



PCB DRILLING DETAILS

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 / GXT™ 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 : ≥ 10<sup>6</sup> 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/-0										14
STRAIGHT SPILL SHORT, L = 2.5+0.7/-0										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

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 SEE TECH. SPEC.				surface ISO 1302 ✓ ISO 406 ISO 1101		tolerance tolerances unless otherwise specified		projection mm		product family 8609	
ltr				angles		linear		scale 2:1		title DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE C/2	
A 108-0171 KR 2008-12-19				0±1						dwg no C-8609-2140	
B ELX-I-010167 MJA 2012-02-02				0°±1°						sheet 1 of 1 size A3	
C ELX-I-30157 MJA 2018-05-11										type Product Customer Drawing	
sheet index		revision sheet		C 1		dr KESAVAN R 2008-04-15		enr KESAVAN R 2008-04-15		chr M JACOB 2018-05-11	
						appd BIJU K PAUL 2018-05-11		Amphenol FCI			