

**TECHNICAL SPECIFICATION**

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL94V0, 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 : Au / GXT™ OVER Ni  
 ACTIVE ZONE : Au / GXT™ OVER Ni  
 TERMINATION ZONE : Sn (PURE MATT) OVER Ni  
 HARPOON PLATING : Sn (PURE MATT) OVER Ni

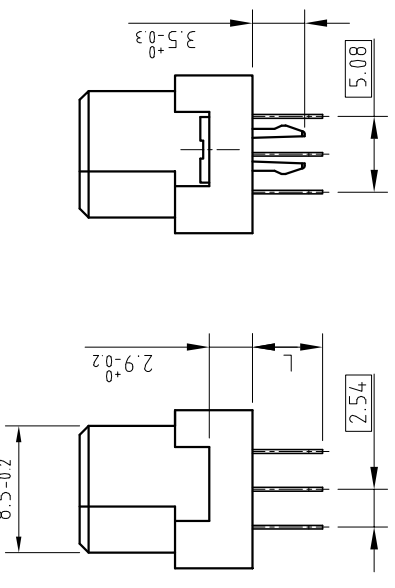
**ELECTRICAL DATA**

CURRENT RATING AT 20°C : 15 A  
 CURRENT (I MAX) : 2 A  
 TEMPERATURE RANGE : -55°C TO +125°C

CONTACT RESISTANCE : ≤ 20 mΩ  
 INSULATION RESISTANCE : ≥ 10<sup>6</sup> MΩ  
 TEST VOLTAGE (rms) : 1000 V

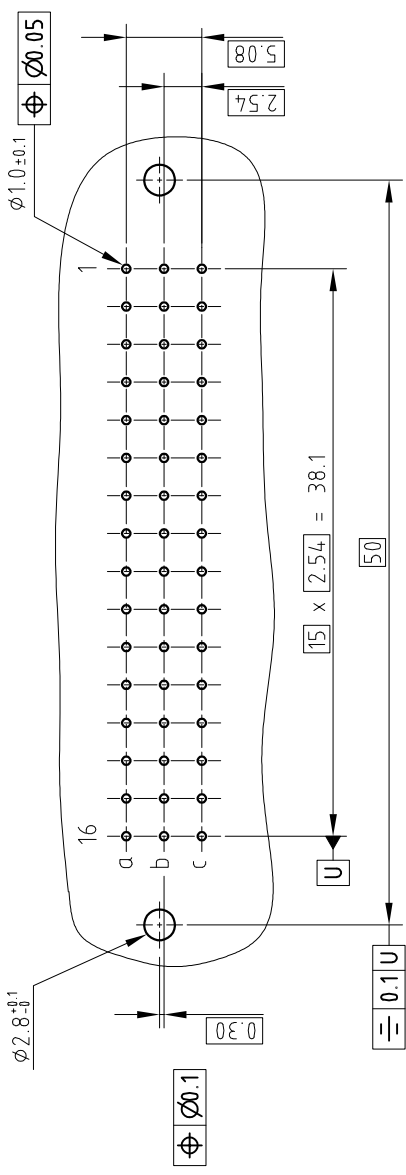
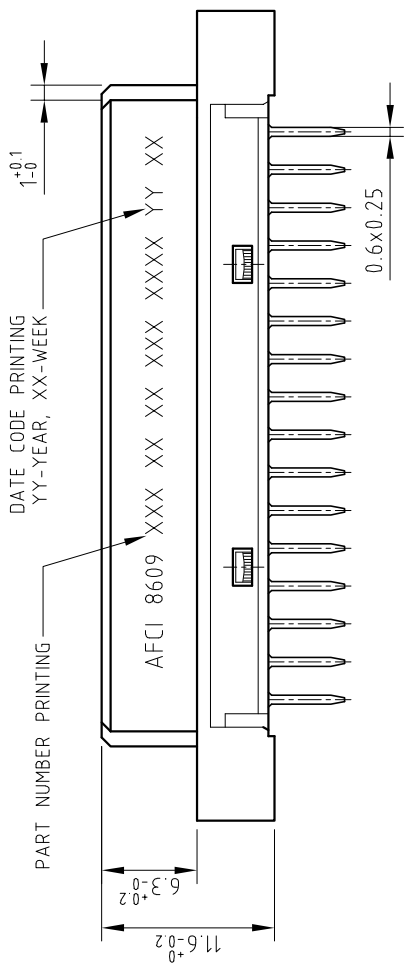
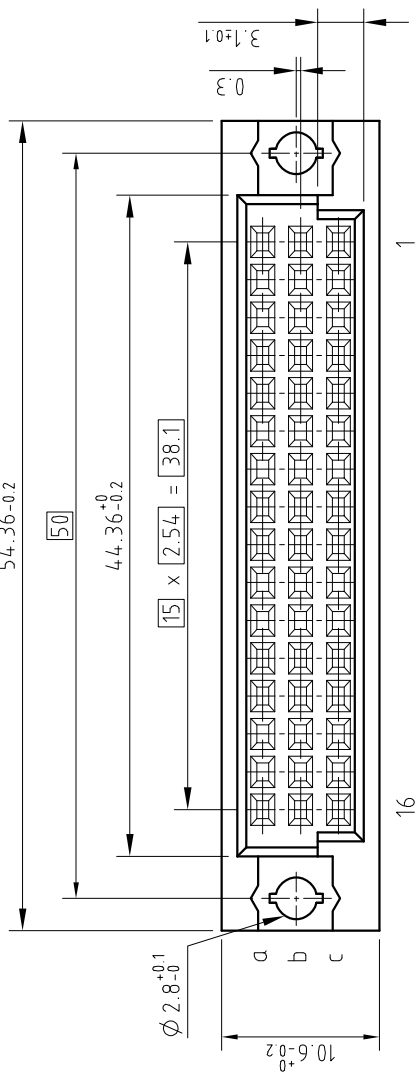
**MECHANICAL DATA**

INSERTION FORCE PER CONTACT : ≤ 0.94 N  
 EXTRACTION FORCE PER CONTACT : ≥ 0.15 N  
 REFERENCE SPECIFICATION : DIN 41612 / IEC 603-2



NO OPTION

WITH HARPOONS



PCB DRILLING DETAILS

**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.

ROWS FITTED WITH CONTACTS

ROW a b c	3	48
ROW a - c	4	32

NO. OF CONTACTS : 8609 3 48 3 14 7 5 5 V1LF

TYPE OF INSULATOR : 3 ROW FEMALE INSULATOR 8

METHOD OF MOUNTING : STANDARD MOUNTING - STYLE C/2 3

TERMINATION : STRAIGHT SPILL LONG, L = 4.0<sup>+0.7</sup> 14  
 STRAIGHT SPILL SHORT, L = 2.5<sup>+0.7</sup> 24

OPTIONS : NO OPTION 7  
 WITH HARPOONS 8

PERFORMANCE CLASS : DIN 41612 CLASS 3 4  
 DIN 41612 CLASS 2 5  
 DIN 41612 CLASS 1 6  
 AS PER MIL C 55302 / JSS 50808 8

PITCH PER ROW : 2.54 mm 5  
 LEAD FREE VERSION V1LF

mat'l. code	surface	tolerance	projection	product family
SEE TECH. SPEC.	ISO 1302	ISO 406 ISO 1101		8609
itr	tolerances unless otherwise specified			
A	ecn no	dr	date	angles
	108-0171	KR	2008-12-19	linear
B	ELX-I-010167	MJA	2012-02-02	0°±1°
C	ELX-I-30157	MJA	2018-05-11	dr
				engr
				chr
				appd
				revision
sheet				C
index				1

scale	2:1
dwg no	C-8609-2140
sheet 1 of 1	size A3
type	Product Customer Drawing