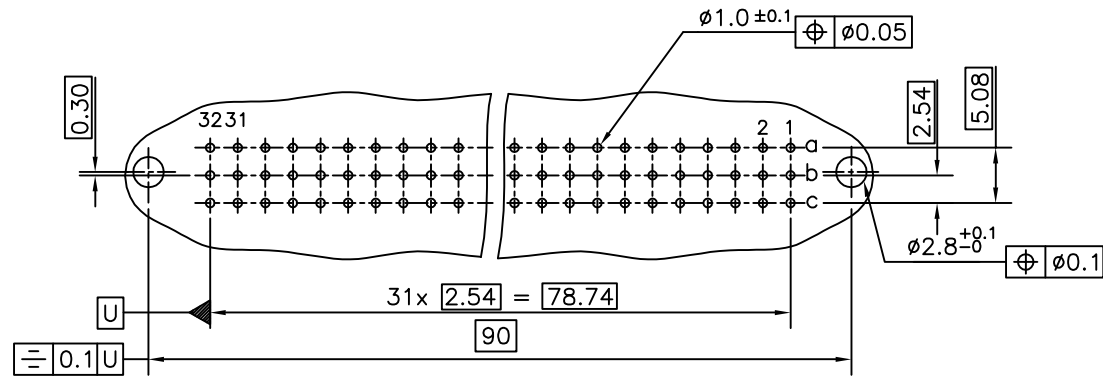
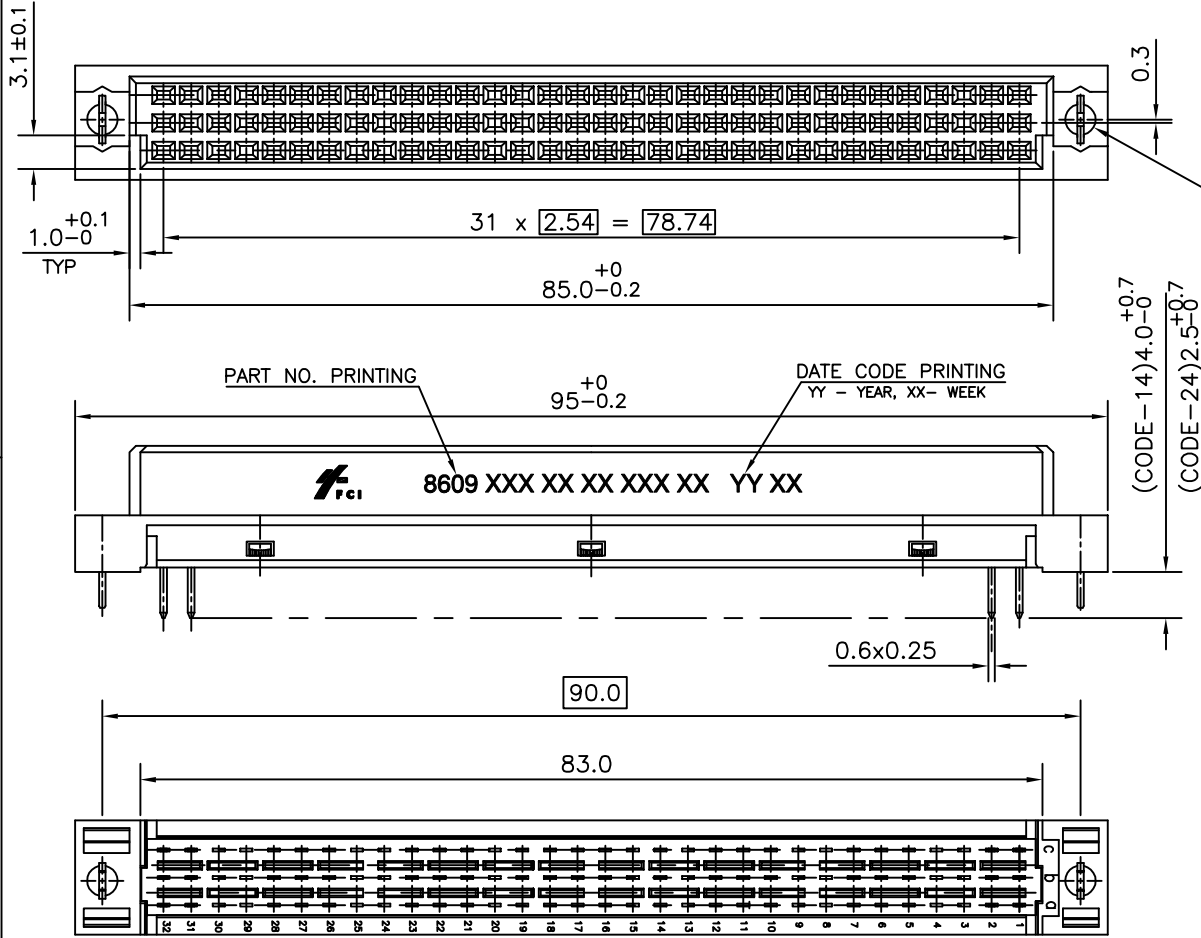




P.C.B DRILLING DETAILS

- 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.

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 : ≥ 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	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	

mat'l. code				surface		tolerance		projection		product family				
-				ISO 1302 ✓		ISO 406 ISO 1101				8609				
ltr	ecn no	dr	date	tolerances unless		otherwise specified				title				
B	I04-0100	MINI	09/11/2004	angles	linear	.0±.1				DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE-C				
C	I05-0042	MINI	19/05/2005											
D	I05-0086	MINI	02/06/2005			0°±1°								
E	I06-0063	MINI	01/06/2006	dr		MINI K VANDANATH		29/09/2004		dwg no		sheet 1 of 1		size
				engr		RAKHEE GEORGE		29/09/2004				C-8609-2028		A3
				chr		RAKHEE GEORGE		01/06/2006						
				appd		RAKHEE GEORGE		01/06/2006						
sheet index		revision		E							type Product Customer Drawing			
		sheet		1										