

TECHNICAL SPECIFICATION

HOUSING MATERIAL : HIGH TEMPERATURE THERMOPLASTIC POLYESTER 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 ACTIVE ZONE PLATING : Au / GXT™ OVER NICKEL  
 CONTACT TERMINATION ZONE/HARPOON PLATING :  
 LEAD FREE VERSION : TIN (PURE MATTE) OVER Ni

ELECTRICAL DATA

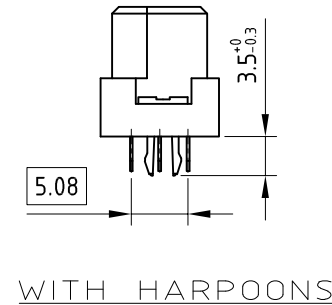
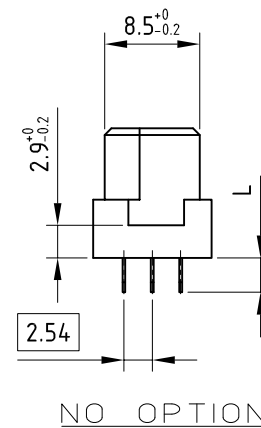
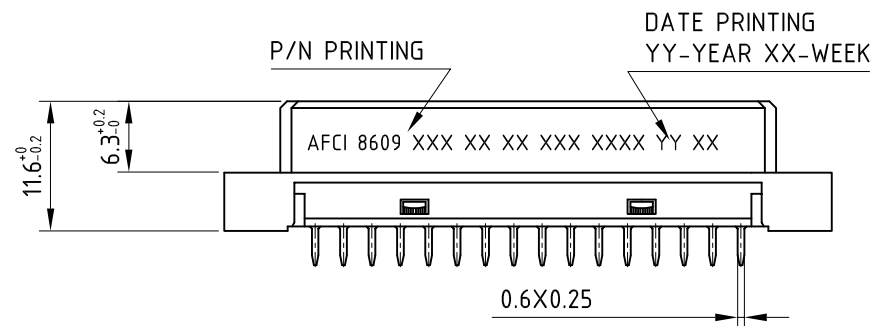
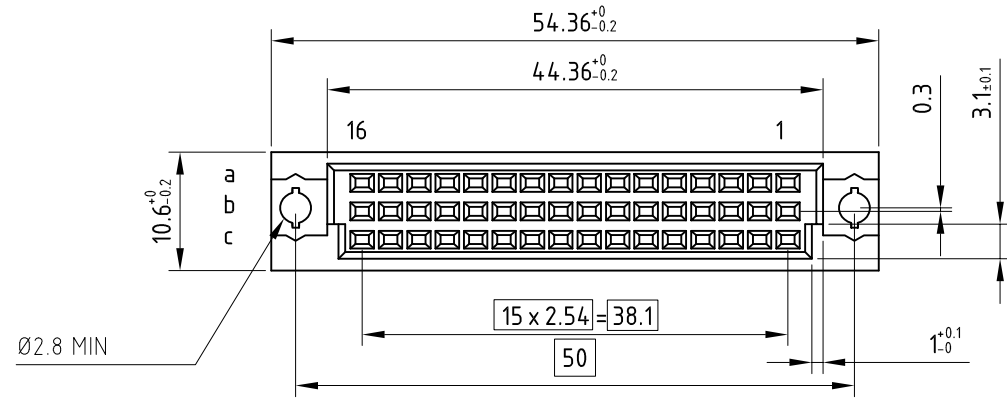
CURRENT RATING AT 20°C : 1.5 A  
 CURRENT (I MAX) : 2 A  
 TEMPERATURE RANGE : -55°C/+125°C  
 CONTACT RESISTANCE : ≤ 20mΩ  
 INSULATION RESISTANCE : ≥ 10<sup>6</sup> MΩ  
 TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

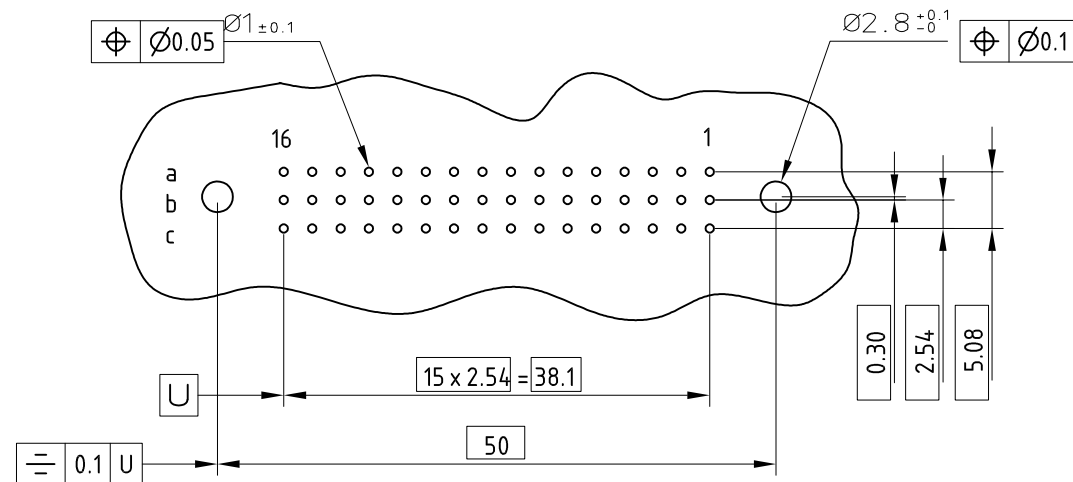
INSERTION FORCE PER CONTACT : ≤ 0.94N  
 EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	3	48	8	3	14	B	5	5	F1LF
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/2	3									
TERMINATION										
STRAIGHT SPILL LONG, L = 4.0 (+0.7, -0)	14									
STRAIGHT SPILL SHORT, L = 2.5 (+0.7, -0)	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									



PCB LAYOUT



- NOTES:
- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
  - LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.
  - FOR GENERAL CHARACTERISTICS AND RoHS INFORMATION, REFER DRAWING C-8609-0000A.

mat'l. code		surface		tolerance		projection		product family	
SEE TECH SPEC		ISO 1302 ✓		ISO 406 ISO 1101				8609	
ltr		ecn no		date		tolerances unless otherwise specified		title	
A		-		MJA 2016-11-29		0.X ±0.1		DIN STANDARD RECEPTACLE	
B		ELX-I-30157		MJA 2018-05-11		linear		DIN 41612 STRAIGHT SPILL STYLE C/2	
						0°±1°		(HIGH TEMPERATURE VERSION)	
						scale 3:2		dwg no	
								sheet 1 of 1	
								size	
								C-8609-2365	
								A3	
								type Product Customer Drawing	
sheet index		revision sheet		B 1					

# Mouser Electronics

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