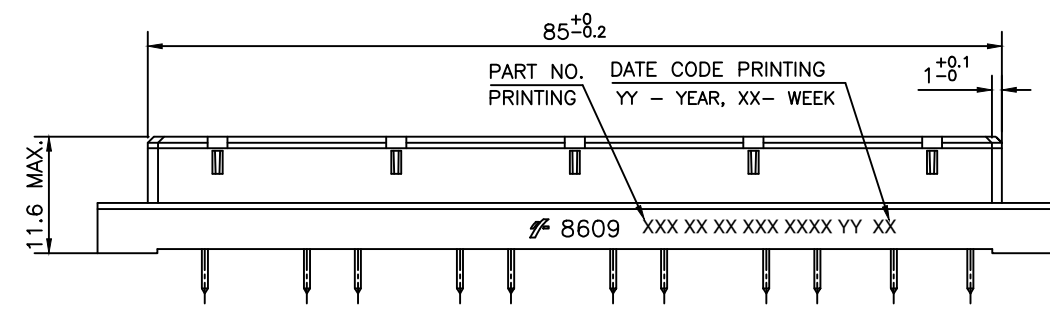
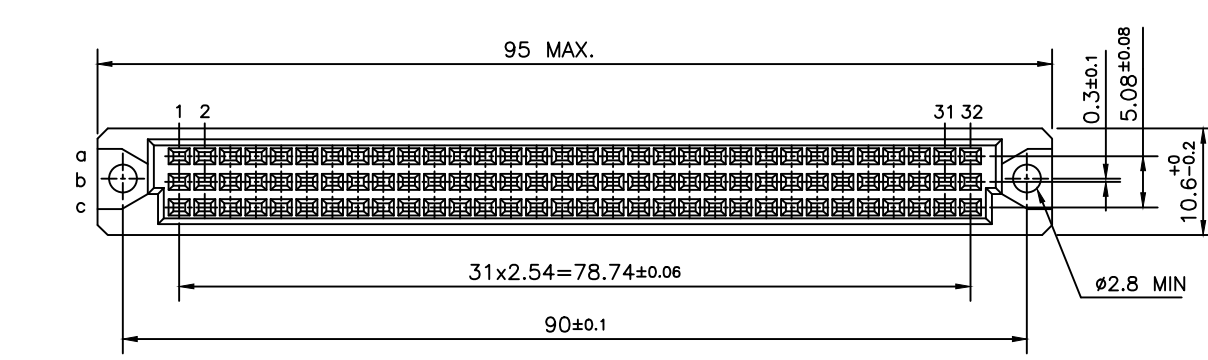
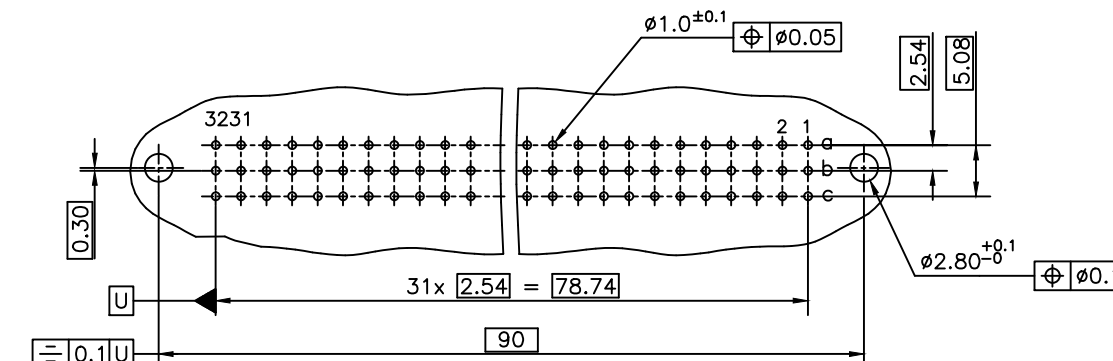




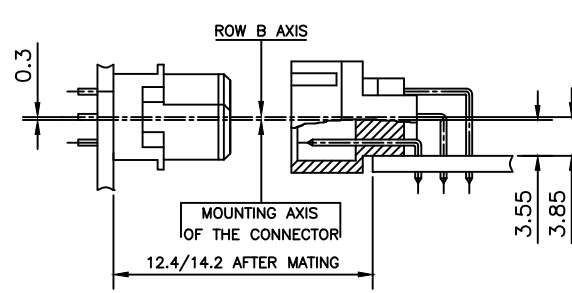
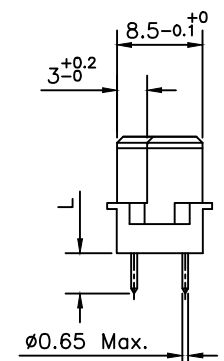
P.C.B DRILLING DETAILS



CONTACT ARRANGEMENT

	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
b																																
c	X					X	X				X	X				X	X				X	X				X	X				X	X

☒ STANDARD CONTACT ☐ EMPTY CAVITY ☒ FMLB CONTACT ☒ LMEB CONTACT



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 : ≥ 10⁶ 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		4	22							
Rows a - c										
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR										
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C										
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

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	ISO 1302	tolerance	ISO 406	ISO 1101	projection	product family	DIN 8609
ltr	ecn no	dr	date	tolerances unless otherwise specified	linear	angles	mm	title	DIN STANDARD RECEPTACLE
A	I11-0046	MJA	2011-01-04			0°±1°	scale 3:2	dwg no	sheet 1 of 1
-	-	-	-					C-8609-2265	A3
				dr	M JACOB	2011-01-04		type	Product Customer Drawing
				enr	M JACOB	2011-01-04			
				chr	S ALOSIOUS	2011-01-04			
				appd	BIJU K PAUL	2011-01-04			
sheet index	revision sheet	A	1						

Mouser Electronics

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