

TECHNICAL SPECIFICATION

INSULATOR 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 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 : ≥ 10⁶ MΩ

TEST VOLTAGE (rms) : 1000V

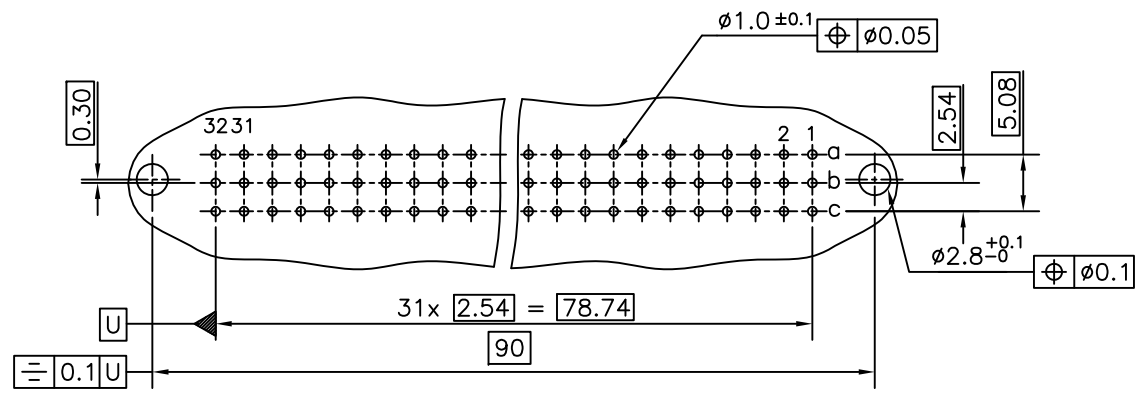
MECHANICAL DATA

INSERTION FORCE PER CONTACT : ≤ 0.94N

EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	3	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									



P.C.B DRILLING DETAILS

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	ISO 1302	tolerance	ISO 406 ISO 1101	projection	product family			
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm	8609			
A	-	MJA	2017/06/05	angles	linear	.0±.1			title			
				0°±1°				scale -	DIN STANDARD RECEPTACLE			
									STRAIGHT SPILL DIN 41612 STYLE-C			
				dr	M JACOB	2017/06/05		Amphenol FCi	dwg no		sheet 1 of 1	size
				enr	M JACOB	2017/06/05			C-8609-2370		A3	
				chr	STALIN ALOSIUS	2017/06/05			type			Product Customer Drawing
				appd	BIJU K PAUL	2017/06/05						
sheet index	revision	A										
	sheet	1										

Amphenol
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