

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

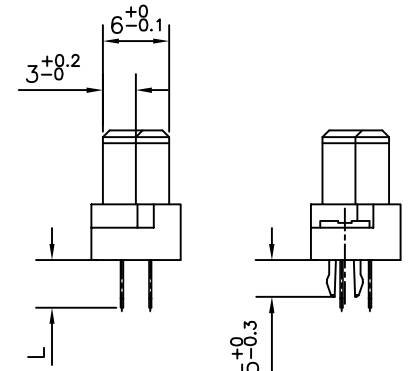
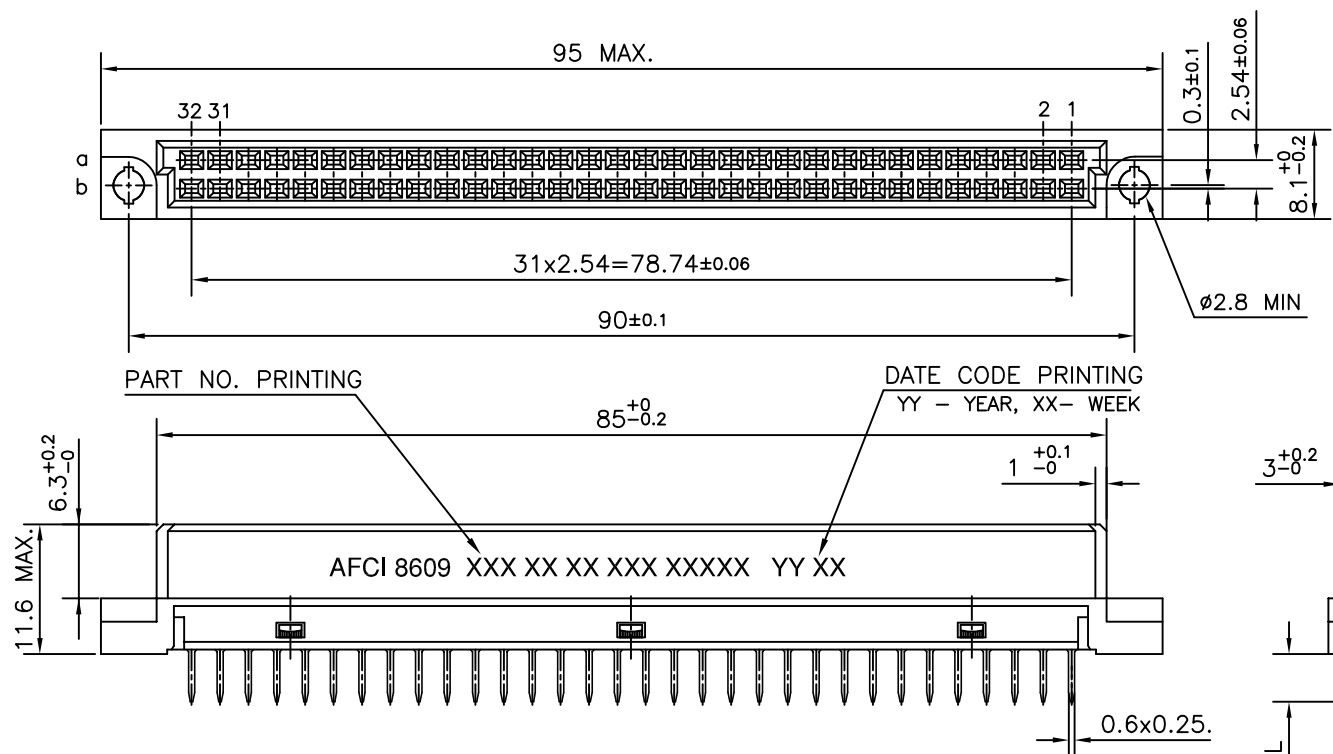
CONTACT MATERIAL : COPPER ALLOY
 CONTACT PLATING : GOLD / GXT™ OVER NICKEL
 ACTIVE ZONE : GOLD / GXT™ OVER NICKEL
 TERMINATION ZONE :
 LEAD FREE VERSION : TIN (PURE MATTE) OVER Ni

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 : ≥ 10⁸ MΩ
 TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA
 INSERTION FORCE PER CONTACT : ≤ 0.94N
 EXTRACTION FORCE PER CONTACT : ≥ 0.15N

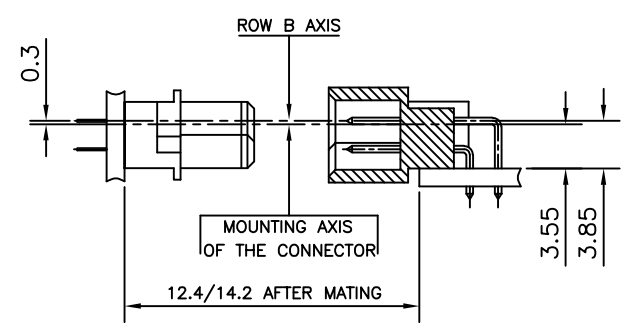
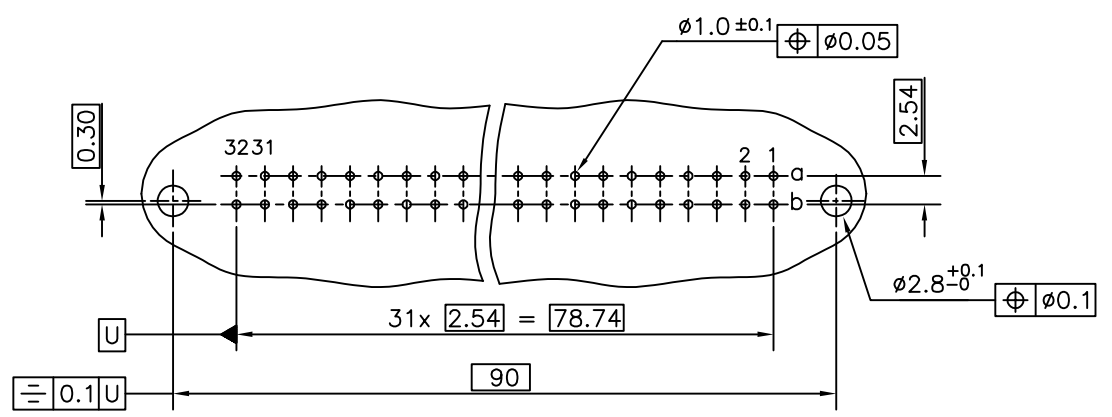
REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

| | | | | | | | | | | |
|--------------------------------------|-------------------|---|----|---|---|----|---|---|---|------|
| SERIES | 8609 | 2 | 64 | 6 | 1 | 14 | 7 | 5 | 5 | V1LF |
| 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 | | | | | | | | | |
| WITH HARPOONS | H | | | | | | | | | |
| 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 | | | | | | | | | |
| V1LF | LEAD FREE VERSION | | | | | | | | | |



| | |
|-------------|-----------------------------------|
| 24 | 2.5 |
| 14 | 4.0 |
| TERM. STYLE | L ^{+0.7} / ₋₀ |

P.C.B DRILLING DETAILS



NOTES:
 1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
 2. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.
 3. FOR GENERAL CHARACTERISTICS AND RoHS INFORMATION, REFER DRAWING C-8609-0000A.

| | | | | |
|---------------|-------------|------------------|-----------------|---|
| mat'l. code | surface | tolerance | projection | product family |
| - | ISO 1302 ✓ | ISO 406 ISO 1101 | | 8609 |
| ltr | ecn no | dr | date | title |
| A | - | MJA | 2012-10-10 | DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE-B |
| B | ELX-I-30159 | MJA | 2018-05-12 | |
| angles linear | | | | scale |
| 0°±1' | | | | mm |
| dr | M JACOB | 2012-05-22 | Amphenol FCi | dwg no |
| enr | M JACOB | 2012-05-22 | | sheet 1 of 1 |
| chr | M JACOB | 2018-05-12 | | size |
| appd | BIJU K PAUL | 2018-05-12 | | C-8609-2290 |
| sheet index | revision | B | | type |
| | sheet | 1 | | Product Customer Drawing |

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

[86091326114745V1LF](#) [86091326114755V1LF](#) [86092646114755V1LF](#) [86092646114765V1LF](#)
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