



PC BOARD LAYOUT

Dimensions are in millimeters

ELECTRICAL DATA

-I max	7.5A
-Contact resistance	≤7.3mΩ
-Insulation resistance	>5000MΩ
-TEST VOLTAGE	
contact/contact	>1000V
contact/ground	>1200V

MECHANICAL DATA

-Contact force	≥0.20N
-Retention force	≥20N
-Insertion force	according to DIN41652 Part 2
-Withdrawal force	according to DIN41652 Part 2
-Mechanical endurance	,500
-Material shell	steel
-Material insulator	glass filled thermoplastic UL94V0
-Material contacts	phosphor bronze
-Finish on contact area	gold over nickel (see table)
-Finish on termination end	bright tin-lead over nickel
-Solderability	according to DIN 41640 Part 70, test 12a
-Schock	according to DIN41640 Part 14, test 6c,50g
-Vibration	according to DIN41640 Part 15, test 6d,20g 10 to 2000Hz;discontinuity≤1μs

ENVIRONMENTAL DATA

-Climatic category	-55°/125°/56
-Corrosion	salt spray:48h

PART NUMBER	PLATING
DDM50S300	0.4μ Gold
DDM50S352	1.25μ Gold

European Views

www.fciconnect.com		surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection mm
TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	JOUBERT	2002/04/11	ANGULAR	LINEAR
Eng	PESSON	2002/04/11	0.X	±0.1
Chr	LEGARE	2002/04/11	0.XX	±0.1
Appr	LEGARE	2002/04/11	0.XXX	±0.1
Product family			D-SUB	Spec ref -
title		SOCKETS CONNECTORS D SUBMINIATURE		Rev.
WITH STRAIGHT SPILLS		C01-8637-1584_100		B
catalog no		CUSTOMER		sheet 1 of 1

rev	ecn no	dr	date
A	-	JOU	2002/04/11
B	LS06-0097	LGO	2006/07/28
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-



Copyright FCI.