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Stocking Distributor

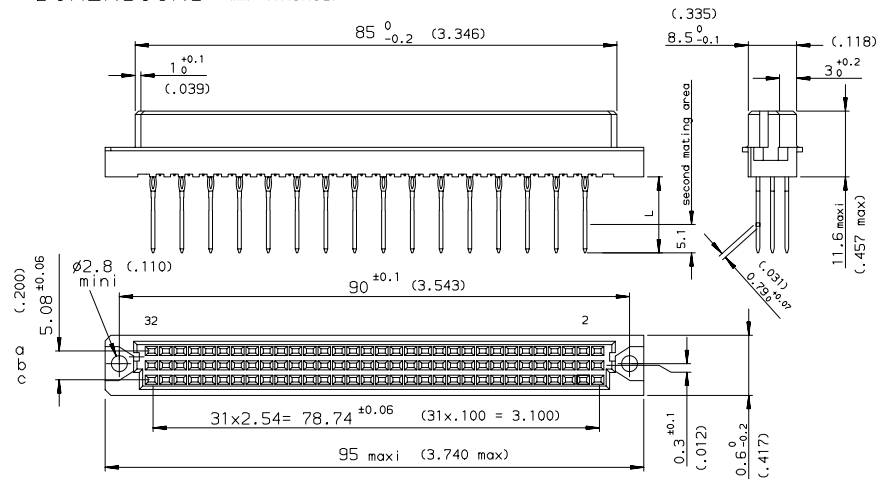
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[86094328196768000A](#)

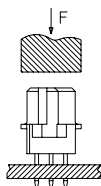
For any questions, you can email us directly:

sales@integrated-circuit.com

DIMENSIONS mm (inches)



METHOD OF INSERTION
ON THE PCB = FLAT ROCK



ELECTRICAL DATA

-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

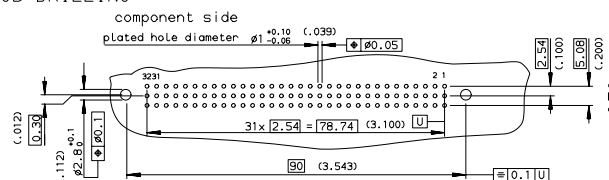
-Mating force	48 Cts ; ≤45N (10.15 Lb) / 32 Cts ; ≤30N (6.8 Lb)
-Unmating force	48 Cts ; ≥7N (1.6 Lb) / 32 Cts ; ≥5N (1.15 Lb)
-Mechanical endurance	class 1 500 matings unmatings according to DIN41640 teil 21
	class 2 400
	class 3 50
-Press in insertion force per pin	180 N (40.7 Lb) max / 75 N (17 Lb) 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	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

PERFORMANCES AS PER DIN 41612

PCB DRILLING



European Views

PART NUMBER	8609	81	7	8+000-A
PIN OUT	rows a-b-c	3	48	
	rows a-c	4	32	
NUMBER OF CONTACTS				
TERMINATION				
L = 13.10 ±0.20 (.515)	near plug up	96		
L = 17.10 ±0.20 (.673)	near plug up + 1 wrap	97		
PERFORMANCE CLASS				
DIN 41612 class 3				4
DIN 41612 class 2				5
DIN 41612 class 1				6

rev	ecn no	dr	date
D	-	MAS	1999/08/05
E	LS06-0208	LGO	2006/12/16
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406 ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	TARON	1994/11/14	ANGULAR	LINEAR	0.X ±0.1	size	Scale
Eng	TARON	1994/11/14			0.XX ±0.1	A3	1.5
Chr	H LEGALLIC	1994/11/14	0.XX ±2°		0.XXX ±0.1	ECN	LS06-0208
Appr	H LEGALLIC	1994/11/14	Product family		DIN STD	Spec ref	-
FCI		STRAIGHT FEMALE - STYLE C		2		Rev.	
title		PRESS FIT REAR PLUG UP		aug		E	
catalog no				C-8609-0438		sheet 1 of 1	

REV F - 2006-04-17

PDM: Rev:E STATUS:Released Printed: May 14, 2011