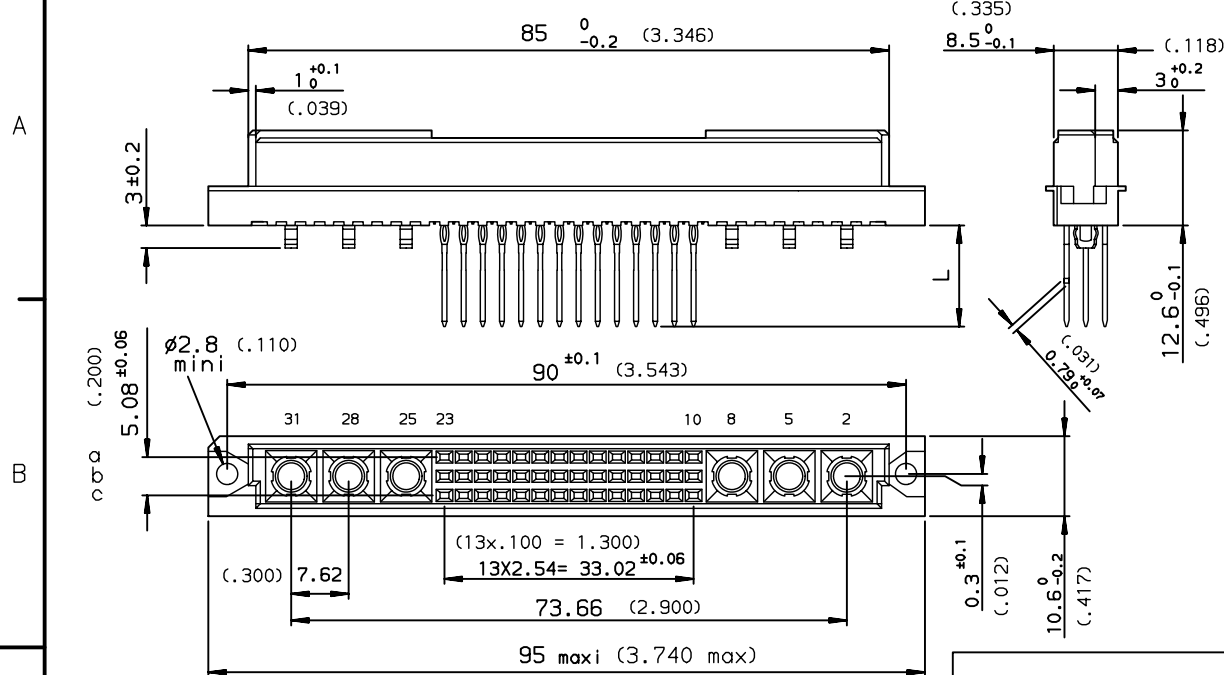
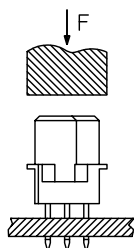


DIMENSIONS mm (inches)

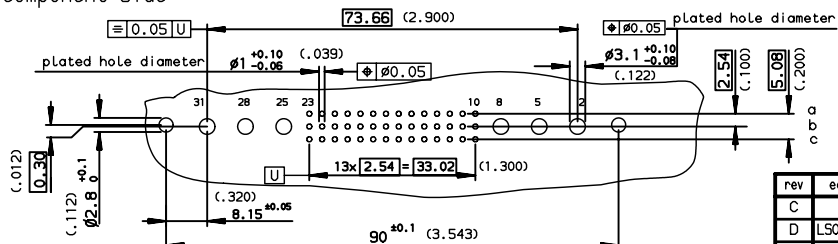


METHOD OF INSERTION
ON THE PCB = FLAT ROCK



PCB DRILLING
component side

PERFORMANCES AS PER DIN 41612



ELECTRICAL DATA (for signal contacts)

-Current at AMB.	1.5 A at 20° C / 1 A at 70° C
-I max	2A
-Contact resistance	≤20mΩ 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 mΩ

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	≤40mΩ according to DIN 41640 Teil 14 test 6c
-Vibration	class 1 10-2000Hz/20g according to DIN 41640 Teil 15
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 ☐ ☐ FP ☐ 7 ☐ 5-000-E3

PIN OUT
rows a-b-c
rows a-c

3 42
4 28

NUMBER OF CONTACTS

TERMINATION

L = 13.10 ±0.20 (C.515)	1 wrap	91
L = 17.10 ±0.20 (C.673)	2 wraps	92
L = 3.00 ±0.20 (C.118)	short post	94

PERFORMANCE CLASS

DIN 41612 class 3	4
DIN 41612 class 2	5
DIN 41612 class 1	6

European Views

www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		mm 		
TOLERANCES UNLESS OTHERWISE SPECIFIED											
Dr	LEGALLIC	1997/05/11	ANGULAR	LINEAR	0.X	±0.1	size A3	Scale 1.5			
Eng	LEGALLIC	1997/05/11			0.XX	±0.1					
Chr	LEGARE	1997/05/11			0.XXX	±0.1		ECN LS07-0130			
Appr	LEGARE	1997/05/11	Product family				DIN	Spec ref -			
			title STRAIGHT FEMALE STYLE M PRESS FIT				dwg no C-8609-0527			Rev. D	
catalog no			-				CUSTOMER			sheet 1 of 1	

REV F - 2006-04-17