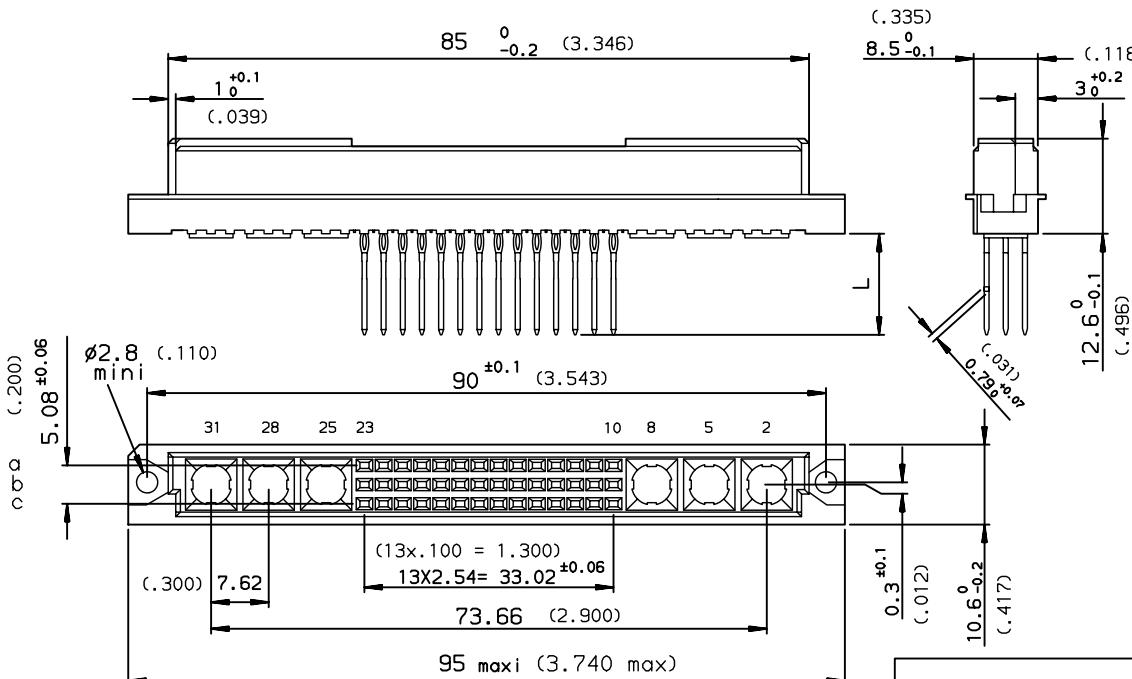
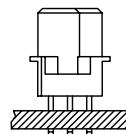
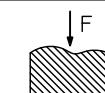
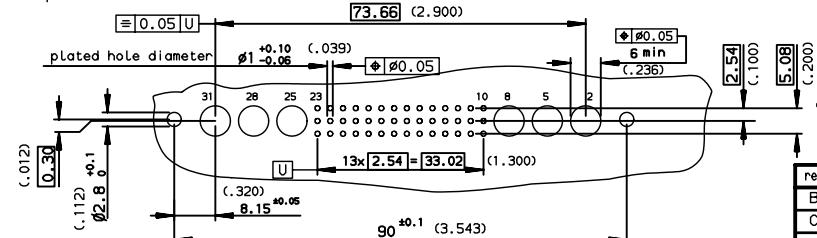


DIMENSIONS mm (inches)



METHOD OF INSERTION
ON THE PCB = FLAT ROCK

PCB DRILLING
component side

PERFORMANCES AS PER DIN 41612

plated hole diameter
0.05 U

73.66 (2.900)

13x 2.54 = 33.02 (1.300)

90.0 ±0.1 (3.543)

ELECTRICAL DATA (for signal contacts)		
-Current at AMB.	1.5 A at 20° C / 1 A at 70° C	
-I max	2A	
-Contact resistance	<20mA according to DIN 41640 Teil 4 test 2a	
-Insulation resistance	>10 ⁶ MΩ according to DIN 41640 teil 7 test 3a	
-TEST VOLTAGE	according to DIN 41640 teil 21	
contact/contact	1000V eff (0.5 mA / 50 Hz)	
contact/ground	1550V eff (0.5 mA / 50 Hz)	
-Press Fit termination resistance	< 1 mA	
MECHANICAL DATA (for signal contacts)		
-Mating force	42 Cts : <40N (9 lb) / 28 Cts : <26N (5.85 lb)	
-Unmating force	42 Cts : >6.5N (1.45 lb) / 28 Cts : >4.3N (1 lb)	
-Mechanical endurance	class 1 500 matings unmatings according to DIN41640 teil 21 class 2 400 class 3 50	
-Press in insertion force		
per pin	180 N (40.7 lb) max / 75 N (17 lb) standard	
-Material insulator	Polyester thermoplastic UL94V0	
-Material contacts	Phosphor bronze	
-Finishing contact surface	Gold over Nickel	
-Finishing termination	Tin Lead	
-Shock	<40mA according to DIN 41640 Teil 14 test 6c	
-Vibration	10-2000Hz/20g according to DIN 41640 Teil 15 class 1 class 2 10-500Hz/5g	
-Backpanel or PCB thickness:	1.6, 2.4 or 3.2 mm	
ENVIRONMENTAL DATA		
-Climatic category	According to DIN 41612	
-Corrosion	According to DIN 41612	
PART NUMBER		
8609-□-F1-□-7-□-5-000-E3		
PIN OUT		
rows a-b-c	3-42	
rows a-c	4-28	
NUMBER OF CONTACTS		
TERMINATION		
L = 13.10 ±0.20 (.515)	1 wrap	91
L = 17.10 ±0.20 (.673)	2 wraps	92
L = 3.00 ±0.20 (.118)	short post	94
PERFORMANCE CLASS		
DIN 41612 class 3	4	
DIN 41612 class 2	5	
DIN 41612 class 1	6	

European Views

Dr	LEGALLIC	1997/11/05	surface		tolerance std	projection
			ISO 1302	✓		
Eng	LEGALLIC	1997/11/05	ANGULAR		ISO 406	ISO 1101
Chr	LEGARE	1997/11/05	LINEAR		0.XX	±0.1
Appr	LEGARE	1997/11/05			0.XXX	±0.1
					DIN	Spec ref



STRAIGHT FEMALE STYLE M
PRESS FIT

catalog no

C-8609-0557
Rev. C

CUSTOMER sheet 1 of 1