

TECHNICAL SPECIFICATION

INSULATOR 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 PLATING : Au / GXT™ OVER NICKEL  
 ACTIVE ZONE : Au / GXT™ OVER NICKEL  
 TERMINATION ZONE : TIN (PURE MATTE) OVER NICKEL  
 LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL  
 HARPOON PLATING : TIN (PURE MATTE) OVER NICKEL  
 LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL

RAILWAY CLASSIFICATION : I2/F1 acc to NFF 16-101/102  
 R22/R23 to HL3 acc to EN45545-2:2013

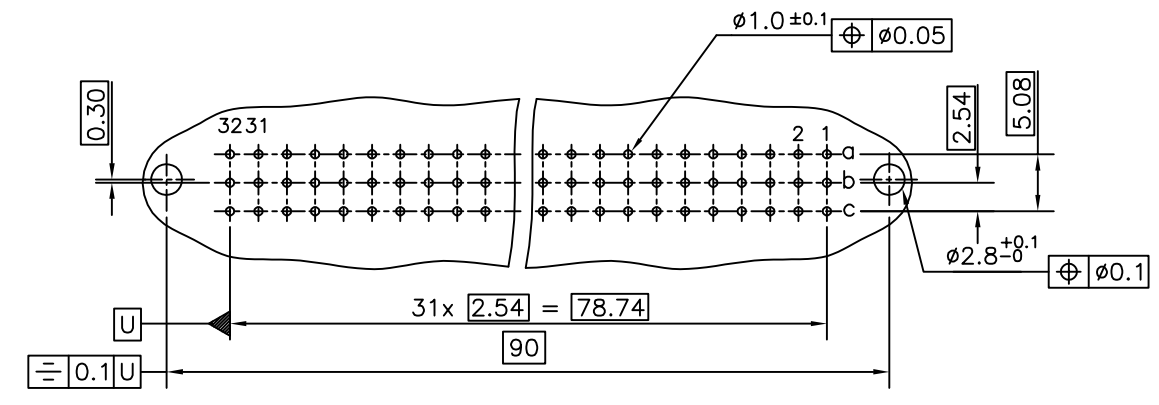
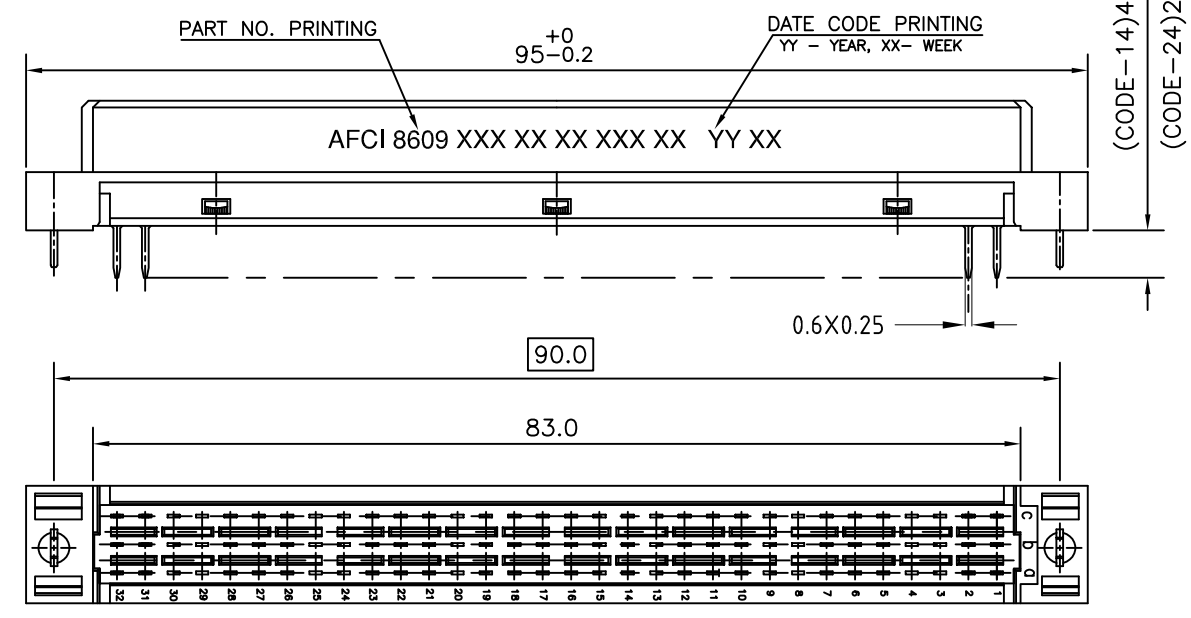
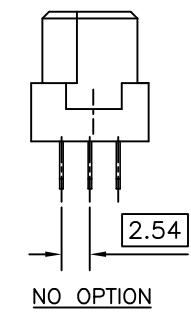
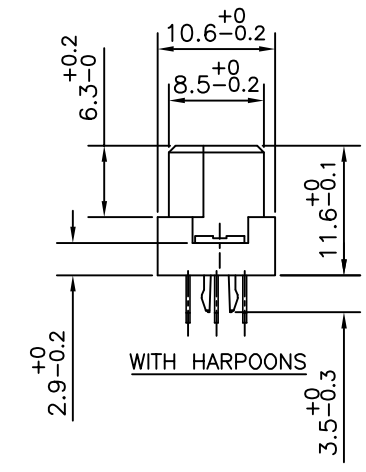
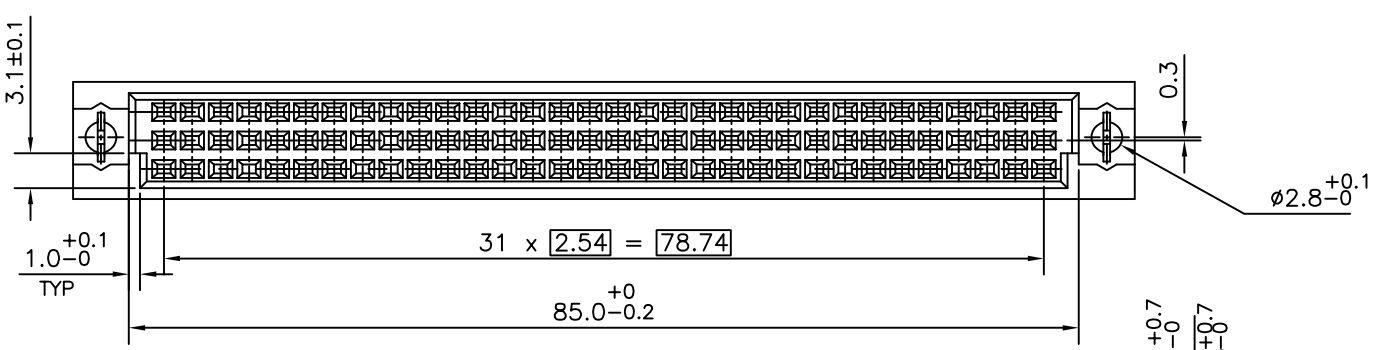
ELECTRICAL DATA

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<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	3	96	8	1	14	B	5	5	F1LF
ROWS FITTED WITH CONTACTS										
Rows a-b-c				3	96					
Rows a-c				4	64					
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR	8									
METHOD OF MOUNTING										
STANDARD MOUNTING STYLE- C	1									
TERMINATION										
STRAIGHT SPILL (LONG)	14									
STRAIGHT SPILL (SHORT)	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									



P.C.B 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.

mat'l. code	-		surface	ISO 1302	tolerance	ISO 406 ISO 1101	projection	product family	8609		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	-	MJA	2017/06/05	angles	linear	.0±.1		DIN STANDARD RECEPTACLE			
B	ELX-I-30157	MJA	2018/05/11			mm		STRAIGHT SPILL DIN 41612 STYLE-C			
C	ELX-I-40715	MJA	2021-04-20	0°±1'		scale -		(HIGH TEMPERATURE VERSION)			
sheet index		revision	C	dr	M JACOB	2017/06/05	Amphenol FCi	dwg no		sheet 1 of 1	size
		sheet	1	enr	M JACOB	2017/06/05		C-8609-2370		A3	
				chr	M JACOB	2021-04-20		Product Customer Drawing			
				appd	SANOJ	2021-04-20					