

**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**

**HOUSING MATERIAL** : THERMOPLASTIC POLYESTER UL 94 V-0, GREY  
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C WHEN USED WITH PROTECTIVE ADHESIVE OR PROTECTIVE METALLIC DEVICE FOR RIGHT ANGLE CONNECTORS AS IT IS USED 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

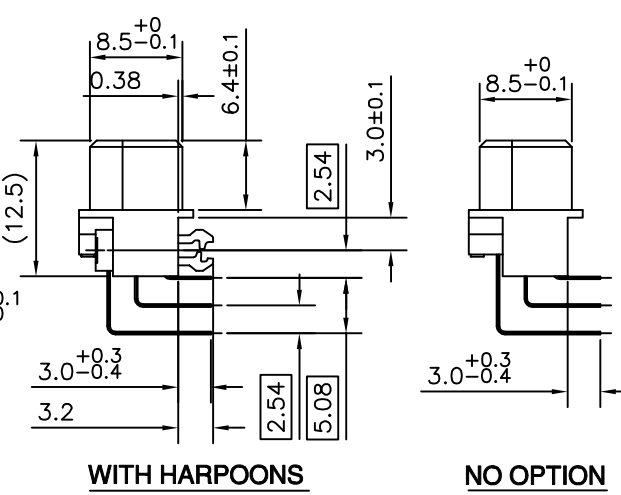
**ELECTRICAL DATA**

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>9</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	8	13	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										
REVERSE MOUNTING - STYLE R			8							
TERMINATION										
ANGLED SPILL			13							
OPTIONS										
WITH HARPOONS			H							
NO OPTION			7							
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			8							
V1	TIN LEAD VERSION									
V1LF	LEAD FREE VERSION									

mat'l. code	-		surface	ISO 1302	tolerance	ISO 406	ISO 1101	projection	product family		8609	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title		DIN REVERSE RECEPTACLE		
A	I05-0034	MINI	02/03/2005	angles	linear	.0±.1		mm		ANGLED SPILL DIN 41612 STYLE-R		
B	I06-0063	MINI	01/06/2006	0°±1'				scale				
			dr	MINI K VANDANATH	29/09/2004			dwg no		sheet 1 of 1		
			engr	RAKHEE GEORGE	29/09/2004			sheet		C-8609-2034		
			chr	RAKHEE GEORGE	01/06/2006			type		Product Customer Drawing		
			appd	RAKHEE GEORGE	01/06/2006			size		A3		
sheet index	revision	B										
	sheet	1										

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