



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

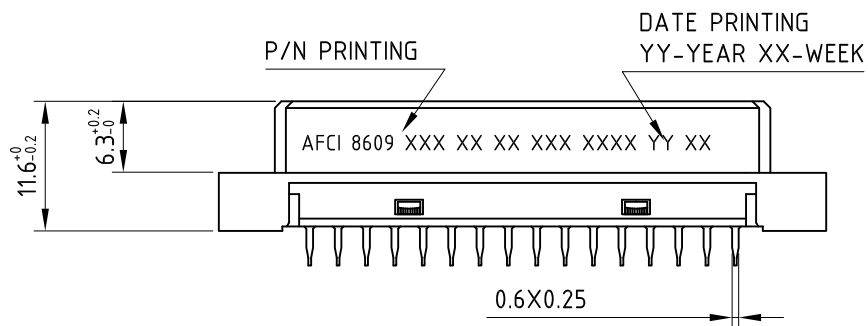
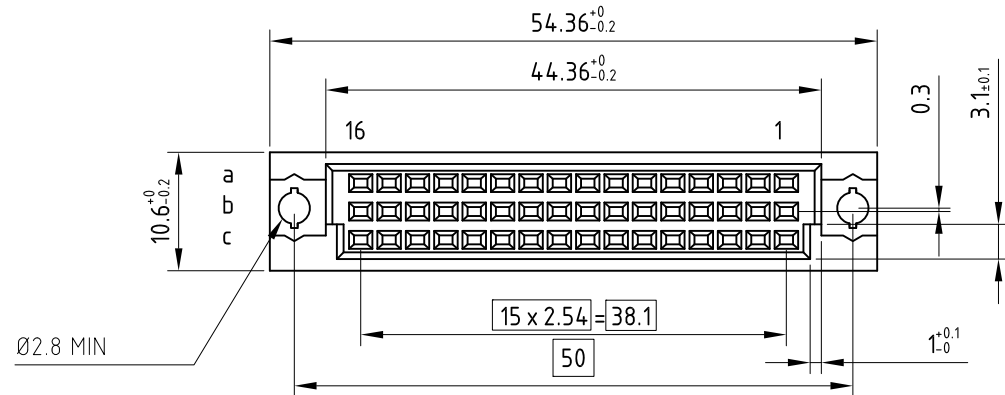
CURRENT RATING AT 20°C : 1.5 A
CURRENT (I MAX) : 2 A
TEMPERATURE RANGE : -55°C/+125°C
CONTACT RESISTANCE : ≤ 20mΩ
INSULATION RESISTANCE : ≥ 10⁶ MΩ
TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

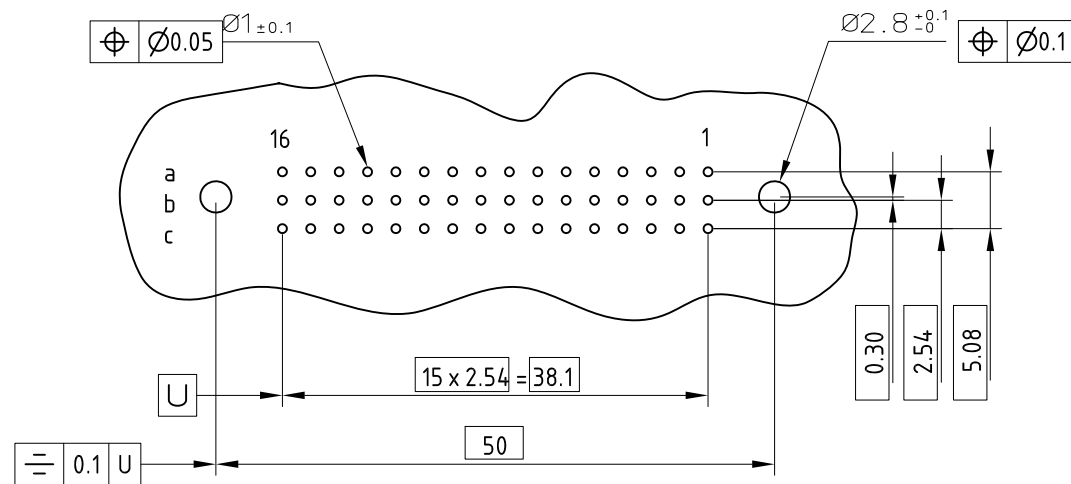
INSERTION FORCE PER CONTACT : ≤ 0.94N
EXTRACTION FORCE PER CONTACT : ≥ 0.15N

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	
-		-		-		linear		DIN 41612 STRAIGHT SPILL STYLE C/2	
-		-		-		0°±1°		(HIGH TEMPERATURE VERSION)	
-		-		-		scale 3:2		dwg no	
-		-		-		Amphenol Fci		sheet 1 of 1 size	
-		-		-		dr MJACOB 2016-11-29		C-8609-2365 A3	
-		-		-		enr MJACOB 2016-11-29		type Product Customer Drawing	
-		-		-		chr STALIN ALOSIUS 2016-11-29			
-		-		-		appd BIJU K PAUL 2016-11-29			
sheet index		revision sheet		A 1					