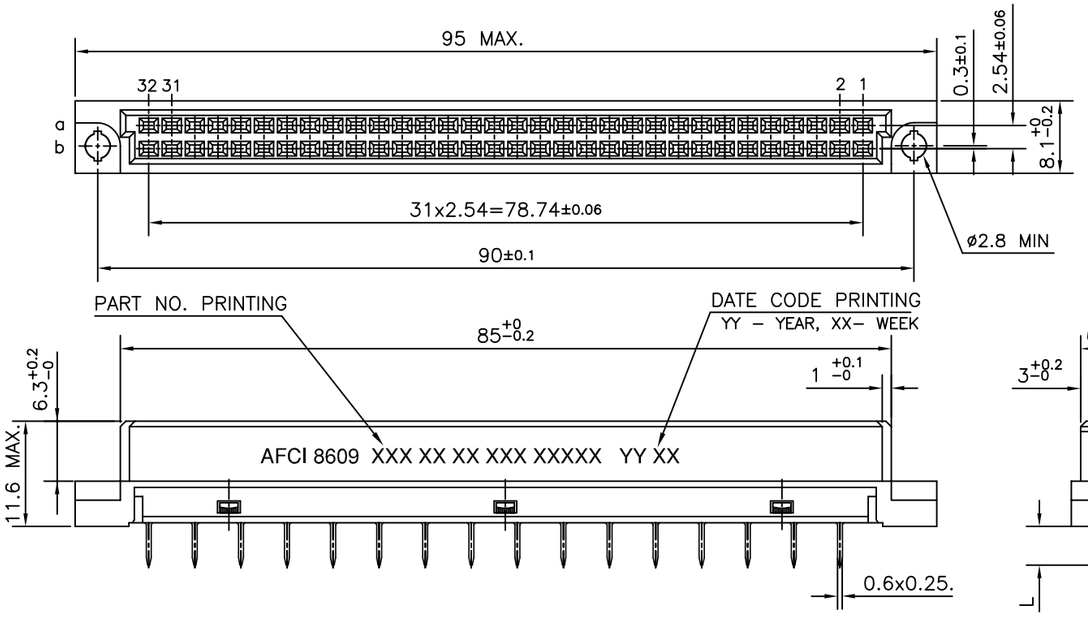
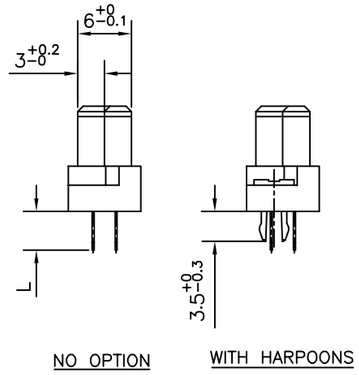
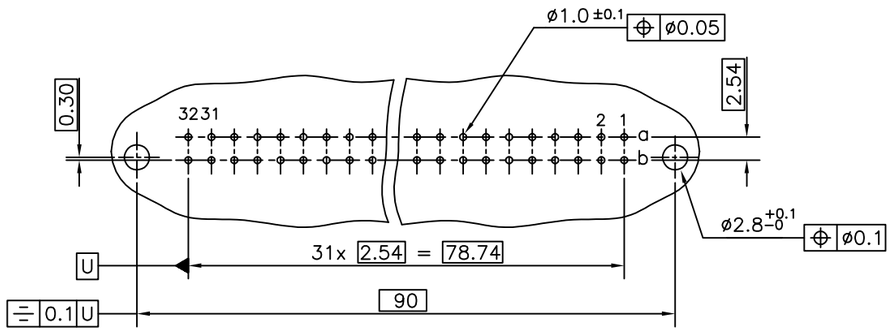


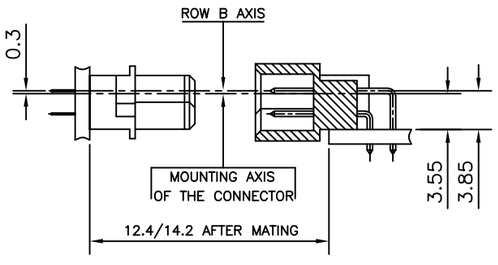


NO OPTION WITH HARPOONS

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.

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 / HARPOON MATERIAL	:	COPPER ALLOY
CONTACT PLATING		
ACTIVE ZONE	:	GOLD / GXT™ OVER NICKEL
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	:	≥ 10^6 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	32	6	1	14	7	5	8	V1LF

ROWS FITTED WITH CONTACTS
Rows a b – —·—·— 2 32
Rows a – – —·—·— 1 16

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
5.08 —·—·— 8

V1LF —·—·— LEAD FREE VERSION

mat'l. code				surface		tolerance		projection	product family
–				ISO 1302		ISO 406 ISO 1101			8609
ltr	ecn no	dr	date	tolerances unless otherwise specified					title
A	–	MJA	2013–06–19	angles	linear	.0±.1		mm	DIN STANDARD RECEPTACLE
B	ELX–I–30201	AMAL	2018–05–16						STRAIGHT SPILL DIN 41612 STYLE-B
–	–	–	–	0°±1°				scale –	
				dr	M JACOB	2013–04–24			dwg no C-8609-2317
				engr	M JACOB	2013–04–24		Amphenol FCi	sheet 1 of 1
				chr	M JACOB	2018–05–16			size A3
				appd	BIJU K PAUL	2018–05–16			type Product Customer Drawing
sheet index	revision sheet	B 1							

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