



P.C.B 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 : POLYESTER THERMOPLASTIC UL94V-0, 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 : GOLD OVER NICKEL  
TERMINATION ZONE  
TIN LEAD VERSION : TIN LEAD OVER NICKEL  
LEAD FREE VERSION : TIN (PURE MATTE) OVER NI  
HARPOON PLATING  
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>6</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

SERIES	8609	3	48	8	1	14	7	5	8	V1
ROWS FITTED WITH CONTACTS										
Rows a-b-c		3	48							
Rows a-c		4	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR			8							
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C						1				
TERMINATION										
STRAIGHT SPILL (LONG)						14				
STRAIGHT SPILL (SHORT)						24				
OPTIONS										
NO OPTION						7				
WITH HARPOONS						H				
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/JSS 50808						8				
PITCH PER ROW										
5.08						8				
SPECIAL CODE										
V1										TIN LEAD VERSION
V1LF										LEAD FREE VERSION

mat'l. code				surface		tolerance		projection		product family				
-				ISO 1302 ✓		ISO 406 ISO 1101				8609				
ltr	ecn no	dr	date	tolerances unless		otherwise specified				title				
A	I04-0100	MINI	09/11/2004	angles	linear	.0±.1				DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE-C				
B	I05-0042	MINI	19/05/2005											
C	I06-0063	MINI	01/06/2006	0°±1°				scale -						
				dr	MINI K VANDANATH	29/09/2004				dwg no		sheet 1 of 1	size	
				engr	RAKHEE GEORGE	29/09/2004				C-8609-2033		A3		
				chr	RAKHEE GEORGE	01/06/2006								
				appd	RAKHEE GEORGE	01/06/2006								
sheet index		revision	C							type		Product	Customer	Drawing
		sheet	1											