



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 : HIGH TEMPERATURE THERMOPLASTIC POLYESTER (LCP) UL94V-0, NATURAL  
HOUSING CAN WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRARED OR VAPOUR REFLOW SOLDER APPLICATION

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  
RAILWAY CLASSIFICATION : I2/F1 acc to NFF 16-101/102  
R22/R23 to HL3 acc to EN45545-2:2013

## 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>8</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	96	8	1	14	B	5	5	F1LF
ROWS FITTED WITH CONTACTS										
Rows a-b-c			3	96						
Rows a-c			4	64						
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										
HIGH TEMPERATURE HOUSING (NATURAL)							B			
HIGH TEMPERATURE HOUSING (NATURAL) WITH HARPOONS							T			
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										
2.54								5		
F1LF										HIGH TEMPERATURE INSULATOR, 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	-	MJA	2017/06/05	DIN STANDARD RECEPTACLE
B	ELX-I-30157	MJA	2018/05/11	STRAIGHT SPILL DIN 41612 STYLE-C
C	ELX-I-40715	MJA	2021-04-20	(HIGH TEMPERATURE VERSION)
				dwg no
				sheet 1 of 1
				size
				C-8609-2370
				A3
				type
				Product Customer Drawing
sheet	revision	C		
index	sheet	1		