIAL CODE  
LEAD FREE VERSION ----- E1LF

|                                |           |                       |            |                                       |               |                  |  |                                                          |  |
|--------------------------------|-----------|-----------------------|------------|---------------------------------------|---------------|------------------|--|----------------------------------------------------------|--|
| mat'l. code<br>SEE TECH. SPEC. |           | surface<br>ISO 1302 ✓ |            | tolerance<br>ISO 406 ISO 1101         |               | projection<br>mm |  | product family<br>8613                                   |  |
| ltr                            | ecn no    | dr                    | date       | tolerances unless otherwise specified |               | mm               |  | title<br>HEADERS<br>STRAIGHT & ANGLED SPILL, TMT VERSION |  |
| B                              | 106-0066  | MINI                  | 2006-06-01 | angles                                | linear        | .0±.1            |  | dwg no<br>C-8613-0041                                    |  |
| C                              | 107-0132  | KR                    | 2007-10-05 | 0°±1°                                 |               | scale 3:2        |  | sheet 1 of 1 size<br>A3                                  |  |
| D                              | 108-0094  | KR                    | 2008-7-28  | 2001-12-18                            |               | FCJ              |  | type<br>Product Customer Drawing                         |  |
| E                              | 108-0145  | JS                    | 2008-10-18 | dr                                    | MINI K V      | 2001-12-18       |  |                                                          |  |
| F                              | 111-0193  | GT                    | 2011-12-20 | enrg                                  | RAKHEE GEORGE | 2001-12-18       |  |                                                          |  |
| G                              | BLX-14380 | MJM                   | 2013-03-08 | chr                                   | GREGAR MATHEW | 2016-03-31       |  |                                                          |  |
| H                              | BLX-12381 | GM                    | 2016-03-31 | appd                                  | BIJU K PAUL   | 2016-03-31       |  |                                                          |  |
| sheet index                    | revision  | G1.1                  |            |                                       |               |                  |  |                                                          |  |
|                                | sheet     | 1                     |            |                                       |               |                  |  |                                                          |  |

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