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### TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL 94 V-0, 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

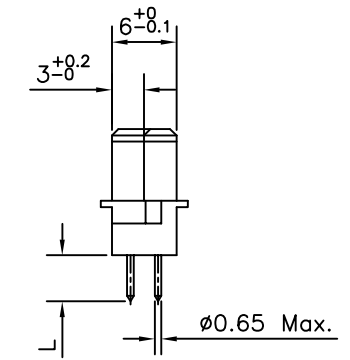
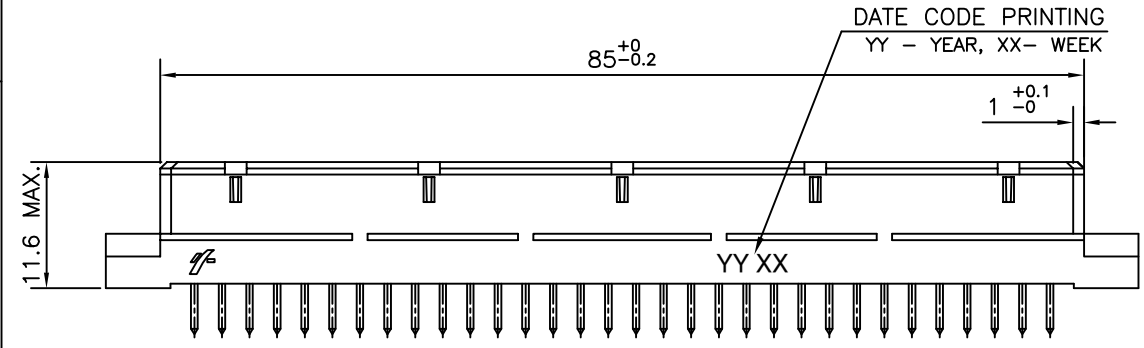
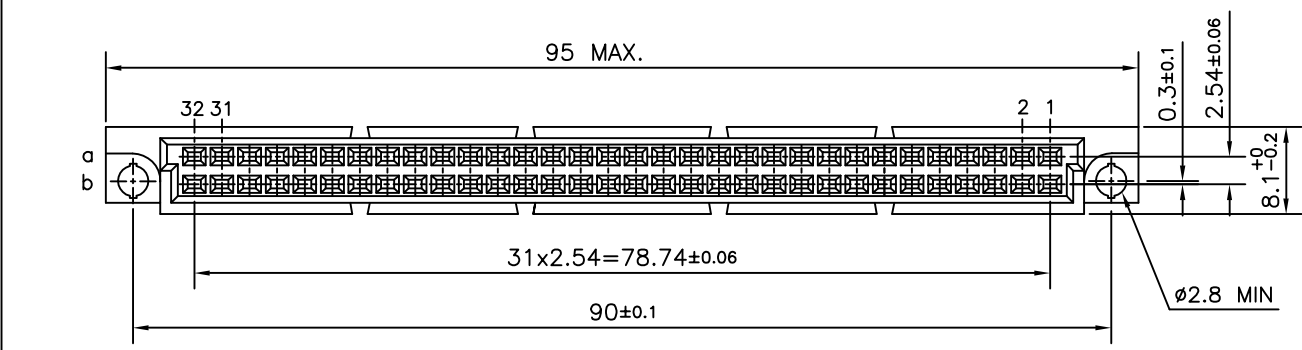
CONTACT MATERIAL : COPPER ALLOY  
CONTACT PLATING : GOLD OVER NICKEL  
ACTIVE ZONE : GOLD OVER NICKEL  
TERMINATION ZONE : TIN LEAD OVER NICKEL

TIN LEAD VERSION : TIN LEAD OVER NICKEL  
LEAD FREE VERSION : TIN (PURE MATTE) OVER NI

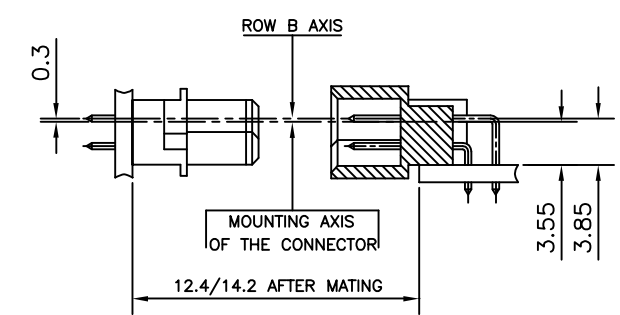
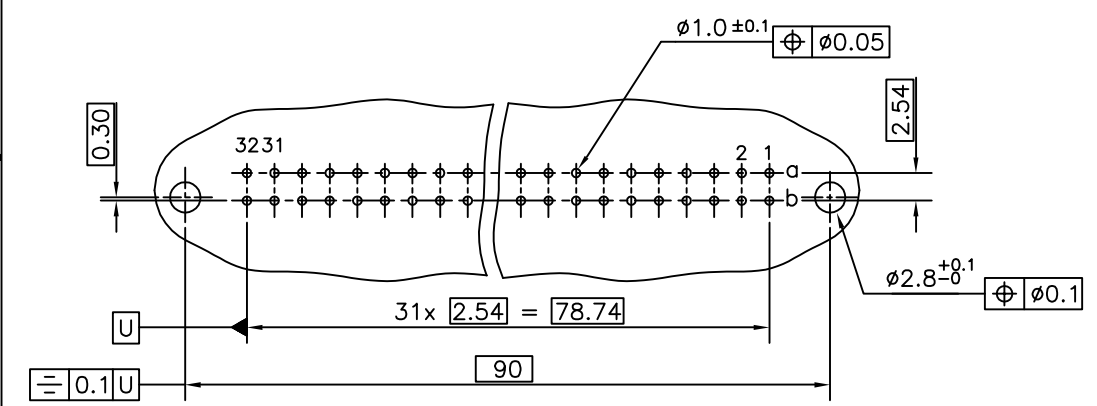
**ELECTRICAL DATA**  
CURRENT RATING AT 20°C : 1.5 A  
CURRENT (I MAX) : 2 A  
TEMPERATURE RANGE : -55°C/ +125°C  
CONTACT RESISTANCE : ≤ 20mΩ  
INSULATION RESISTANCE : ≥ 10<sup>6</sup> MΩ  
TEST VOLTAGE (rms) : 1000V

**MECHANICAL DATA**  
INSERTION FORCE PER CONTACT : ≤ 0.94N  
EXTRACTION FORCE PER CONTACT : ≥ 0.15N  
REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	1	32	6	1	14	7	6	5	F16E1
ROWS FITTED WITH CONTACTS										
Rows a b -		2	64							
Rows a - -		1	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
2 ROW FEMALE INSULATOR				6						
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE B					1					
TERMINATION										
LONG STRAIGHT SPILL (L - SEE TABLE)								14		
SHORT STRAIGHT SPILL (L - SEE TABLE)								24		
OPTIONS										
NO OPTION									7	
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
F16E1										SPECIAL CODE : ONLY DATE CODE TO BE PRINTED ON CONNECTOR-TIN LEAD VERSION
NBLF										SPECIAL CODE : ONLY DATE CODE TO BE PRINTED ON CONNECTOR-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-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				8609												
ltr	ecn no		dr	date		tolerances unless otherwise specified				title												
A	I05-0147		MINI	28/08/2005		angles																
B	I06-0064		MINI	01/06/2006		linear		.0±.1		DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE-B												
						0°±1'		mm														
								scale -														
						dr	MINI K VANDANATH		22/09/2004				dwg no				sheet 1 of 1				size	
						enr	RAKHEE GEORGE		22/09/2004													
						chr	RAKHEE GEORGE		01/06/2006													
						appd	RAKHEE GEORGE		01/06/2006													
sheet index		revision		B																		
		sheet		1																		