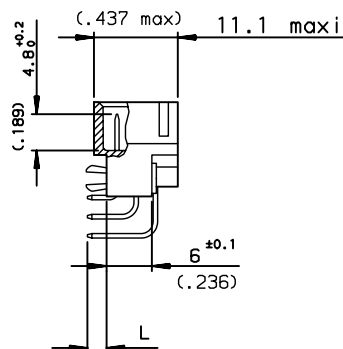
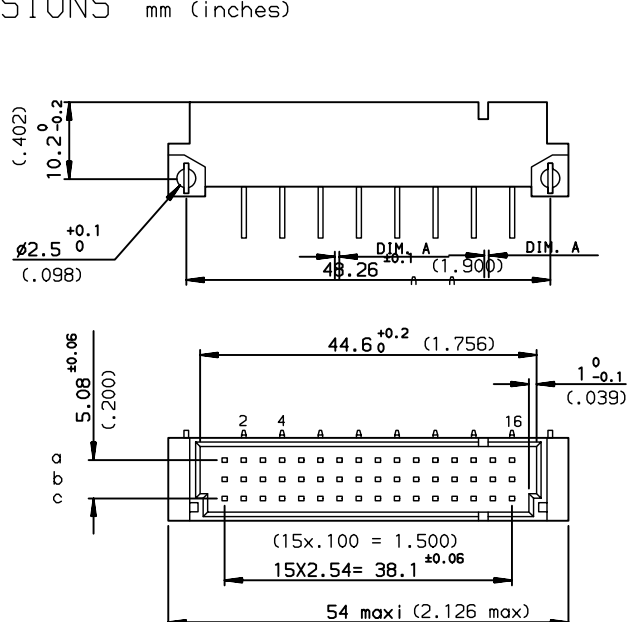


DIMENSIONS mm (inches)



ELECTRICAL DATA

-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 ⁹ Ma 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)

MECHANICAL DATA

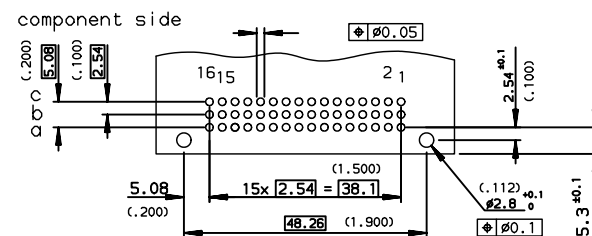
-Retention force	≥20N (4.5 Lb) per contact
-Insertion force	24 Cts : ≤23N (5.2 Lb) / 16 Cts : ≤15N (3.4 Lb)
-Withdrawal force	24 Cts : ≥3.5N (0.8 Lb) / 16 Cts : ≥2.5N (0.56 Lb)
-Mechanical endurance	class 1 500 matings unmatings according to DIN41640 teil 21
	class 2 400
	class 3 50
-Material insulator	Polyester thermoplastic UL94V0
-Material contacts	Brass
-Finishing contact surface	Gold over Nickel
-Finishing termination	Tin Lead
-Material and plating harpoon	Phosphor bronze - Tin Lead
-Solderability	according to DIN 41640 teil 70 test 12a
-Shock	≤40ma 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

ENVIRONMENTAL DATA

-Climatic category	According to DIN 41612
-Corrosion	According to DIN 41612

PCB DRILLING

PERFORMANCES AS PER DIN 41612



PART NUMBER	8609	73	8-000-E1
PIN OUT	rows a-b-c	3-24	
	rows a-c	4-16	
NUMBER OF CONTACTS			
TERMINATION			
L = 2.75 ±0.15 (.108)	A = Ø0.6 ⁰ _{-0.08}	B = Ø0.8 ^{+0.3} ₀	13
L = 4.15 ±0.15 (.163)	A = 0.6X0.6	B = Ø1±0.1	23
OPTIONS			
no option			7
with harpoons	for PCB thickness 1.6 mm		H
PERFORMANCE CLASS			
DIN 41612 class 3			4
DIN 41612 class 2			5
DIN 41612 class 1			6

rev	ecn no	dr	date
B	-	HLE	1999/01/25
C	LS07-0130	HLE	2007/05/22
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	LEGALLIC	1999/01/25	ANGULAR	LINEAR
Eng	LEGALLIC	1999/01/25	0.X	±0.1
Chr	LEGARE	1999/01/25	0.XX	±0.1
Appr	LEGARE	1999/01/25	0.XXX	±0.1
Product family		DIN Spec ref -		
title RIGHT ANGLE MALE		dwg no C-8609-0635		Rev. C
catalog no		CUSTOMER		sheet 1 of 1