



TECHNICAL SPECIFICATION

INSULATOR MATERIAL: THERMOPLASTIC POLYESTER UL94V-0, GREY
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-285°C FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 230-250°.

CONTACT / HARPOON MATERIAL: COPPER ALLOY

CONTACT PLATING: HARPOON

ACTIVE ZONE: GOLD OVER NICKEL

TERMINATION ZONE: TIN LEAD OVER NICKEL

TIN LEAD VERSION: TIN LEAD OVER NICKEL

LEAD FREE VERSION: TIN (PURE MATTE) OVER NICKEL

HARPOON PLATING: TIN LEAD 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 : -50°C/+125°C
 CONTACT RESISTANCE : ≤ 20mΩ
 INSULATION RESISTANCE : ≥ 10¹⁰Ω
 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	V1
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										
METHOD OF MOUNTING										
STANDARD MOUNTING STYLE- C										
TERMINATION										
STRAIGHT SPILL (LONG)										
STRAIGHT SPILL (SHORT)										
OPTIONS										
NO OPTION										
WITH HARPOONS										
PERFORMANCE CLASS										
4 - DIN 41612 CLASS 3										
5 - DIN 41612 CLASS 2										
6 - DIN 41612 CLASS 1										
8 - AS PER MIL C 55302/JSS 50808										
PITCH PER ROW										
2.54										
V1										TIN LEAD VERSION
V1LF										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 1.8 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
lfr	ecn no	dr	date	tolerances unless otherwise specified
B	104-0100	MINI	09/11/2004	angles
C	105-0042	MINI	19/05/2005	linear
D	105-0086	MINI	02/06/2005	σ±1°
E	106-0063	MINI	01/06/2006	dr
				enrg
				chr
				appd
sheet	revision	E		
index	sheet	1		