

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 : ≥ 10<sup>8</sup> MΩ

TEST VOLTAGE (rms) : 1000V

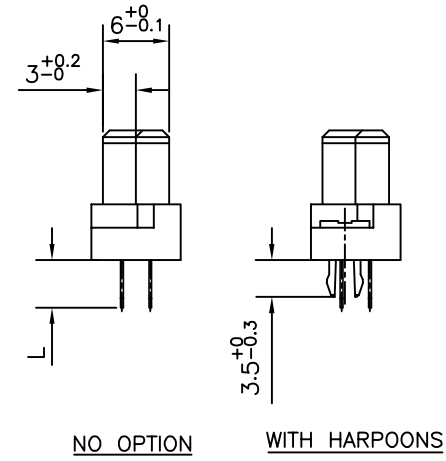
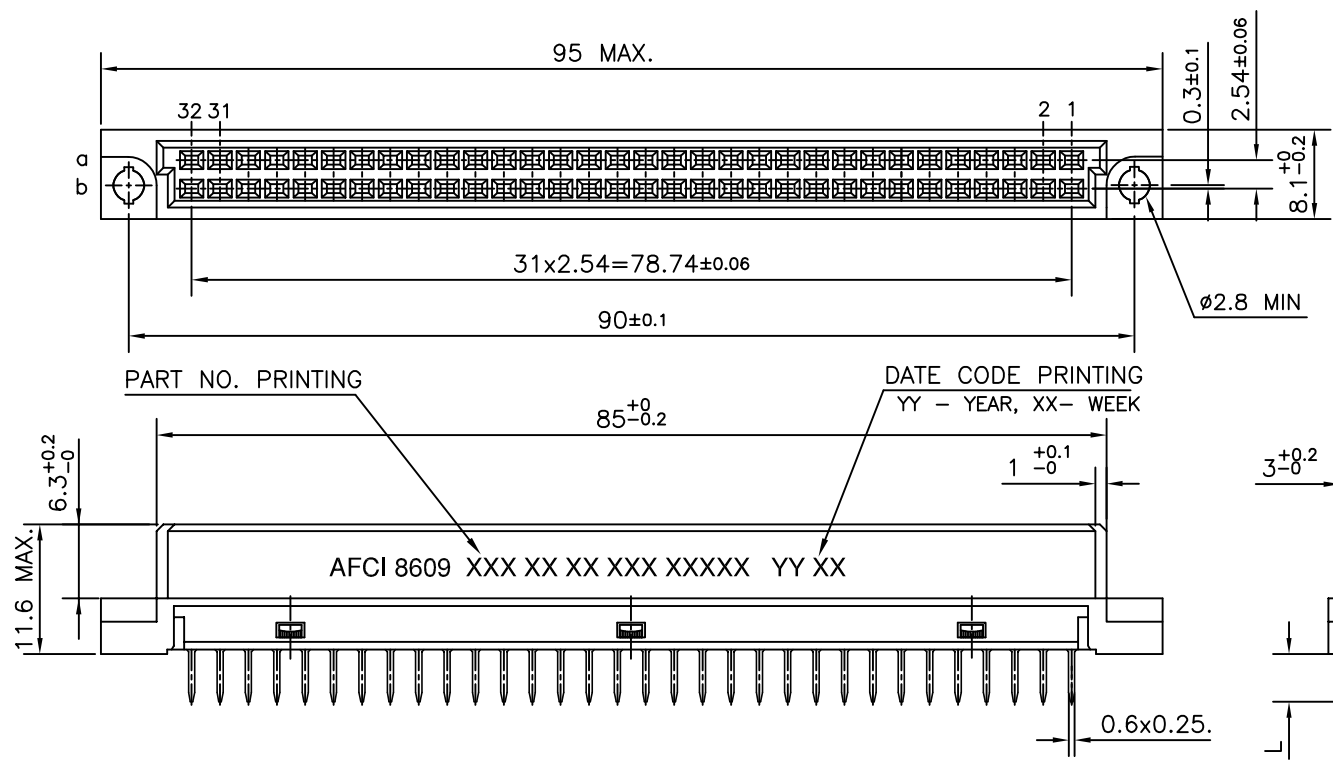
**MECHANICAL DATA**

INSERTION FORCE PER CONTACT : ≤ 0.94N

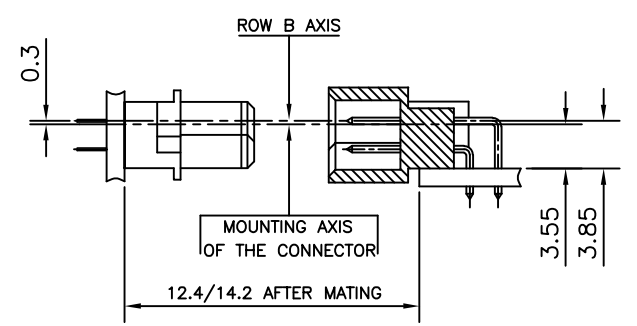
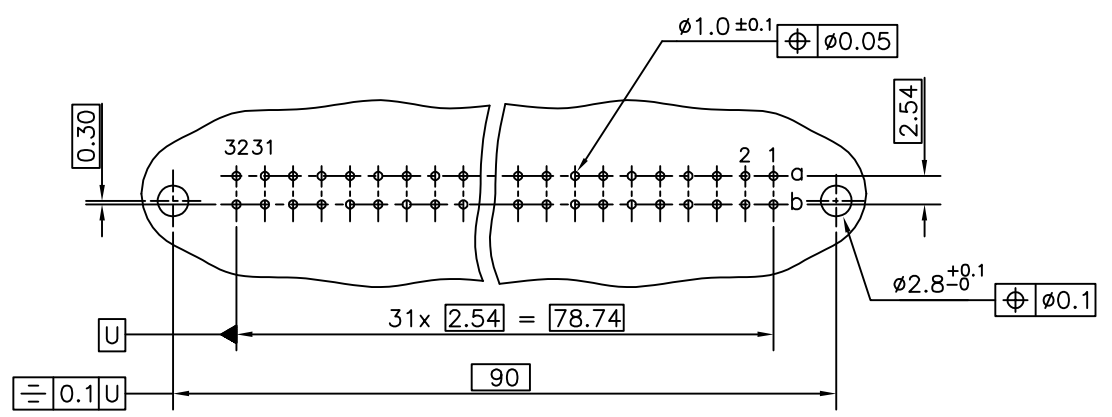
EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	2	64	6	1	14	7	5	5	V1LF
ROWS FITTED WITH CONTACTS										
Rows a b -	2		64							
Rows a -	1		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



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
-	ISO 1302 ✓	ISO 406 ISO 1101		8609
ltr	ecn no	dr	date	title
A	-	MJA	2012-10-10	DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE-B
B	ELX-I-30159	MJA	2018-05-12	
angles linear				scale
0°±1'				mm
dr	M JACOB	2012-05-22	Amphenol FCi	dwg no
enr	M JACOB	2012-05-22		sheet 1 of 1
chr	M JACOB	2018-05-12		size
appd	BIJU K PAUL	2018-05-12		C-8609-2290
sheet index	revision	B		type
	sheet	1		Product Customer Drawing

Amphenol FCI

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