

**TECHNICAL SPECIFICATION**

HOUSING MATERIAL : POLYESTER THERMOPLASTIC 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°C

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 NI

HARPOON PLATING

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 : ≥ 10<sup>6</sup> MΩ

TEST VOLTAGE (rms) : 1000V

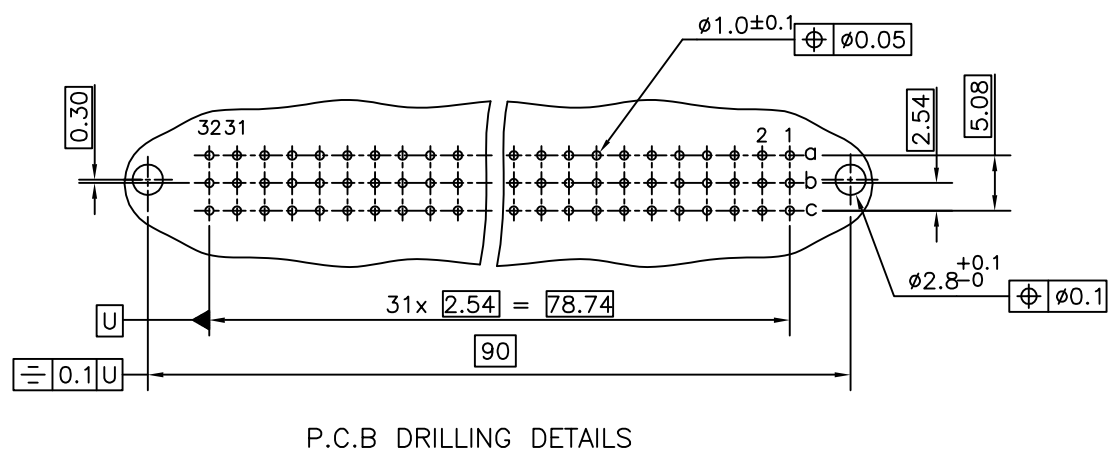
**MECHANICAL DATA**

INSERTION FORCE PER CONTACT : ≤ 0.94N

EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	3	48	8	1	14	7	5	8	V1
ROWS FITTED WITH CONTACTS										
Rows a-b-c	3		48							
Rows a-c	4		32							
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	5.08									
SPECIAL CODE										
V1	TIN LEAD VERSION									
V1LF	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.

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

Copyright FCI