



**TECHNICAL SPECIFICATION**

**INSULATOR MATERIAL** : THERMOPLASTIC POLYESTER 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°.

**CONTACT / HARPOON MATERIAL** : COPPER ALLOY

**CONTACT PLATING**

**ACTIVE ZONE** : GOLD / 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

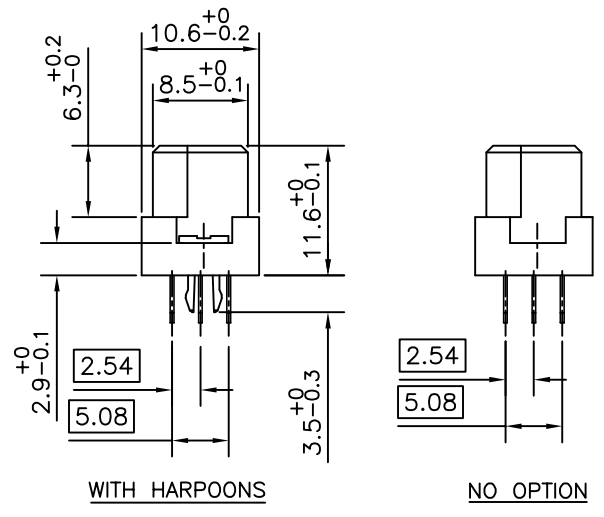
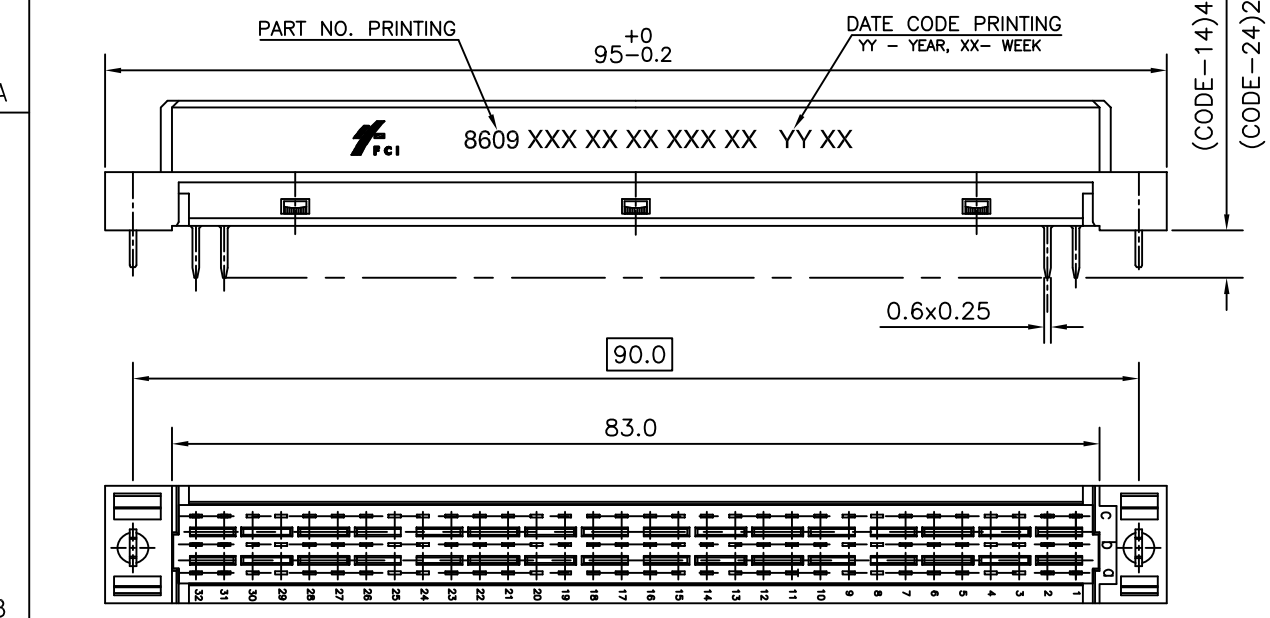
**INSULATION RESISTANCE** : ≥ 10<sup>6</sup> MΩ

**TEST VOLTAGE (rms)** : 1000V

**MECHANICAL DATA**

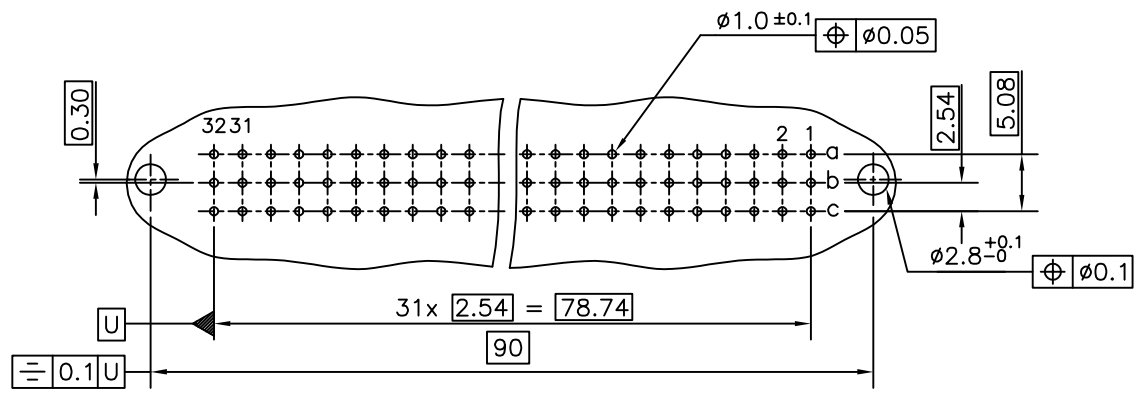
**INSERTION FORCE PER CONTACT** : ≤ 0.94N

**EXTRACTION FORCE PER CONTACT** : ≥ 0.15N



REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	3	96	8	1	14	7	5	5	V1LF
ROWS FITTED WITH CONTACTS										
Rows a-b	2	64								
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										
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										
2.54	5									
V1LF	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	8609	
ltr	ecn no	dr	date	tolerances unless otherwise specified			mm	title		
B	104-0100	MINI	09/11/2004	angles	linear	.0±.1		DIN STANDARD RECEPTACLE		
C	105-0042	MINI	19/05/2005				scale -	STRAIGHT SPILL DIN 41612 STYLE-C		
D	105-0086	MINI	02/06/2005	0'±1'						
E	106-0063	MINI	01/06/2006	dr	MINI K VANDANATH	29/09/2004	Amphenol FCi	dwg no		sheet 1 of 1
F	ELX-I-30157	MJA	11/05/2018	enrg	RAKHEE GEORGE	29/09/2004		C-8609-2028		A3
				chr	M JACOB	11/05/2018		type		Product Customer Drawing
sheet index	revision	F		appd	BIJU K PAUL	11/05/2018				
	sheet	1								