



**TECHNICAL SPECIFICATION**

HOUSING MATERIAL : HIGH TEMPERATURE THERMOPLASTIC POLYESTER UL94V-0, NATURAL  
 HOUSING CAN WITHSTAND EXPOSURE 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRARED OR VAPOUR REFLOW SOLDER APPLICATION.

CONTACT / HARPOON MATERIAL : COPPER ALLOY  
 CONTACT PLATING : CONTACT ZONE - Au / GXT™ OVER Ni  
 TERMINATION ZONE - Sn (MATT) OVER Ni  
 HARPOON PLATING : Sn (MATT) OVER Ni

**ELECTRICAL DATA**

CURRENT RATING AT 20°C : 1.5 A  
 CURRENT (I MAX) : 2 A  
 TEMPERATURE RANGE : -55°C TO +125°C  
 CONTACT RESISTANCE : ≤20 mΩ  
 INSULATION RESISTANCE : ≥10<sup>9</sup>Ω  
 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 / IEC 603-2

SERIES	8609	3	48	7	3	13	B	5	5	F1LF
ROWS FITTED WITH CONTACTS										
Rows a b c		3	48							
Rows a - c		4	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW MALE INSULATOR									7	
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C/2										1
TERMINATION										
ANGLED SPILL SHORT (L = 2.6 <sup>+0.3</sup> )										13
ANGLED SPILL LONG (L = 4.0 <sup>+0.3</sup> )										23
OPTIONS										
HIGH TEMPERATURE HOUSING (NATURAL)										B
HIGH TEMPERATURE HOUSING (NATURAL) WITH HARPOONS										T
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
SPECIAL CODE : F1LF										HIGH TEMPERATURE INSULATOR, LEADFREE VERSION

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

mat'l. code		surface		tolerance		projection		product family	
SEE TECH. SPEC.		ISO 1302 ✓		ISO 406 ISO 1101		mm		8609	
ltr		ecn no		dr		date		title	
A		-		MJA		2016-11-29		DIN STANDARD HEADER	
B		ELX-I-28738		MJA		2017-12-09		ANGLED SPILL DIN 41612 STYLE-C/2	
								(HIGH TEMPERATURE VERSION)	
								dwg no	
								sheet 1 of 1	
								size	
								A3	
								type	
								Product Customer Drawing	
sheet index		revision sheet		B		1			

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