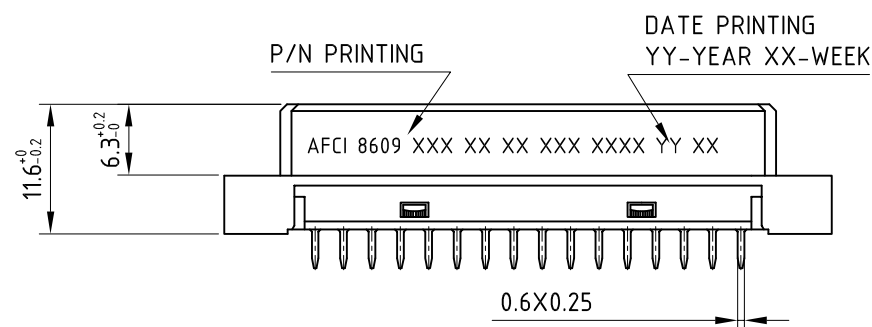
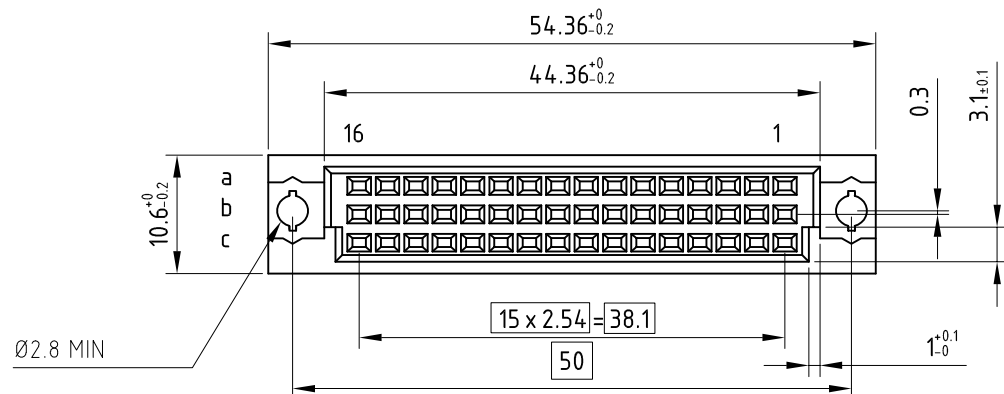
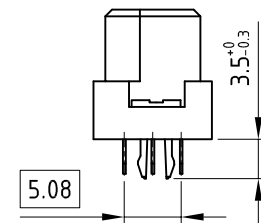
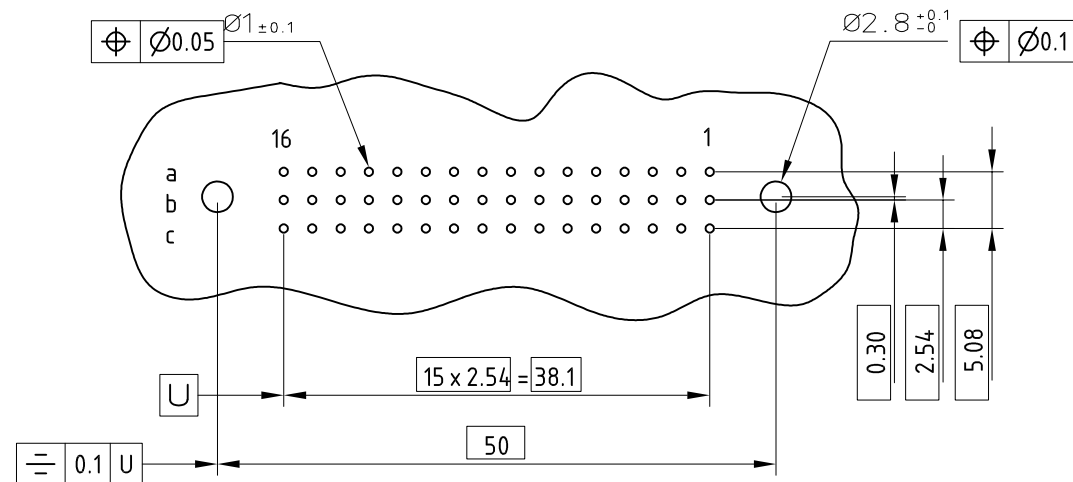


NO OPTION



WITH HARPOONS

PCB LAYOUT



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	:	HIGH TEMPERATURE THERMOPLASTIC POLYESTER (LCP) UL94V-0, NATURAL
	:	HOUSING CAN WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRARED OR VAPOUR REFLOW SOLDER APPLICATION
CONTACT / HARPOON MATERIAL	:	COPPER ALLOY
CONTACT ACTIVE ZONE PLATING	:	Au / GXT™ OVER NICKEL
CONTACT TERMINATION ZONE/HARPOON PLATING	:	
LEAD FREE VERSION	:	TIN (PURE MATTE) OVER NI
RAILWAY CLASSIFICATION	:	I2/F1 acc to NFF 16-101/102 R22/R23 to HL3 acc to EN45545-2:2013

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	3	48	8	3	14	B	5	5	F1LF
ROWS FITTED WITH CONTACTS										
Rows a-b-c		3	48							
Rows a-c		4	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR							8			
METHOD OF MOUNTING										
STANDARD MOUNTING STYLE- C/2							3			
TERMINATION										
STRAIGHT SPILL LONG, L = 4.0 (+0.7, -0)									14	
STRAIGHT SPILL SHORT, L = 2.5 (+0.7, -0)									24	
OPTIONS										
HIGH TEMPERATURE HOUSING (NATURAL)									B	
HIGH TEMPERATURE HOUSING (NATURAL) WITH HARPOONS									T	
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	
F1LF										HIGH TEMPERATURE INSULATOR, LEAD FREE VERSION

mat'l. code	surface	tolerance	projection	product family
SEE TECH SPEC	ISO 1302 ✓	ISO 406 ISO 1101	mm	8609
ltr	ecn no	dr	date	title
A	-	MJA	2016-11-29	DIN STANDARD RECEPTACLE
B	ELX-I-30157	MJA	2018-05-11	DIN 41612 STRAIGHT SPILL STYLE C/2
C	ELX-I-40715	MJA	2021-04-20	(HIGH TEMPERATURE VERSION)
				dwg no
				sheet 1 of 1
				size
				C-8609-2365
				A3
				type Product Customer Drawing
sheet index	revision	c		
	sheet	1		