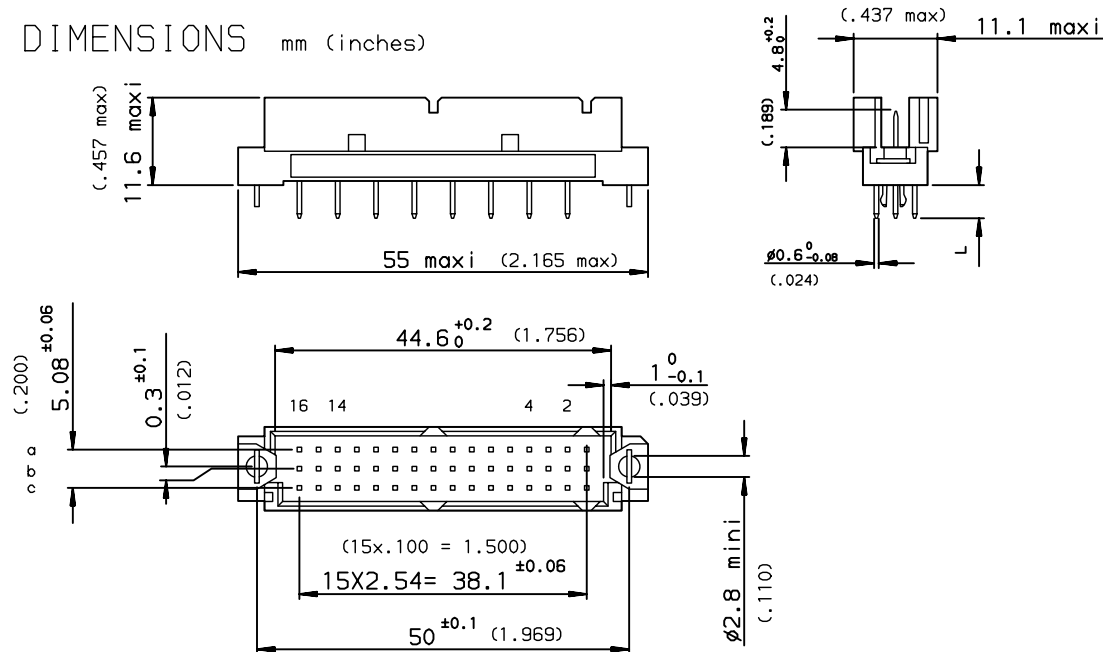


# DIMENSIONS mm (inches)



## 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 <sup>6</sup> 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)

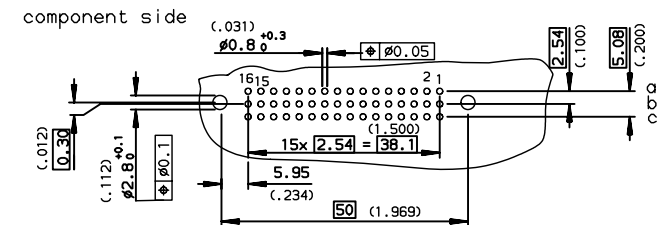
## MECHANICAL DATA

-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			76				8-000-E1
PIN OUT								
rows a-b-c				3				24
rows a-c				4				16
NUMBER OF CONTACTS								
TERMINATION								
L = 2.70 ±0.25 (.106)								24
L = 4.65 ±0.25 (.183)								14
OPTIONS								
no option								7
with harpoons								H
								A
								R
PERFORMANCE CLASS								
DIN 41612 class 3								4
DIN 41612 class 2								0
DIN 41612 class 1								0

rev	ecn no	dr	date
A	-	HLE	1997/10/28
B	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	1997/10/28	ANGULAR	LINEAR
Eng	LEGALLIC	1997/10/28	0.X	±0.1
Chr	LEGARE	1997/10/28	0.XX	±0.1
Appr	LEGARE	1997/10/28	0.XXX	±0.1
Product family		DIN		Spec ref -
title STRAIGHT MALE STYLE R/2		dwg no C-8609-0648		Rev. B
catalog no		CUSTOMER		sheet 1 of 1