



**TECHNICAL SPECIFICATION**

**INSULATOR MATERIAL:** THERMOPLASTIC POLYESTER UL94V-0, GREY  
HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-280°C FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 230-250°.

**CONTACT / HARPOON MATERIAL:** COPPER ALLOY

**CONTACT PLATING:**

- ACTIVE ZONE: GOLD OVER NICKEL
- TERMINATION ZONE: TIN LEAD OVER NICKEL
- LEAD FREE VERSION: TIN (PURE MATTE) OVER NICKEL

**HARPOON PLATING:**

- TIN LEAD VERSION: 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/+120°C
- CONTACT RESISTANCE:  $\leq 20\text{m}\Omega$
- INSULATION RESISTANCE:  $\geq 10^9\text{M}\Omega$
- TEST VOLTAGE (rms): 1000V

**MECHANICAL DATA**

- INSERTION FORCE PER CONTACT:  $\leq 0.94\text{N}$
- EXTRACTION FORCE PER CONTACT:  $\geq 0.15\text{N}$

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										
V1LF										

**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 1.8 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		8609
lfr	ecn no	dr	date	tolerances unless otherwise specified
B	I04-0100	MINI	09/11/2004	angles
C	I05-0042	MINI	19/05/2005	linear
D	I05-0086	MINI	02/06/2005	$\sigma \pm 1^\circ$
E	I06-0063	MINI	01/06/2006	dr
				enrg RAKHEE GEORGE 29/09/2004
				chr RAKHEE GEORGE 01/06/2006
				appd RAKHEE GEORGE 01/06/2006
sheet	revision	E		scale
index	sheet	1		
				product family
				8609
				title
				DIN STANDARD RECEPTACLE
				STRAIGHT SPILL DIN 41612 STYLE-C
				dwg no
				sheet 1 of 1
				size
				A3
				type
				Product Customer Drawing