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Series

DBML25P300

Shell size: E A B C D
see sheet 2

Front accessory definition
see sheet 2

Blank :without accessory

F :floating mounting

L :threaded insert M3

O :threaded insert UNC 4-40

V :female screw UNC 4-40

S :spacer

Contact number (see sheet 2)
9,15,25,37,50

Contacts
P :Pin

Termination type
3 :Straight version

Plating
00 : 500 matings/unmatings
43 : 500 matings/unmatings for harsh environment

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 501)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC UL94V0

-CONTACT MATERIAL: BRASS
GOLD OVER NICKEL

-ACCESSORIES: BRASS,cadmium plated yellow passivation

-SHELLS: STEEL,cadmium plated yellow passivation

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A

-CONTACT RESISTANCE: <= 7.3 m ohms

-CONTACT/CONTACT : >=1000 V

-CONTACT/GROUND : >=1200 V

-INSULATION RESISTANCE: >=5000 MOhms

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/56

TEMPERATURE RANGE -55°C TO +125°C

DAMP HEAT STEADY STATE 56 DAYS

SALT SPRAY 48 HOURS

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m minimum
- Female screw : 0.5 N.m minimum

25 WAY for Example

FCI

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Dr M PESSON 2006/11/14

Eng P LEGARE 2006/11/14

Chr P LEGARE 2006/11/14

Appr P LEGARE 2006/11/14

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surface -
ISO 1302 ✓

tolerance std
ISO 406 ISO 1101

projection
mm

size A2

Scale 2:1

rev ecn no dr date

A LS06-0174 MPE 2006/11/14

B LS07-0273 MPE 2007/10/30

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Dr M PESSON 2006/11/14

Eng P LEGARE 2006/11/14

Chr P LEGARE 2006/11/14

Appr P LEGARE 2006/11/14

Product family

Spec ref

FCI

SUB MALE DM HE501 series

with straight solder contact

catalog no

deg no

C01-8637-1738

Rev. B

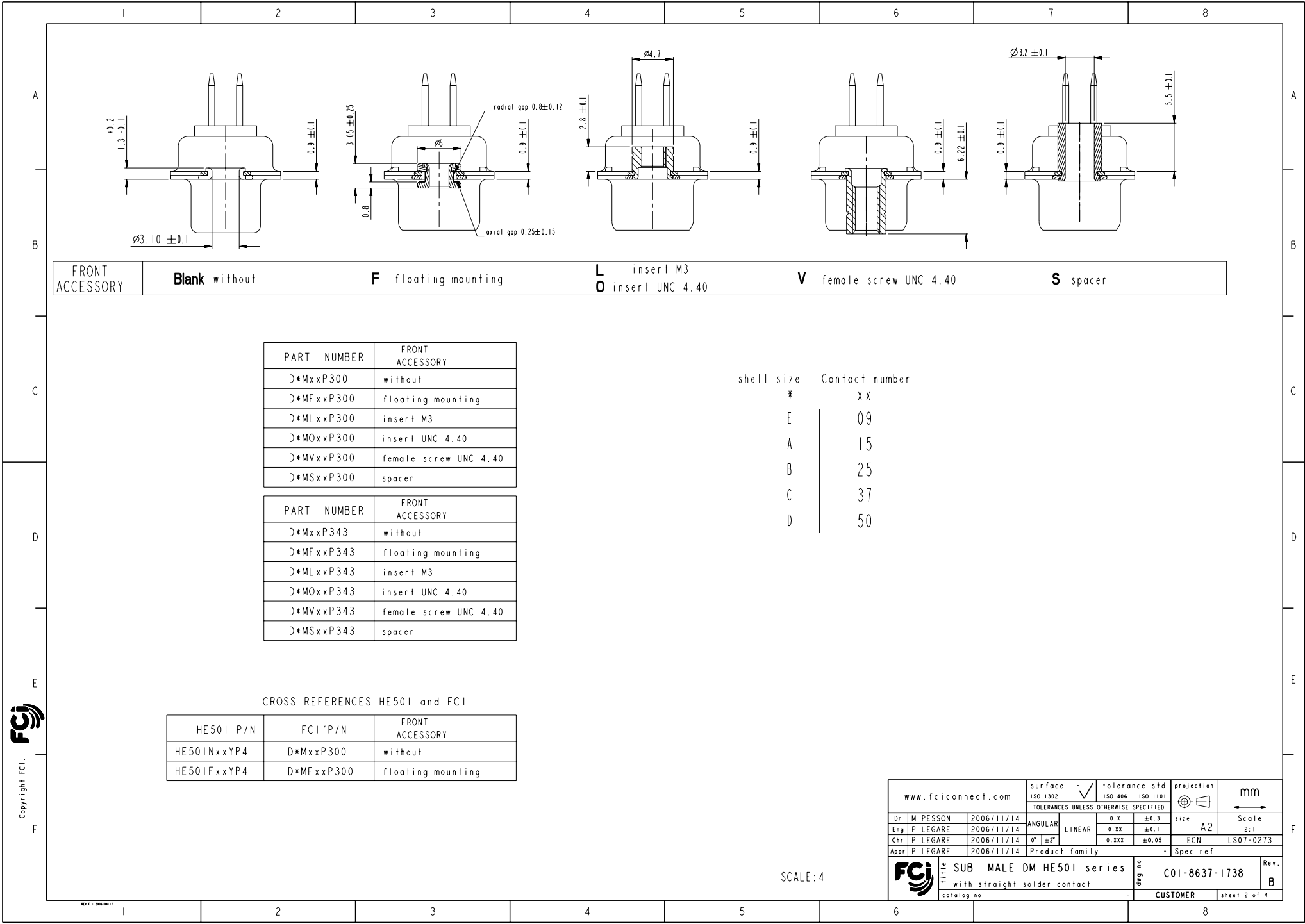
CUSTOMER

sheet 1 of 4

PDM:Rev:B

STATUS:Released

Printed: Jun 18, 2015

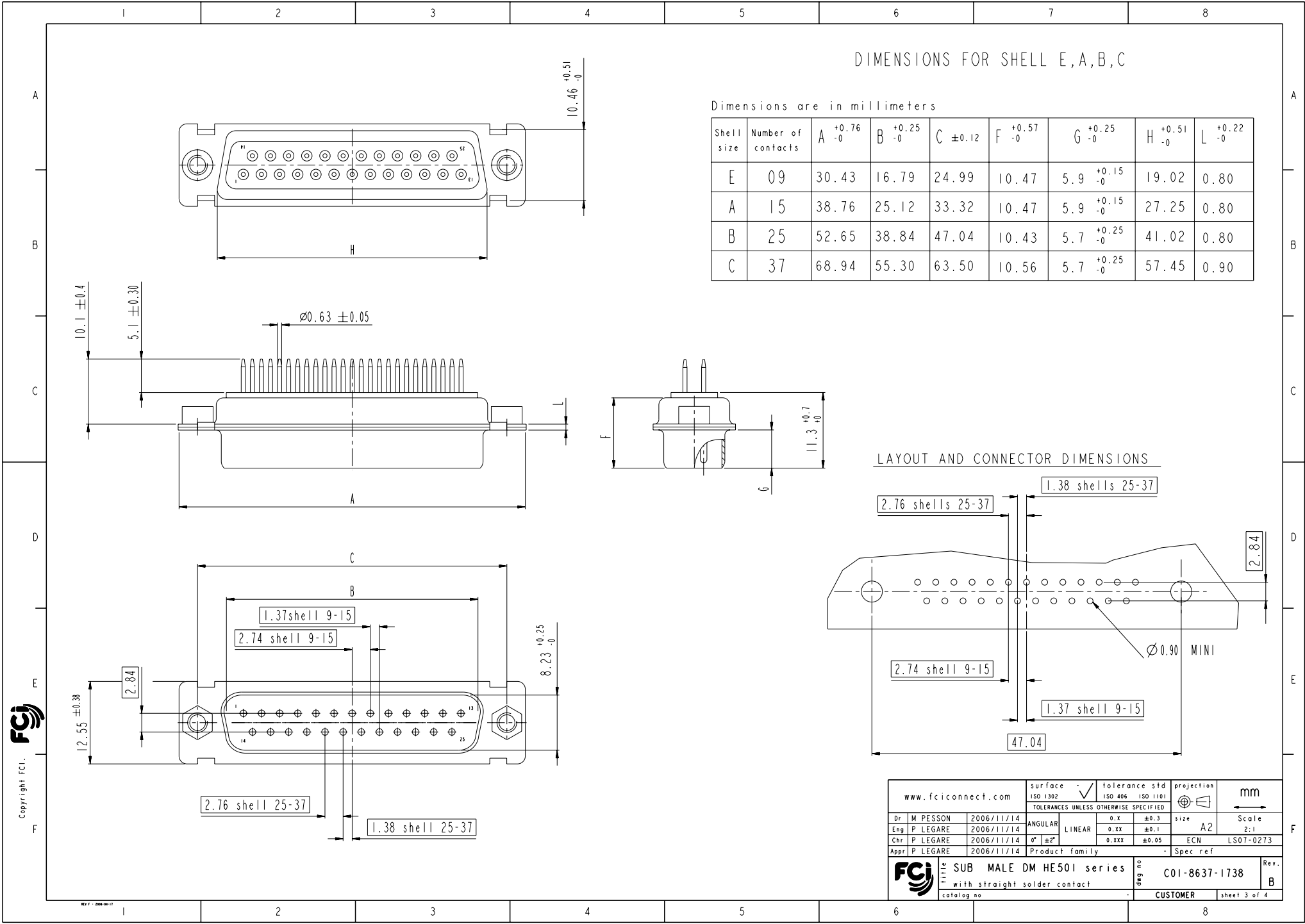


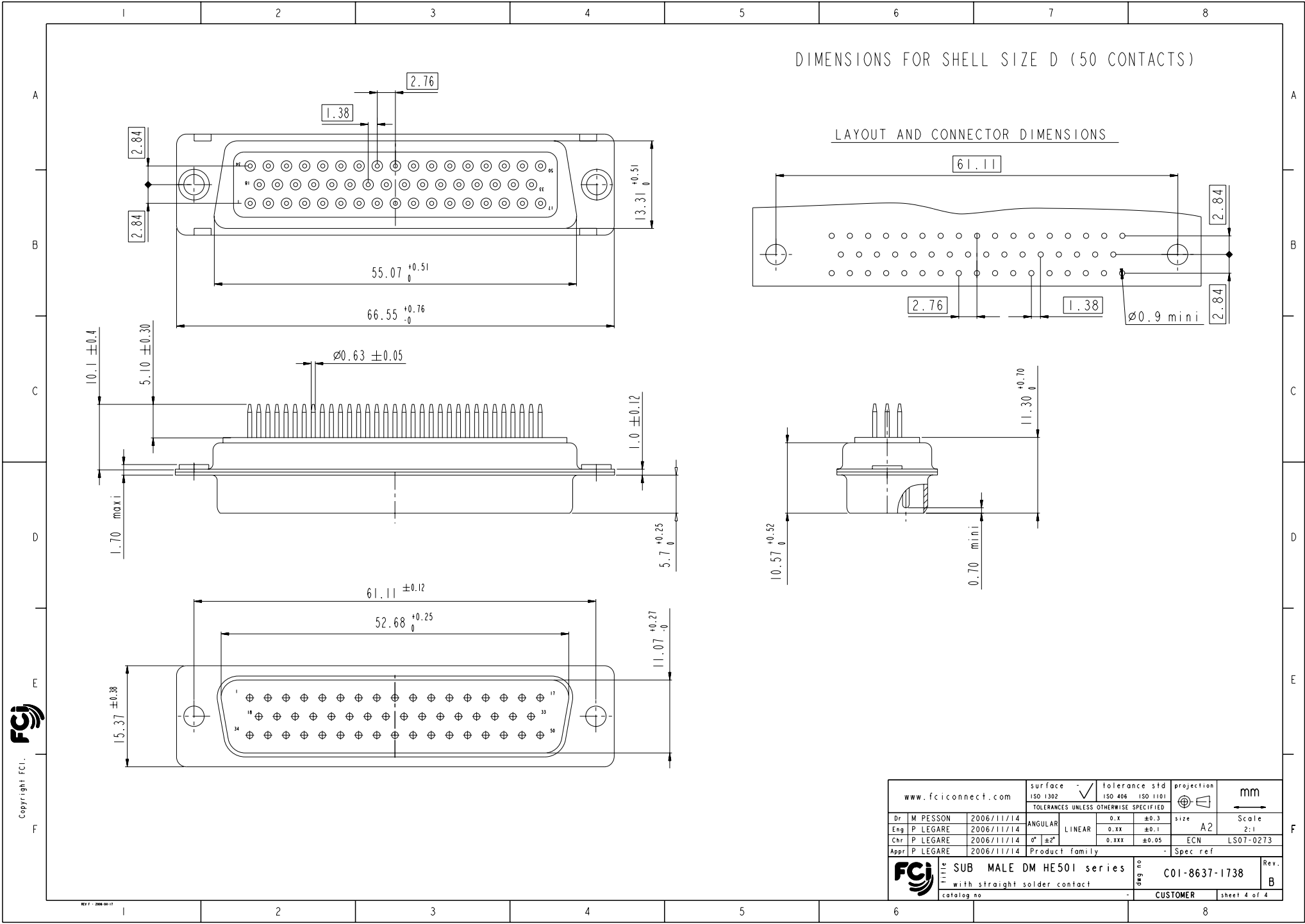
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REV 7 - 2006-04-17

SCALE: 4

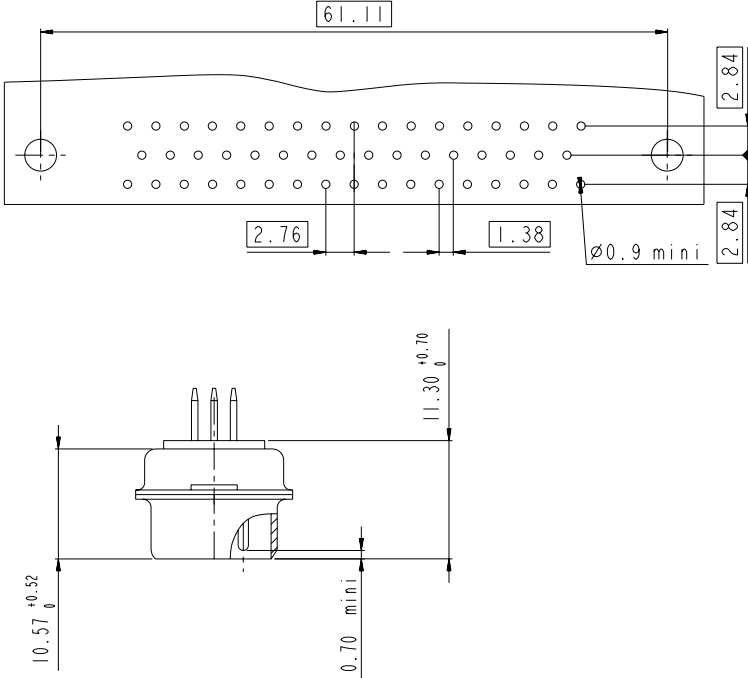
www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3		A2	2:1
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1			
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05		ECN	LS07-0273
Appr	P LEGARE	2006/11/14	Product family		Spec ref			
SUB MALE DM HE501 series		with straight solder contact		C01-8637-1738		Rev. B		
catalog no				CUSTOMER		sheet 2 of 4		





DIMENSIONS FOR SHELL SIZE D (50 CONTACTS)

LAYOUT AND CONNECTOR DIMENSIONS



www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	M PESSON	2006/11/14	ANGULAR	0.X	± 0.3	size	A2	Scale
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	± 0.1			2:1
Chr	P LEGARE	2006/11/14	$\phi^{\circ} \pm 2^{\circ}$	0.XXX	± 0.05	ECN	LS07-0273	
Appr	P LEGARE	2006/11/14	Product family					
						Spec ref		
FCI		SUB MALE DM HE501 series		with straight solder contact		deg no	C01-8637-1738	Rev.
						catalog no	CUSTOMER	B
								sheet 4 of 4

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