

**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**

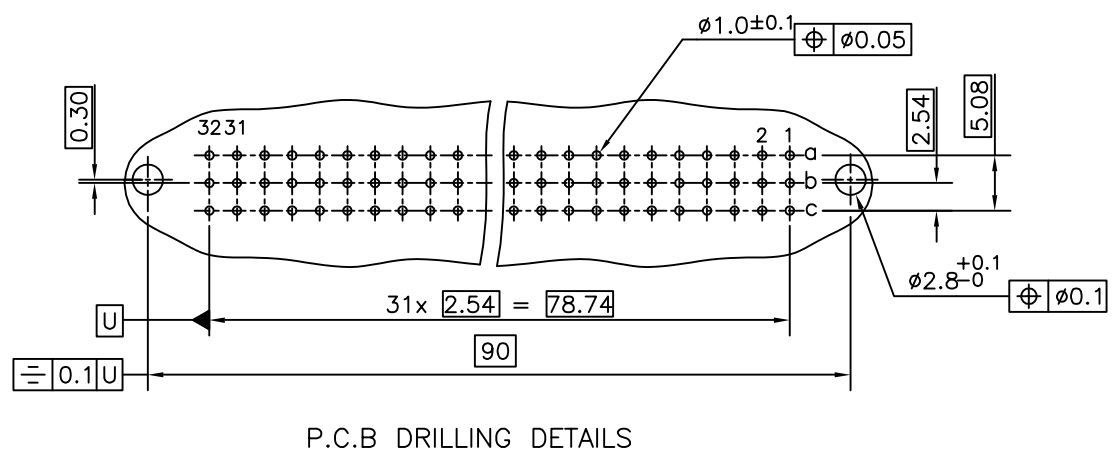
CURRENT RATING AT 20°C : 1.5 A  
CURRENT (I MAX) : 2 A  
TEMPERATURE RANGE : -55°C/+125°C  
CONTACT RESISTANCE : ≤ 20mΩ  
INSULATION RESISTANCE : ≥ 10<sup>6</sup> MΩ  
TEST VOLTAGE (rms) : 1000V

**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		linear	0°±1'	scale -
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

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