

**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 : GOLD / GXT™ OVER NICKEL

ACTIVE ZONE : GOLD / GXT™ OVER NICKEL

TERMINATION ZONE : TIN (PURE MATTE) OVER NICKEL

LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL

HARPOON PLATING : TIN (PURE MATTE) OVER NICKEL

LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL

**ELECTRICAL DATA**

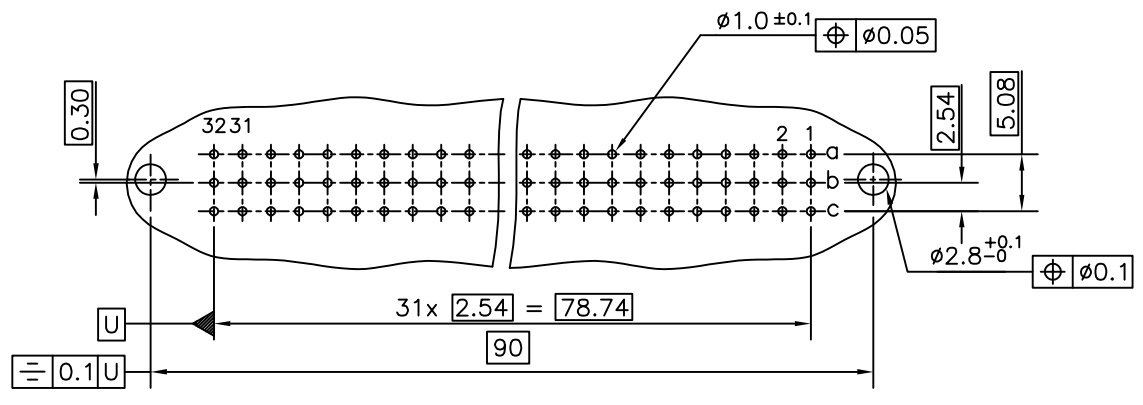
CURRENT RATING AT 20°C : 1.5 A  
 CURRENT (I MAX) : 2 A  
 TEMPERATURE RANGE : -55°C/+125°C  
 CONTACT RESISTANCE : ≤ 20mΩ  
 INSULATION RESISTANCE : ≥ 10<sup>6</sup> MΩ  
 TEST VOLTAGE (rms) : 1000V

**MECHANICAL DATA**

INSERTION FORCE PER CONTACT : ≤ 0.94N  
 EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	3	96	8	1	14	7	5	5	V1LF
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							
V1LF	-----		LEAD FREE VERSION							



P.C.B DRILLING DETAILS

NOTES:

- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.
- FOR GENERAL CHARACTERISTICS AND RoHS INFORMATION, REFER DRAWING C-8609-0000A.

mat'l. code	-		surface	ISO 1302	tolerance	ISO 406 ISO 1101	projection	product family	8609		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
B	104-0100	MINI	09/11/2004	angles	linear	.0±.1		DIN STANDARD RECEPTACLE			
C	105-0042	MINI	19/05/2005					STRAIGHT SPILL DIN 41612 STYLE-C			
D	105-0086	MINI	02/06/2005	0'±1'		scale -					
E	106-0063	MINI	01/06/2006	dr	MINI K VANDANATH	29/09/2004	Amphenol FCI		dwg no		
F	ELX-I-30157	MJA	11/05/2018	enr	RAKHEE GEORGE	29/09/2004			sheet 1 of 1 size		
				chr	M JACOB	11/05/2018			C-8609-2028 A3		
				appd	BIJU K PAUL	11/05/2018			type Product Customer Drawing		
sheet index	revision	F									
	sheet	1									