



**TECHNICAL SPECIFICATION**

**HOUSING MATERIAL** : THERMOPLASTIC POLYESTER UL 94 V-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 235-250°C

**CONTACT MATERIAL** : COPPER ALLOY

**CONTACT PLATING** : GOLD OVER NICKEL

**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 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>10</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

24	2.5
14	4.0
TERM. STYLE	L +0.7 -0

SERIES	8609	2	64	6	1	14	7	5	000E1
ROWS FITTED WITH CONTACTS									
Rows a b									
Rows c -									
NUMBER OF CONTACTS									
TYPE OF INSULATOR									
2 ROW FEMALE INSULATOR									6
METHOD OF MOUNTING									
STANDARD MOUNTING - STYLE B									1
TERMINATION									
LONG STRAIGHT SPILL (L - SEE TABLE)									14
SHORT STRAIGHT SPILL (L - SEE TABLE)									24
OPTIONS									
NO OPTION									7
PERFORMANCE CLASS									
4 - DIN 41612 CLASS 3									4
5 - DIN 41612 CLASS 2									5
6 - DIN 41612 CLASS 1									6
8 - AS PER MIL C 55302/ISS 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	104-0100	MINI	2004-11-09	DIN STANDARD RECEPTACLE
B	105-0042	MINI	2005-05-18	STRAIGHT SPILL DIN 41612 STYLE-B
C	106-0062	MINI	2006-06-01	
D	106-0187	MINI	2006-10-10	
		dr	MINI K VANDANATH 2004-09-22	dwg no
		enrg	RAKHEE GEORGE 2004-09-22	sheet 1 of 1
		chr	RAKHEE GEORGE 2006-10-10	size
		opp	RAKHEE GEORGE 2006-10-10	A3
sheet	revision	D		type
index	sheet	1		Product Customer Drawing