



**TECHNICAL SPECIFICATION**

**HOUSING MATERIAL :** THERMOPLASTIC POLYESTER UL 94V-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 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	6	13	7	6	5	000E1
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/2						6				
TERMINATION										
ANGLED SPILL							13			
OPTIONS										
NO OPTION								7		
WITH HARPOONS									H	
PERFORMANCE CLASS										
DIN 41612 CLASS 3									4	
DIN 41612 CLASS 2									5	
DIN 41612 CLASS 1									6	
AS PER MIL C 55302/ JSS 50808									8	
PITCH PER ROW										
2.54									5	
000E1										TIN LEAD VERSION
E1LF										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		DIN REVERSE RECEPTACLE	
B		I05-0042		MINI		19/05/2005		ANGLED SPILL DIN 41612 STYLE-R/2	
C		I06-0063		MINI		01/06/2006			
				dr		MINI K VANDANATH 23/09/2004		dwg no	
				engr		RAKHEE GEORGE 23/09/2004		sheet 1 of 1	
				chr		RAKHEE GEORGE 01/06/2006		C-8609-2027	
				appd		RAKHEE GEORGE 01/06/2006		size	
								A3	
sheet index		revision		C				type	
		sheet		1				Product Customer Drawing	

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