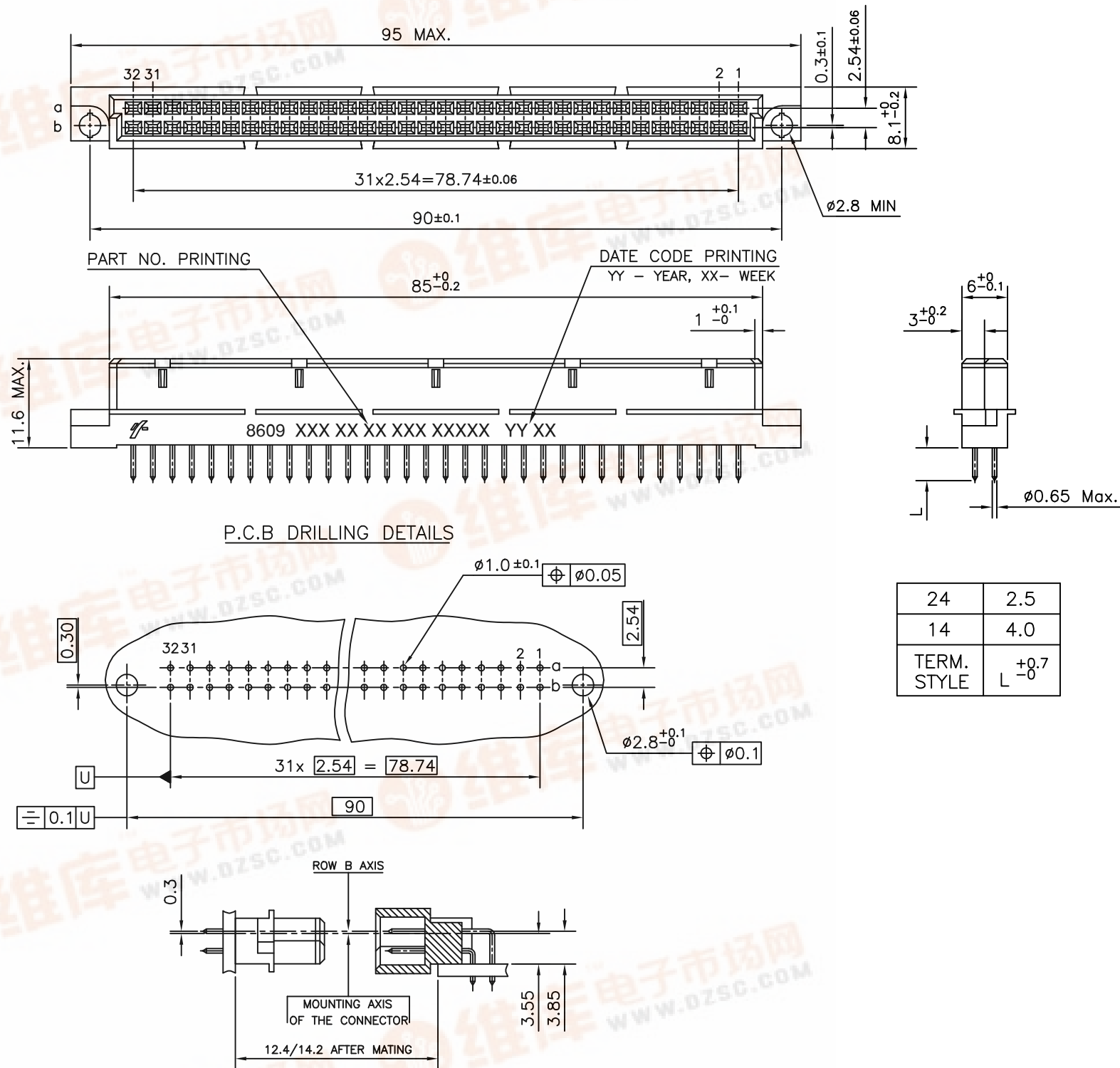


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## TECHNICAL SPECIFICATION

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

ACTIVE ZONE : GOLD OVER NICKEL

TERMINATION ZONE

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 :  $\leq 20\text{m}\Omega$

INSULATION RESISTANCE :  $\geq 10^6 \text{ M}\Omega$

TEST VOLTAGE (rms) : 1000V

### MECHANICAL DATA

INSERTION FORCE PER CONTACT :  $\leq 0.94\text{N}$

EXTRACTION FORCE PER CONTACT :  $\geq 0.15\text{N}$

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

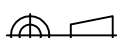
|                                                          |       |   |    |    |   |    |   |   |   |       |
|----------------------------------------------------------|-------|---|----|----|---|----|---|---|---|-------|
| SERIES                                                   | 8609  | 2 | 64 | 6  | 1 | 14 | 7 | 5 | 5 | 000E1 |
| 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  |    |   |    |   |   |   |       |
| 000E1-----TIN LEAD VERSION<br>E1LF-----LEAD FREE VERSION |       |   |    |    |   |    |   |   |   |       |

NOTES:-

1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
2. 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
3. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.

|       |            |                                                            |
|-------|------------|------------------------------------------------------------|
| b     | 19/05/2005 | TECHNICAL SPECIFICATION MODIFIED AND LEAD FREE NOTE ADDED. |
| a     | 22/09/2004 | DRAWING NO. WAS C-8609-0107 REV.c                          |
| INDEX | DATE       | REVISION DESCRIPTION                                       |

| ltr | Ecno no  | Dr   | date       |
|-----|----------|------|------------|
|     |          |      |            |
|     |          |      |            |
|     |          |      |            |
|     |          |      |            |
| b   | 105-0042 | MINI | 19/05/2005 |
| a   | 104-0100 | MINI | 09/11/2004 |

|                                                                                       |                  |                                                                       |            |                                                                                       |                          |                                                        |  |                                                                                                     |             |                                                                                             |  |
|---------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------|--|
|                                                                                       |                  |                                                                       |            |  |                          | Tolerance<br>LINEAR $\pm 0.1$<br>ANGULAR $\pm 1^\circ$ |  | Projection<br> |             | MM<br> |  |
| Dr                                                                                    | Mini K Vandanath |                                                                       | 22/09/2004 |                                                                                       | Product Family 8609      |                                                        |  | Size<br>A3                                                                                          | Scale _____ |                                                                                             |  |
| Eng                                                                                   | Rakhee George    |                                                                       | 22/09/2004 |                                                                                       | Spec ref                 |                                                        |  |                                                                                                     |             |                                                                                             |  |
| Chr                                                                                   | Rakhee George    |                                                                       | 19/05/2005 |                                                                                       | Material SEE TECH. SPEC. |                                                        |  | ECN                                                                                                 |             |                                                                                             |  |
| Appr                                                                                  | K Somasundaram   |                                                                       | 19/05/2005 |                                                                                       |                          |                                                        |  |                                                                                                     |             |                                                                                             |  |
|  |                  | Title<br>DIN STANDARD RECEPTACLE<br>(STRAIGHT SPILL DIN41612 STYLE-B) |            |                                                                                       |                          | Dwg no<br><b>C-8609-2020</b>                           |  |                                                                                                     |             | Rev.<br>b                                                                                   |  |
| D:\EGG\EURO\8609                                                                      |                  | Catalog no 8609---61147-5XXXXX, 8609---61247-5XXXXX                   |            |                                                                                       |                          | CUSTOMER COPY                                          |  |                                                                                                     |             | Sheet 1 of 1                                                                                |  |