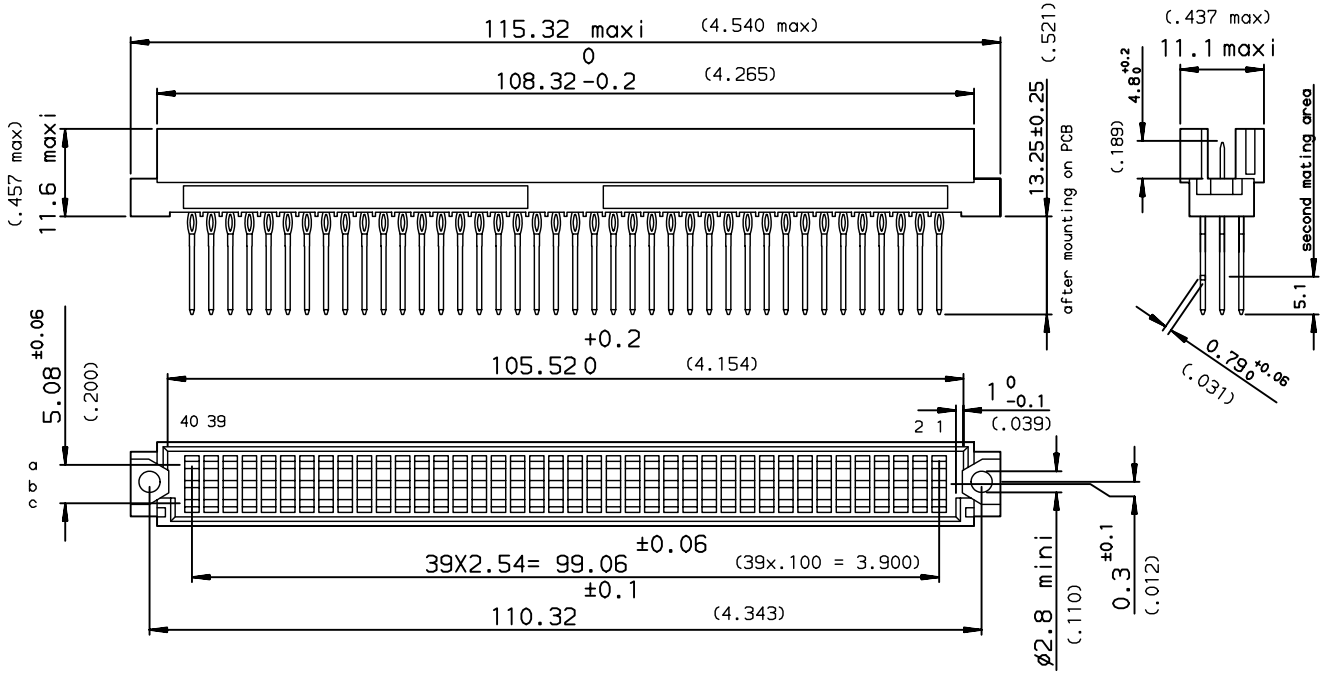
DIMENSIONS mm (inches)



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	≥10^6MΩ 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

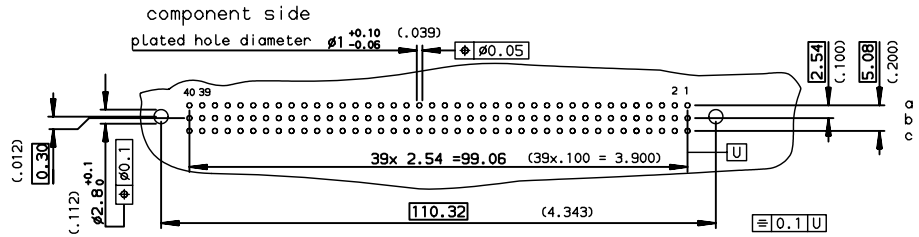
-Mating force	120 Cts : ≤ 112 N (25.35 Lb)
-Unmating force	120 Cts : ≥ 18 N (4.1 Lb)
-Mechanical endurance	400 matings unmatings according to DIN41640 teil 21
-Press in insertion force per pin	180 N (40.7 Lb) max / 75 N (17 Lb) standard
-Material insulator	Polyester thermoplastic UL94V0
-Material contacts	Phosphor bronze
-Finishing contact surface	Gold over Nickel
-Finishing termination	Tin Lead and Gold over Nickel
-Shock	≤40mΩ according to DIN 41640 Teil 14 test 6c
-Vibration	10-500Hz/5g according to DIN 41640 Teil 15
-Backpanel or PCB thickness:	1,6 - 2,4 or 3,2 mm

ENVIRONMENTAL DATA

-Climatic category	According to DIN 41612 - class 2
-Corrosion	According to DIN 41612 - class 2

PERFORMANCES AS PER DIN 41612 CLASS 2

PCB DRILLING



PART NUMBER : 8609-31-20-74-96-755-000

European Views

rev	ecn no	dr	date
C	-	HLE	2000/01/10
D	LS07-0130	HLE	2007/05/25
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com	surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection / mm
	TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr LEGALLIC 2000/01/10	ANGULAR	LINEAR 0.X ±0.1	size A3 / Scale 1.5
Eng LEGALLIC 2000/01/10		0.XX ±0.1	
Chr LEGARE 2000/01/10	0.XX° ±2°	0.XXX ±0.1	ECN LS07-0130
Appr LEGARE 2000/01/10	Product family	DIN	Spec ref -
title	STRAIGHT MALE STYLE R PRESS FIT 120 CONTACTS	dwg no	C-8609-0762 Rev. D
	catalog no -		CUSTOMER sheet 1 of 1

REV F - 2006-04-17

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