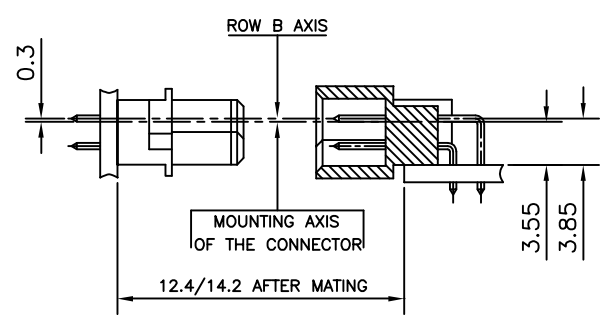
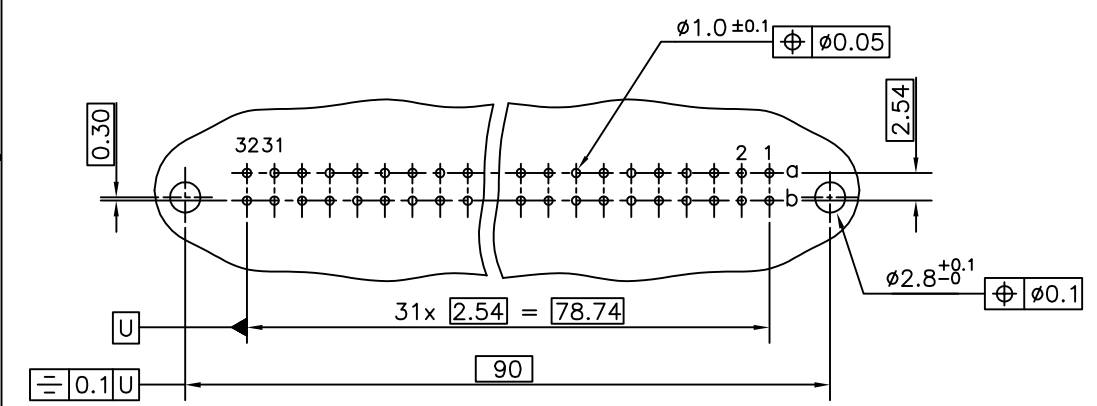


P.C.B DRILLING DETAILS



| | |
|-------------|-----------|
| 24 | 2.5 |
| 14 | 4.0 |
| TERM. STYLE | L +0.7/-0 |

TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL 94 V-0, GREY
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C

CONTACT MATERIAL : COPPER ALLOY

CONTACT PLATING : GOLD OVER NICKEL

ACTIVE ZONE : GOLD OVER NICKEL

TERMINATION ZONE : TIN LEAD OVER NICKEL

TIN LEAD VERSION : TIN LEAD OVER NICKEL

LEAD FREE VERSION : TIN (PURE MATTE) OVER NI

ELECTRICAL DATA

CURRENT RATING AT 20°C : 1.5 A

CURRENT (I MAX) : 2 A

TEMPERATURE RANGE : -55°C/ +125°C

CONTACT RESISTANCE : ≤ 20mΩ

INSULATION RESISTANCE : ≥ 10⁶ MΩ

TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT : ≤ 0.94N

EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

| | | | | | | | | | | |
|--------------------------------------|------|---|----|---|---|----|---|---|----|-------|
| SERIES | 8609 | 1 | 32 | 6 | 1 | 14 | 7 | 6 | 5 | F16E1 |
| ROWS FITTED WITH CONTACTS | | | | | | | | | | |
| Rows a b | | 2 | 64 | | | | | | | |
| Rows a | | 1 | 32 | | | | | | | |
| NUMBER OF CONTACTS | | | | | | | | | | |
| TYPE OF INSULATOR | | | | | | | | | | |
| 2 ROW FEMALE INSULATOR | | | | 6 | | | | | | |
| METHOD OF MOUNTING | | | | | | | | | | |
| STANDARD MOUNTING - STYLE B | | | | | 1 | | | | | |
| TERMINATION | | | | | | | | | | |
| LONG STRAIGHT SPILL (L - SEE TABLE) | | | | | | | | | 14 | |
| SHORT STRAIGHT SPILL (L - SEE TABLE) | | | | | | | | | 24 | |
| OPTIONS | | | | | | | | | | |
| NO OPTION | | | | | | | | | 7 | |
| PERFORMANCE CLASS | | | | | | | | | | |
| 4 - DIN 41612 CLASS 3 | | | | | | | | | | 4 |
| 5 - DIN 41612 CLASS 2 | | | | | | | | | | 5 |
| 6 - DIN 41612 CLASS 1 | | | | | | | | | | 6 |
| 8 - AS PER MIL C 55302/JSS 50808 | | | | | | | | | | 8 |
| PITCH PER ROW | | | | | | | | | | |
| 2.54 | | | | | | | | | | 5 |

F16E1 --- SPECIAL CODE : ONLY DATE CODE TO BE PRINTED ON CONNECTOR-TIN LEAD VERSION
 NBLF --- SPECIAL CODE : ONLY DATE CODE TO BE PRINTED ON CONNECTOR-LEAD FREE VERSION

NOTES:-

- 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 FOR LEAD FREE VERSION.

| | | | | | | | | | |
|-------------|--|----------|--|------------------|--|---------------------------------------|--|----------------------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| - | | ISO 1302 | | ISO 406 ISO 1101 | | | | 8609 | |
| litr | | ecn no | | date | | tolerances unless otherwise specified | | title | |
| A | | I05-0147 | | MINI 28/08/2005 | | angles linear | | DIN STANDARD RECEPTACLE | |
| B | | I06-0064 | | MINI 01/06/2006 | | 0°±1' | | STRAIGHT SPILL DIN 41612 STYLE-B | |
| | | | | | | | | scale - | |
| | | | | dr | | MINI K VANDANATH 22/09/2004 | | dwg no | |
| | | | | enfr | | RAKHEE GEORGE 22/09/2004 | | sheet 1 of 1 | |
| | | | | chr | | RAKHEE GEORGE 01/06/2006 | | size | |
| | | | | appd | | RAKHEE GEORGE 01/06/2006 | | A3 | |
| sheet index | | revision | | B | | | | type | |
| | | sheet | | 1 | | | | Product Customer Drawing | |