

TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL94V-0 , GREY  
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 250-265°C FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C

CONTACT MATERIAL : COPPER ALLOY  
 CONTACT ACTIVE ZONE PLATING : GOLD OVER NICKEL  
 CONTACT TERMINATION ZONE :  
 TIN LEAD VERSION : TIN LEAD OVER NICKEL  
 LEAD FREE VERSION : TIN (PURE MATTE) OVER Ni

ELECTRICAL DATA

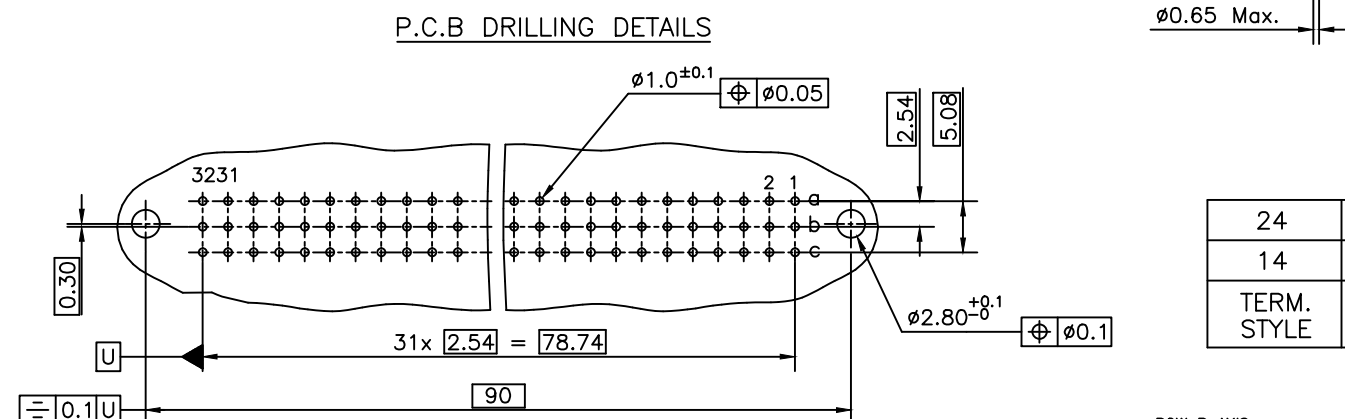
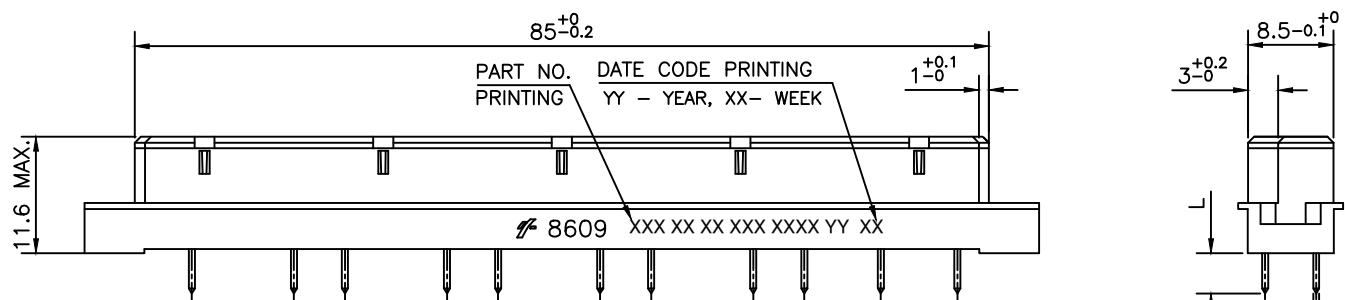
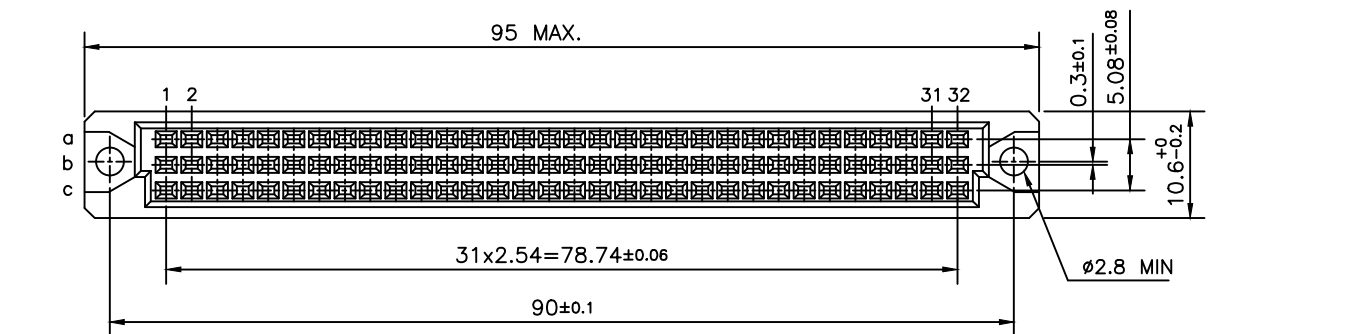
CURRENT RATING AT 20°C : 1.5 A  
 CURRENT (I MAX) : 2 A  
 TEMPERATURE RANGE : -55°C/+125°C  
 CONTACT RESISTANCE : ≤ 20mΩ  
 INSULATION RESISTANCE : ≥ 10<sup>6</sup> MΩ  
 TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT : ≤ 0.94N  
 EXTRACTION FORCE PER CONTACT : ≥ 0.15N

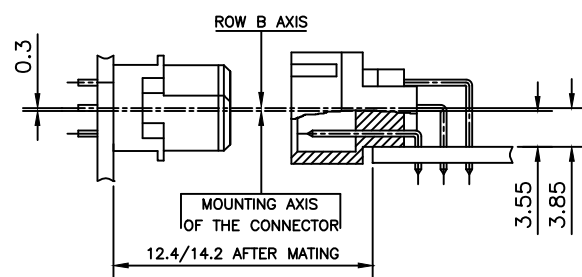
REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	4	22	8	1	14	7	5	0	NELF
ROWS FITTED WITH CONTACTS										
Rows a - c	4 22									
NUMBER OF CONTACTS										
TYPE OF INSULATOR	3 ROW FEMALE INSULATOR 8									
METHOD OF MOUNTING	STANDARD MOUNTING - STYLE C 1									
TERMINATION										
SHORT STRAIGHT SPILL (L = SEE TABLE)	24									
LONG STRAIGHT SPILL (L = SEE TABLE)	14									
OPTIONS										
NO OPTION	7									
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										
MIXED PITCH	0									
LEAD FREE VERSION, FOR SPECIAL LOADING OF CONTACTS SEE CONTACT ARRANGEMENT	NELF									



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
a	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X
b	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X
c	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X

STANDARD CONTACT  
  EMPTY CAVITY  
  FMLB CONTACT  
  LMEB CONTACT



NOTES:-  
 1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008  
 2. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 3.5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6 MM MINIMUM THICK CIRCUIT BOARD  
 3. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.

mat'l. code	surface	tolerance	projection	product family
-	ISO 1302	ISO 406 ISO 1101		DIN 8609
ltr	ecn no	dr	date	title
A	I11-0046	MJA	2011-01-04	DIN STANDARD RECEPTACLE
-	-	-	-	STRAIGHT DIN 41612 STYLE-C
	angles	linear	mm	scale 3:2
	0°±1'			
	dr	M JACOB	2011-01-04	dwg no
	enr	M JACOB	2011-01-04	sheet 1 of 1
	chr	S ALOSIUS	2011-01-04	size
	appd	BIJU K PAUL	2011-01-04	A3
sheet index	revision sheet	A	1	type
				Product Customer Drawing