

TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL 94 V-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°C

CONTACT MATERIAL : COPPER ALLOY

CONTACT PLATING : GOLD / GXT™ OVER NICKEL

ACTIVE ZONE : GOLD / GXT™ OVER NICKEL

TERMINATION ZONE : TIN (PURE MATTE) OVER Ni

LEAD FREE VERSION : TIN (PURE MATTE) OVER Ni

ELECTRICAL DATA

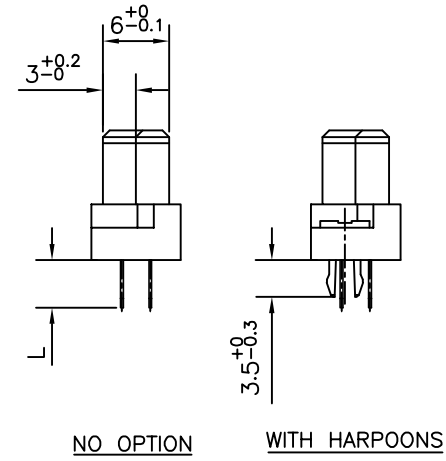
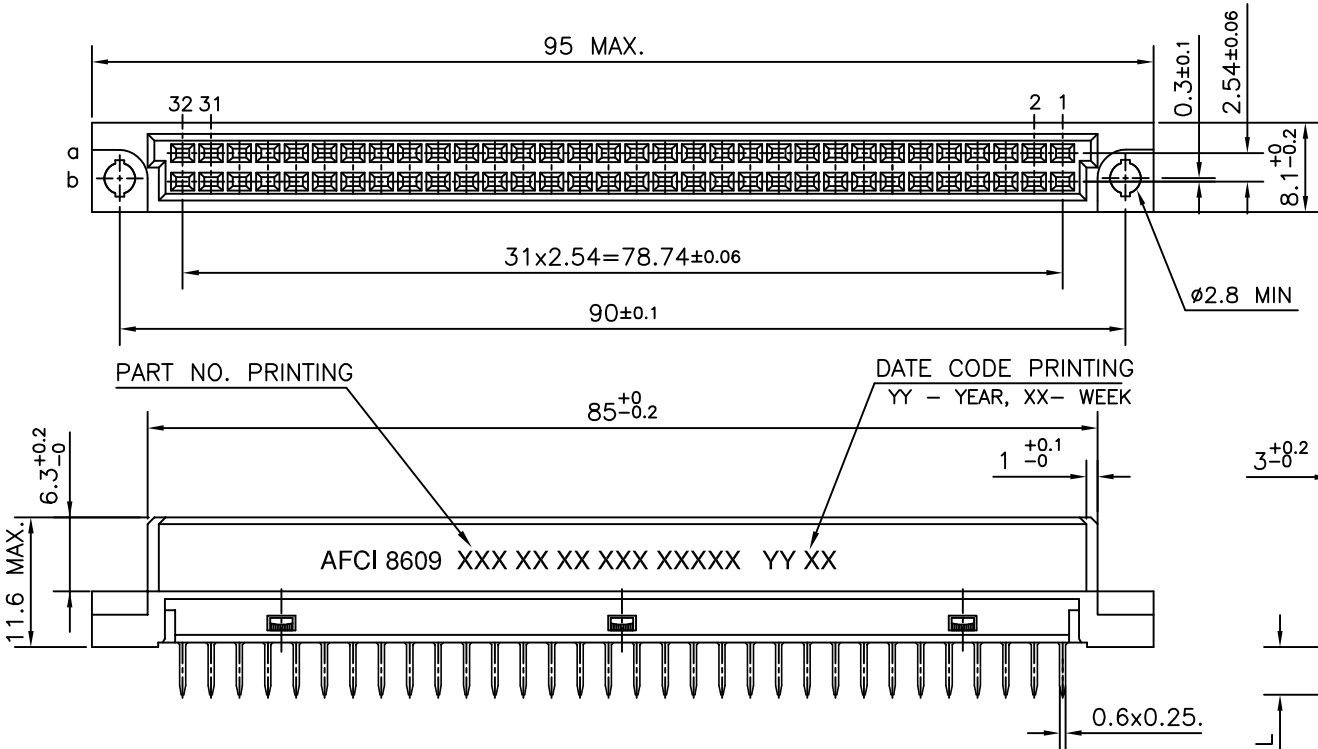
CURRENT RATING AT 20°C : 1.5 A
 CURRENT (I MAX) : 2 A
 TEMPERATURE RANGE : -55°C/ +125°C
 CONTACT RESISTANCE : ≤ 20mΩ
 INSULATION RESISTANCE : ≥ 10⁶ MΩ
 TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

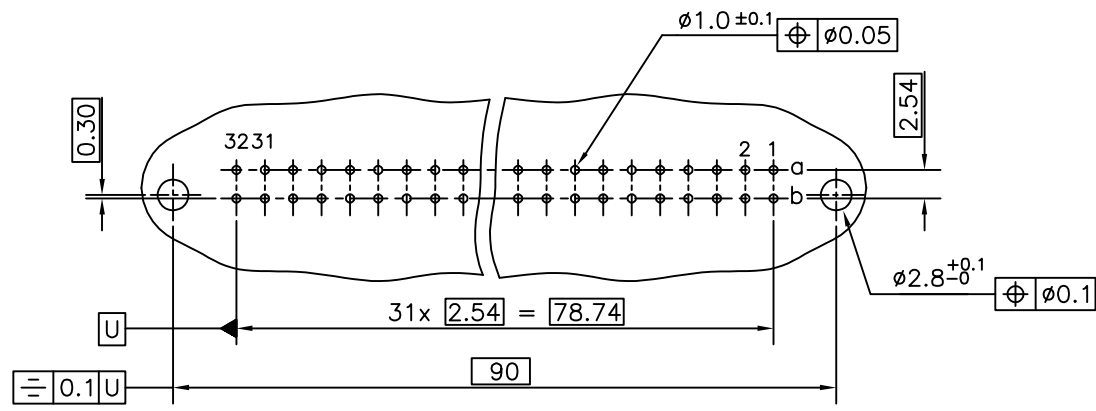
INSERTION FORCE PER CONTACT : ≤ 0.94N
 EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

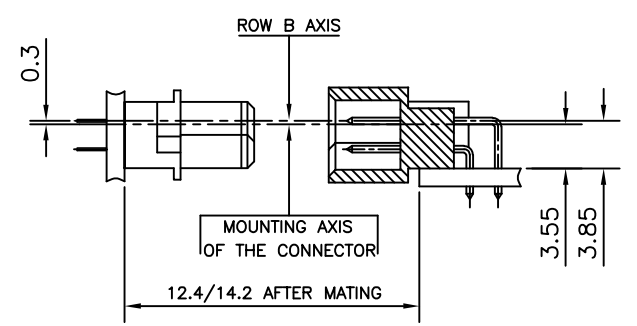
SERIES	8609	2	64	6	1	14	7	5	5	V1LF
ROWS FITTED WITH CONTACTS										
Rows a b -		2	64							
Rows a -		1	32							
Rows - b -		5	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
2 ROW FEMALE INSULATOR				6						
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE B					1					
TERMINATION										
LONG STRAIGHT SPILL (L - SEE TABLE)								14		
SHORT STRAIGHT SPILL (L - SEE TABLE)								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



24	2.5
14	4.0
TERM. STYLE	L +0.7 -0



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.

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101		mm		8609	
ltr		ecn no		dr		date		title	
A		-		MJA		2012-10-10		DIN STANDARD RECEPTACLE	
B		ELX-I-30159		MJA		2018-05-12		STRAIGHT SPILL DIN 41612 STYLE-B	
C		ELX-I-35876		MJA		2020-01-11		scale -	
sheet index		revision		C		sheet		1	
1		1		1		1		1	
dwg no		sheet 1 of 1		size		type		Product Customer Drawing	
C-8609-2290		A3							

Amphenol FCI

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