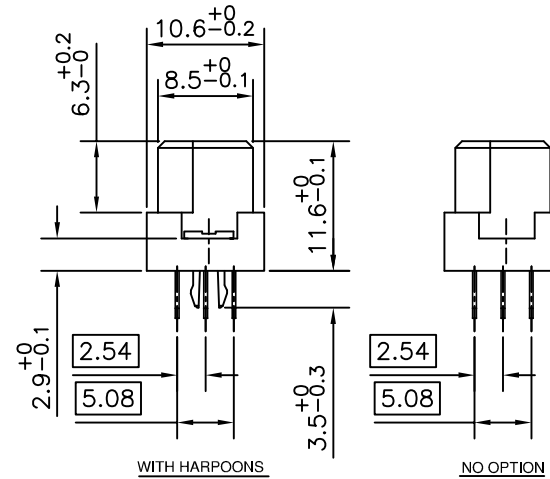


P.C.B DRILLING DETAILS

- 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.



TECHNICAL SPECIFICATION

INSULATOR 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 : Au / GXT™ OVER NICKEL  
 TERMINATION ZONE :  
 LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL  
 HARPOON PLATING :  
 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 : -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	V1LF
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										
V1LF	LEAD FREE VERSION									

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101		mm		8609	
ltr		ecn no		dr		date		title	
A		I04-0100		MINI		09/11/2004		DIN STANDARD RECEPTACLE	
B		I05-0042		MINI		19/05/2005		STRAIGHT SPILL DIN 41612 STYLE-C	
C		I06-0063		MINI		01/06/2006			
D		ELX-I-30201		AMAL		16/05/2018		dwg no	
				dr		MINI K VANDANATH 29/09/2004		sheet 1 of 1 size	
				engr		RAKHEE GEORGE 29/09/2004		C-8609-2033 A3	
				chr		M JACOB 16/05/2018		type	
				appd		BIJU K PAUL 16/05/2018		Product Customer Drawing	
sheet index		revision sheet		D		1			