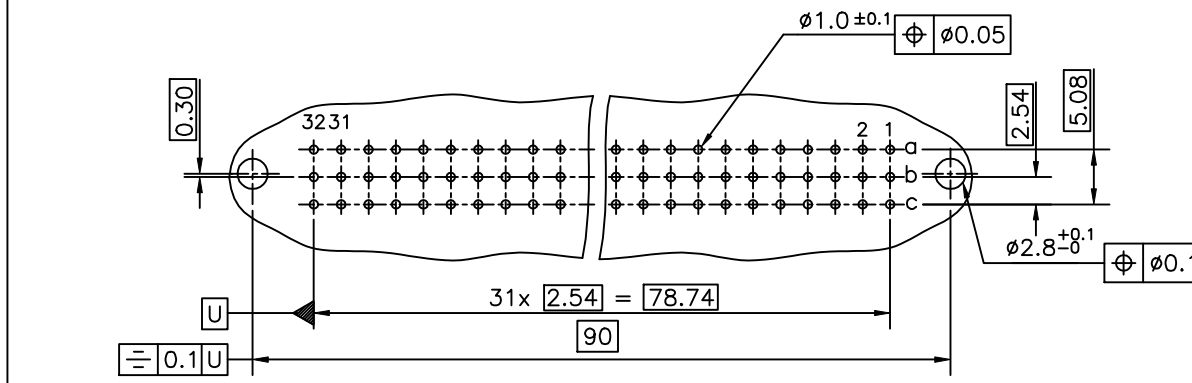
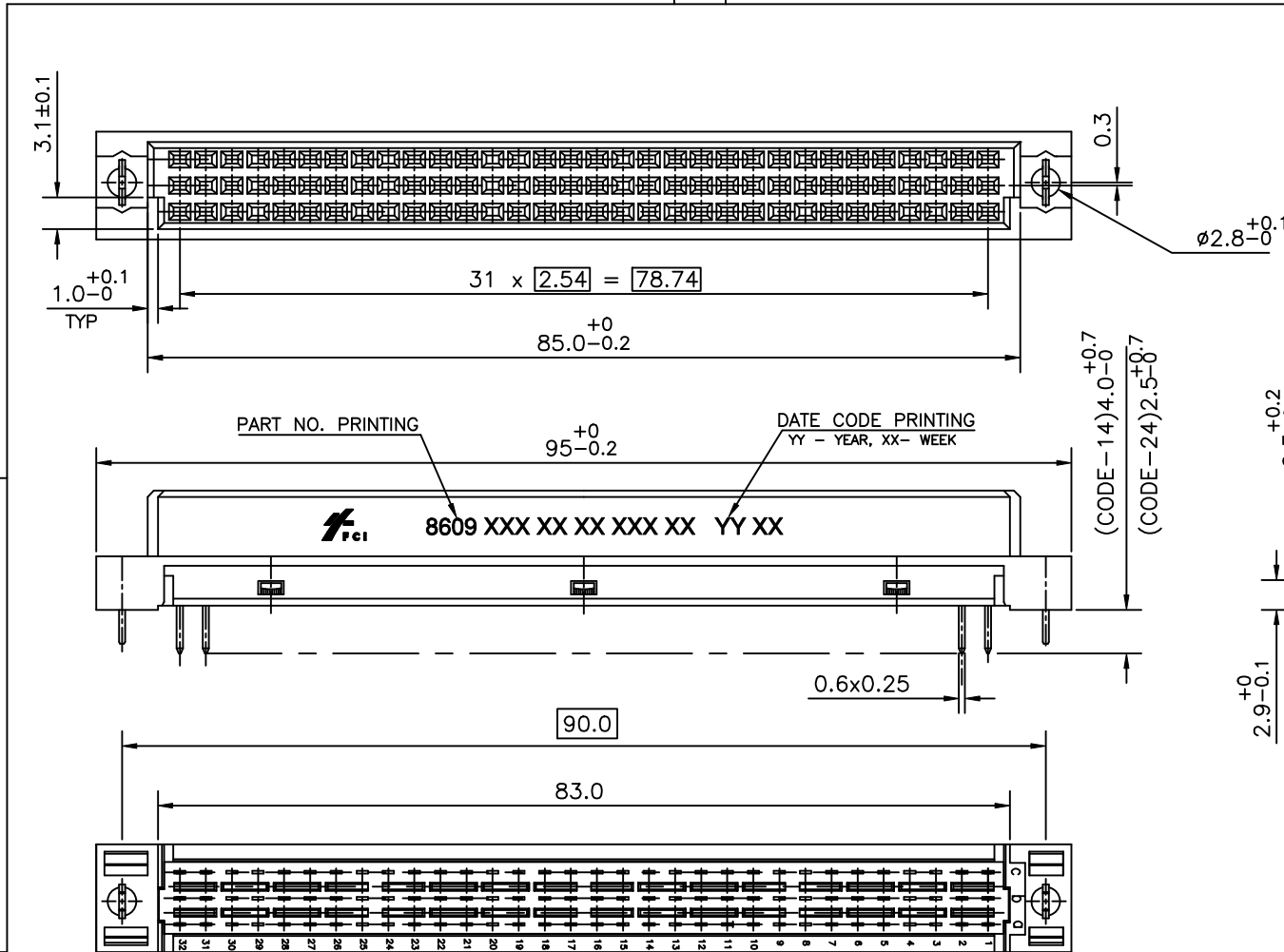


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P.C.B DRILLING DETAILS

**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.

d	DATE	REVISION DESCRIPTION
d	02/06/2005	TYPING ERROR
c	19/05/2005	TECHNICAL SPECIFICATION MODIFIED AND LEAD FREE NOTE ADDED.
b	09/11/2004	DIMNS. 90 & 78.74 WAS 90±0.1, 78.74±0.06

ltr	Ecn no	Dr	date
d	105-0086	MINI	02/06/2005
c	105-0042	MINI	19/05/2005
b	104-0100	MINI	09/11/2004

Dr <b>Mini K Vandanath</b> 29/09/2004		Product Family <b>8609</b>		Tolerance <b>LINEAR ±0.1</b> <b>ANGULAR ±1°</b>	Projection 	MM
Eng <b>Rakhee George</b> 29/09/2004		Spec ref		Size <b>A3</b>	Scale <b>2:1</b>	
Chr <b>Rakhee George</b> 02/06/2005		Material <b>SEE TECH. SPEC.</b>		ECN		
Appr <b>K Somasundaram</b> 02/06/2005						
<b>FCI</b>		Title <b>DIN STANDARD RECEPTACLE</b> (STRAIGHT SPILL DIN 41612 STYLE - C)		Dwg no <b>C-8609-2028</b>		Rev. <b>d</b>
C/EnggEuro/FCP		Catalog no <b>8609--8114--XXXX, 8609--8124--XXXX</b>		CUSTOMER COPY		Sheet 1 of 1

**TECHNICAL SPECIFICATION**

INSULATOR MATERIAL : THERMOPLASTIC POLYESTER UL94V-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°.  
 CONTACT / HARPOON 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 NICKEL  
 HARPOON PLATING :  
 TIN LEAD VERSION : TIN LEAD OVER NICKEL  
 LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL  
 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 : ≥ 10<sup>8</sup> 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	3	96	8	1	14	7	5	5	V1
ROWS FITTED WITH CONTACTS										
Rows a-b	2		64							
Rows a-b-c	3		96							
Rows a-c	4		64							
NUMBER OF CONTACTS										
TYPE OF INSULATOR	3 ROW FEMALE INSULATOR ----- 8									
METHOD OF MOUNTING	STANDARD MOUNTING STYLE- C ----- 1									
TERMINATION										
STRAIGHT SPILL (LONG)	----- 14									
STRAIGHT SPILL (SHORT)	----- 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									
V1	----- TIN LEAD VERSION									
V1LF	----- LEAD FREE VERSION									