



**TECHNICAL SPECIFICATION**

HOUSING MATERIAL	THERMOPLASTIC POLYESTER UL94V0, 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 ANGLE CONNECTORS	
AS IT IS USED IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C.	
CONTACT & HARPOON MATERIAL	COPPER ALLOY
CONTACT ACTIVE ZONE PLATING	Au OVER Ni (or) Au-Pd-Ni OVER Ni
CONTACT TERMINATION ZONE PLATING	Sn (PURE MATTI) OVER Ni
HARPOON PLATING	Sn (PURE MATTI) OVER Ni

**ELECTRICAL DATA**

CURRENT RATING AT 20°C	15 A
CURRENT (I MAX)	2 A
TEMPERATURE RANGE	-55°C TO +125°C
CONTACT RESISTANCE	≤ 20 mΩ
INSULATION RESISTANCE	≥ 10 <sup>10</sup> MΩ
TEST VOLTAGE (rms)	1000 V

**MECHANICAL DATA**

INSERTION FORCE PER CONTACT	≤ 0.94 N
EXTRACTION FORCE PER CONTACT	≥ 0.15 N
REFERENCE SPECIFICATION	DIN 41612 (or) IEC 603-2

SERIES	8609	4	16	7	3	13	7	8	8	ELF
ROWS FITTED WITH CONTACTS										
Rows a - c	4 16									
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW MALE INSULATOR	7									
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C/2	3									
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	5.08mm									
LEAD FREE VERSION	ELF									

**NOTES:**

- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 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.
- 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		mm		8609	
ltr		ecn		no		dr		date	
A		109-0003		JS		2009-01-03		tolerances unless otherwise specified	
								0±1	
								mm	
								scale -	
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								KESAVAN R 2009-01-03	
sheet		revision		A					
index		sheet		1					
								title	
								DIN STANDARD HEADER	
								ANGLED SPILL DIN 41612 STYLE-C/2	
								dwg no	
								C-8609-2162	
								sheet 1 of 1	
								size	
								A3	
								type	
								Product Customer Drawing	



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