



PCB DRILLING DETAILS

- 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.

TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL94V0, GREY
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C
 FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C
 CONTACT & HARPOON MATERIAL : COPPER ALLOY
 CONTACT PLATING :
 ACTIVE ZONE : Au OVER Ni
 TERMINATION ZONE : Sn (PURE MATT) OVER Ni
 HARPOON PLATING : Sn (PURE MATT) 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 : ≥ 10⁶ 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 / IEC 603-2
 SERIES : 8609 3 48 8 3 14 7 5 5 V1LF
 ROWS FITTED WITH CONTACTS :
 ROW a b c : 3 48
 ROW a - c : 4 32
 NO. OF CONTACTS :
 TYPE OF INSULATOR :
 3 ROW FEMALE INSULATOR : 8
 METHOD OF MOUNTING :
 STANDARD MOUNTING - STYLE C/2 : 3
 TERMINATION :
 STRAIGHT SPILL LONG, L = 4.0±0.7 : 14
 STRAIGHT SPILL SHORT, L = 2.5±0.7 : 24
 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 : 2.54 mm : 5
 LEAD FREE VERSION : V1LF

mat'l. code	SEE TECH. SPEC.	surface	ISO 1302	tolerance	ISO 406	ISO 1101	projection	product family	8609
ltr	ecn no	dr	date	tolerances unless otherwise specified	angles	linear	mm	title	DIN STANDARD RECEPTACLE
A	108-0171	KR	2008-12-19	0°±1°	0.1	Scale 2:1		dwg no	C-8609-2140
								sheet 1 of 1	A3
								type	Product Customer Drawing

sheet index	revision	sheet	1	4	5	6
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