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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

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

FCI

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25 WAY for Example

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surface

ISO 1302

tolerance std

ISO 406

ISO 1101

projection

mm

tolerances unless otherwise specified

0.X

±0.3

size

A2

Scale

2:1

ANGULAR

0.XX

±0.1

ECN

LS07-0273

LINEAR

0.XXX

±0.05

Spec.ref

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

title

SUB MALE DM HE501 series

deg no

C01-8637-1738

Rev.

B

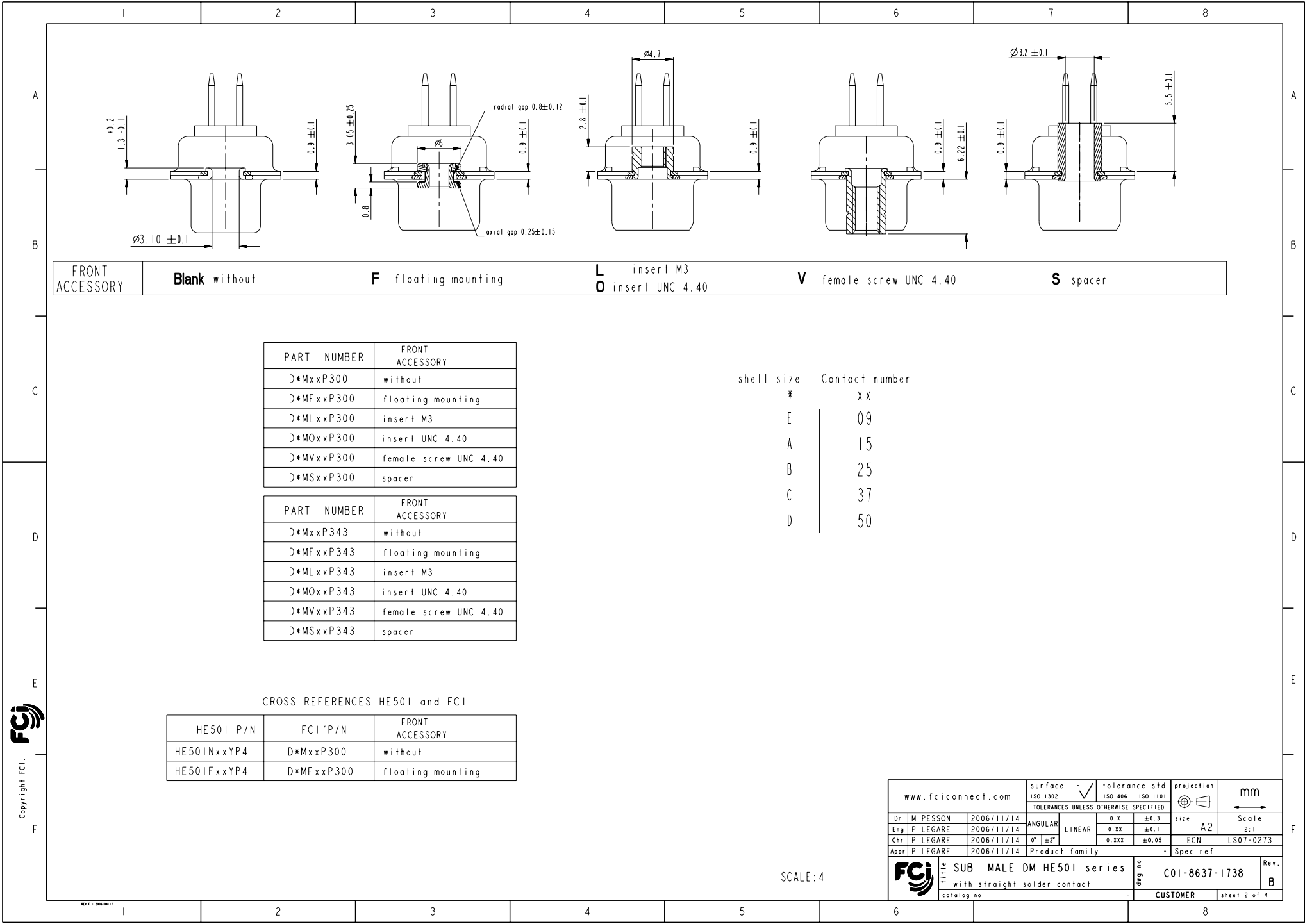
with straight solder contact

catalog no

-

CUSTOMER

sheet 1 of 4



FRONT ACCESSORY	Blank without	F floating mounting	L insert M3 O insert UNC 4.40	V female screw UNC 4.40	S spacer
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PART NUMBER	FRONT ACCESSORY
D*MxxP300	without
D*MFxxP300	floating mounting
D*MLxxP300	insert M3
D*MOxxP300	insert UNC 4.40
D*MVxxP300	female screw UNC 4.40
D*MSxxP300	spacer

PART NUMBER	FRONT ACCESSORY
D*MxxP343	without
D*MFxxP343	floating mounting
D*MLxxP343	insert M3
D*MOxxP343	insert UNC 4.40
D*MVxxP343	female screw UNC 4.40
D*MSxxP343	spacer

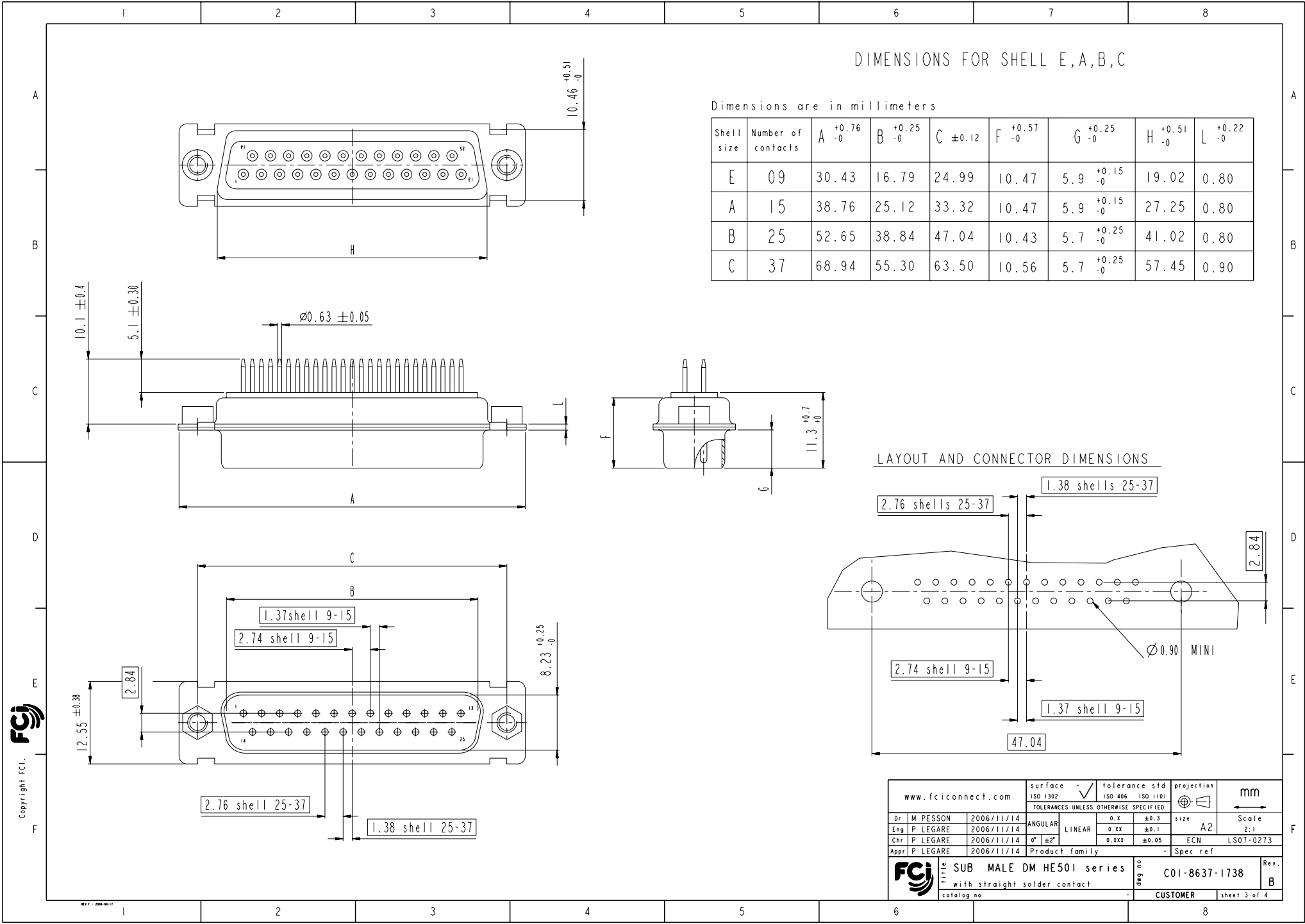
shell size	Contact number
#	XX
E	09
A	15
B	25
C	37
D	50

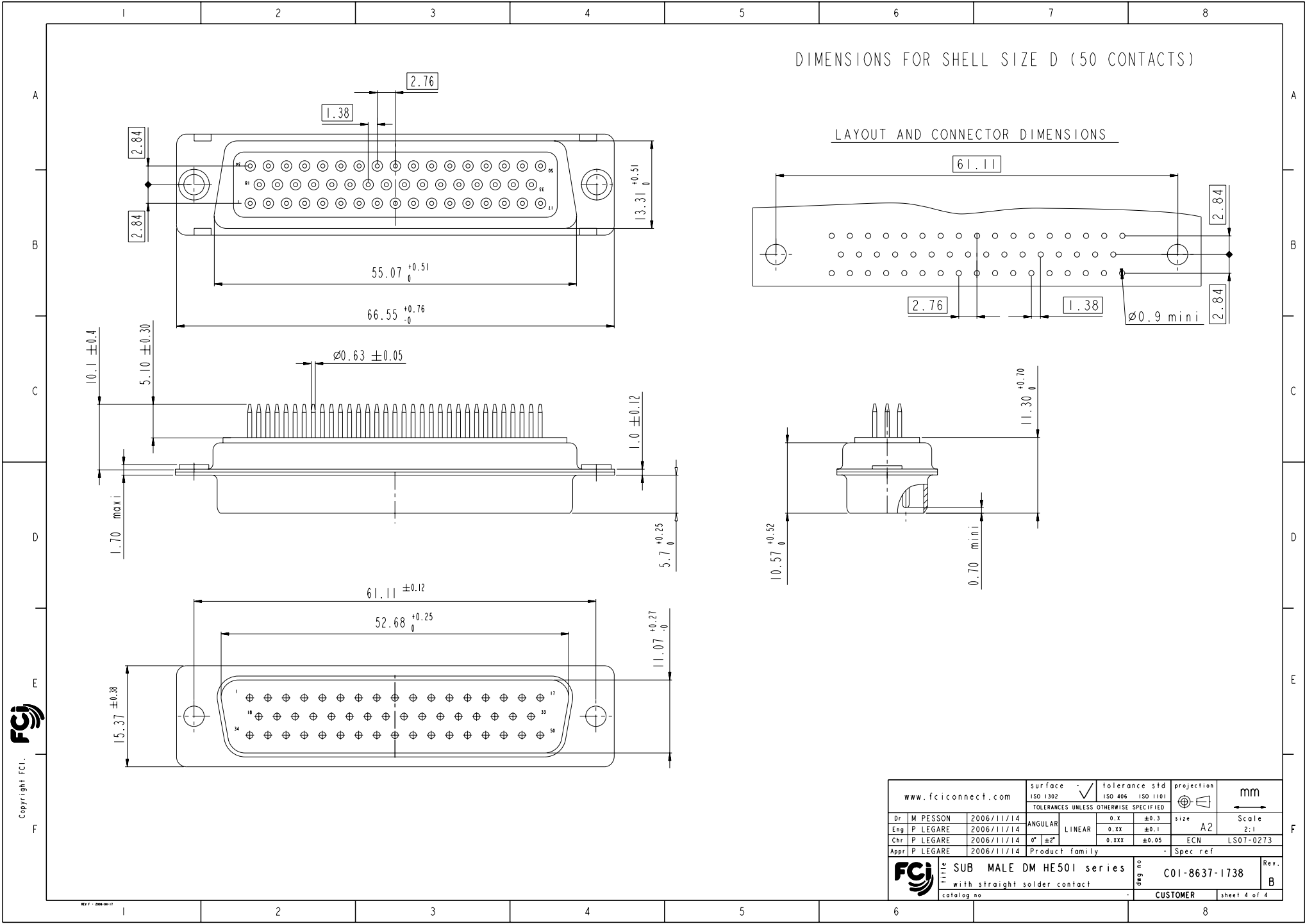
CROSS REFERENCES HE501 and FC1

HE501 P/N	FC1 P/N	FRONT ACCESSORY
HE501NxxYP4	D*MxxP300	without
HE501FxxYP4	D*MFxxP300	floating mounting

SCALE: 4

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





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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	LINEAR	0.X	± 0.3	size	Scale
Eng	P LEGARE	2006/11/14	0.XX		0.XX	± 0.1	A2	2:1
Chr	P LEGARE	2006/11/14	0° $\pm 2^\circ$		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		C01-8637-1738		Rev.
catalog no				CUSTOMER		sheet 4 of 4		B

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

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[DDMF50P300](#) [DDML50P300](#) [DEM09P343](#) [DEMS09P300](#) [DEMV09P300](#) [DEM09P300](#) [DCMV37P300](#)
[DAMO15P300](#) [DDM50P500SP253](#)