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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

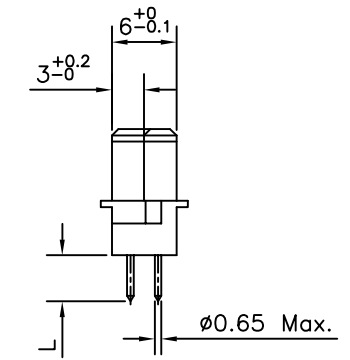
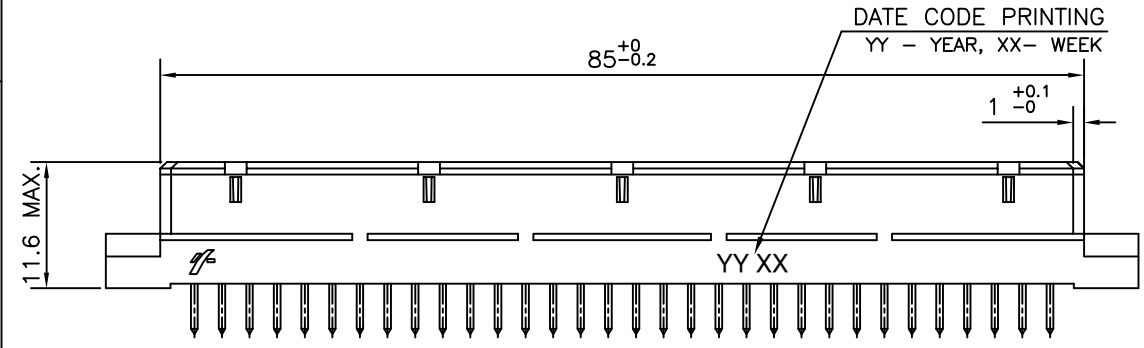
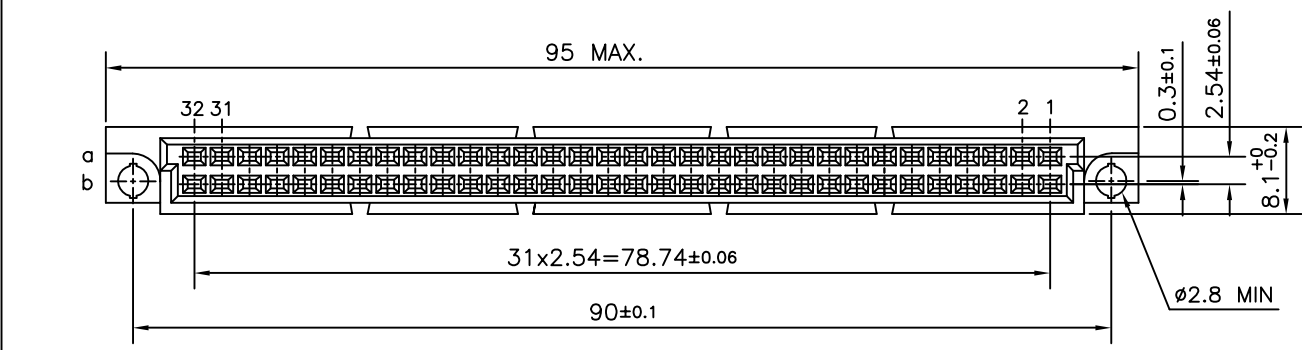
CONTACT MATERIAL : COPPER ALLOY
CONTACT PLATING : GOLD OVER NICKEL
ACTIVE ZONE : GOLD OVER NICKEL
TERMINATION ZONE : TIN LEAD OVER NICKEL

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

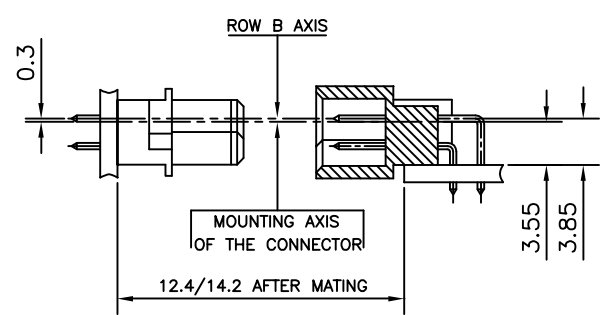
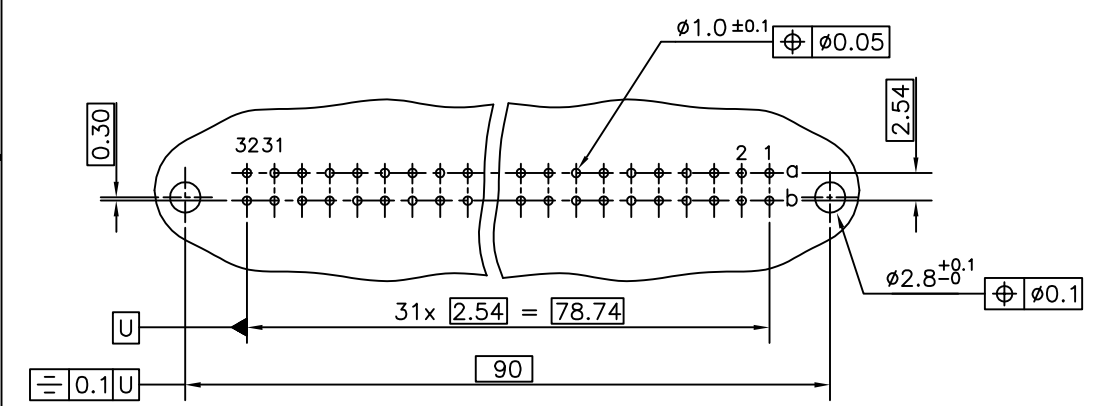
ELECTRICAL DATA
CURRENT RATING AT 20°C : 1.5 A
CURRENT (I MAX) : 2 A
TEMPERATURE RANGE : -55°C/ +125°C
CONTACT RESISTANCE : ≤ 20mΩ
INSULATION RESISTANCE : ≥ 10⁶ MΩ
TEST VOLTAGE (rms) : 1000V

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

SERIES	8609	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:-**
- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
 - 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
 - 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											
										mm		STRAIGHT SPILL DIN 41612 STYLE-B									
						0°±1'				scale -											
						dr		MINI K VANDANATH		22/09/2004				dwg no		sheet 1 of 1		size			
						enr		RAKHEE GEORGE		22/09/2004				C-8609-2074		A3					
						chr		RAKHEE GEORGE		01/06/2006											
						appd		RAKHEE GEORGE		01/06/2006											
sheet index		revision		B								type		Product		Customer		Drawing			
		sheet		1																	