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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

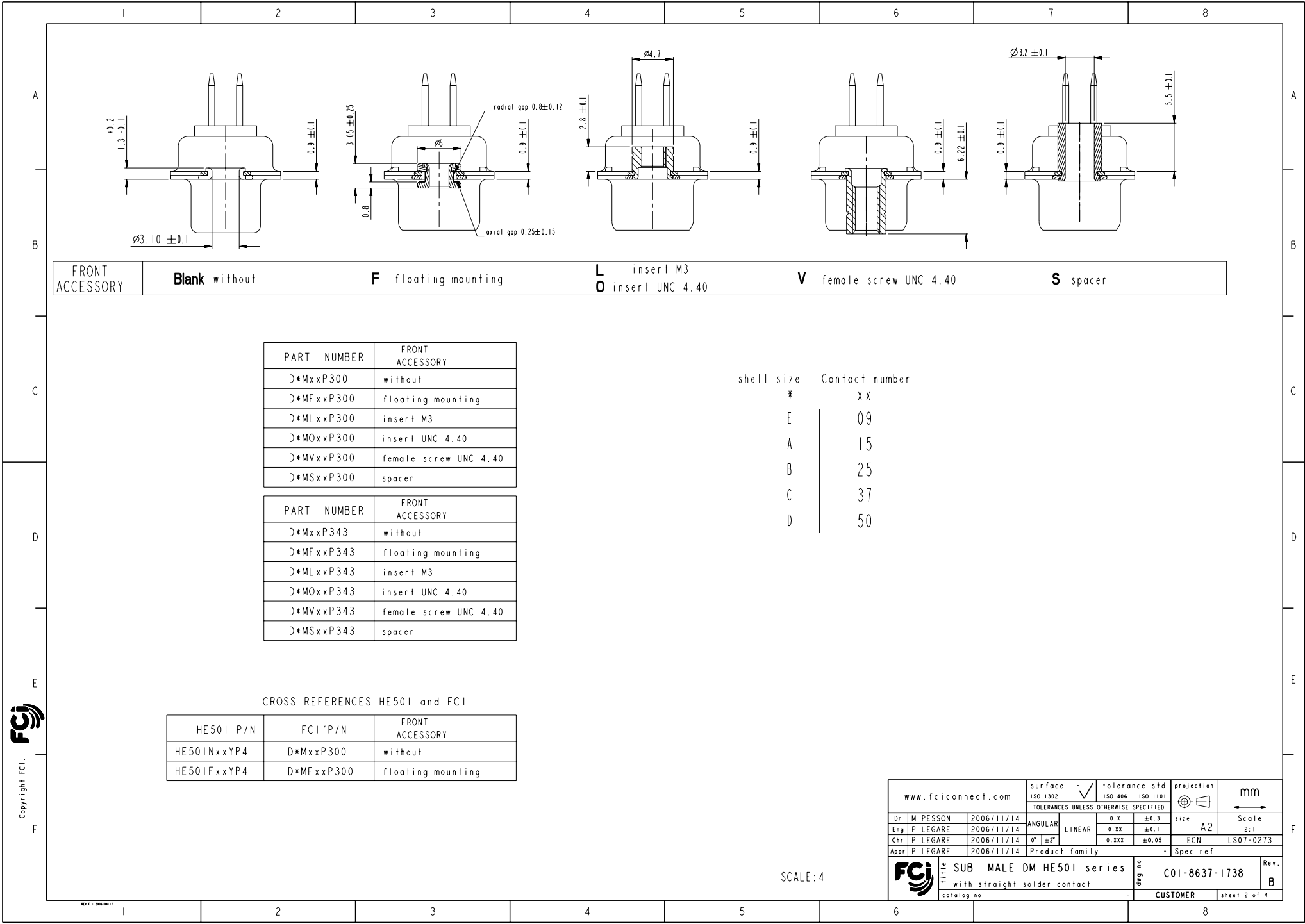
with straight solder contact

catalog no

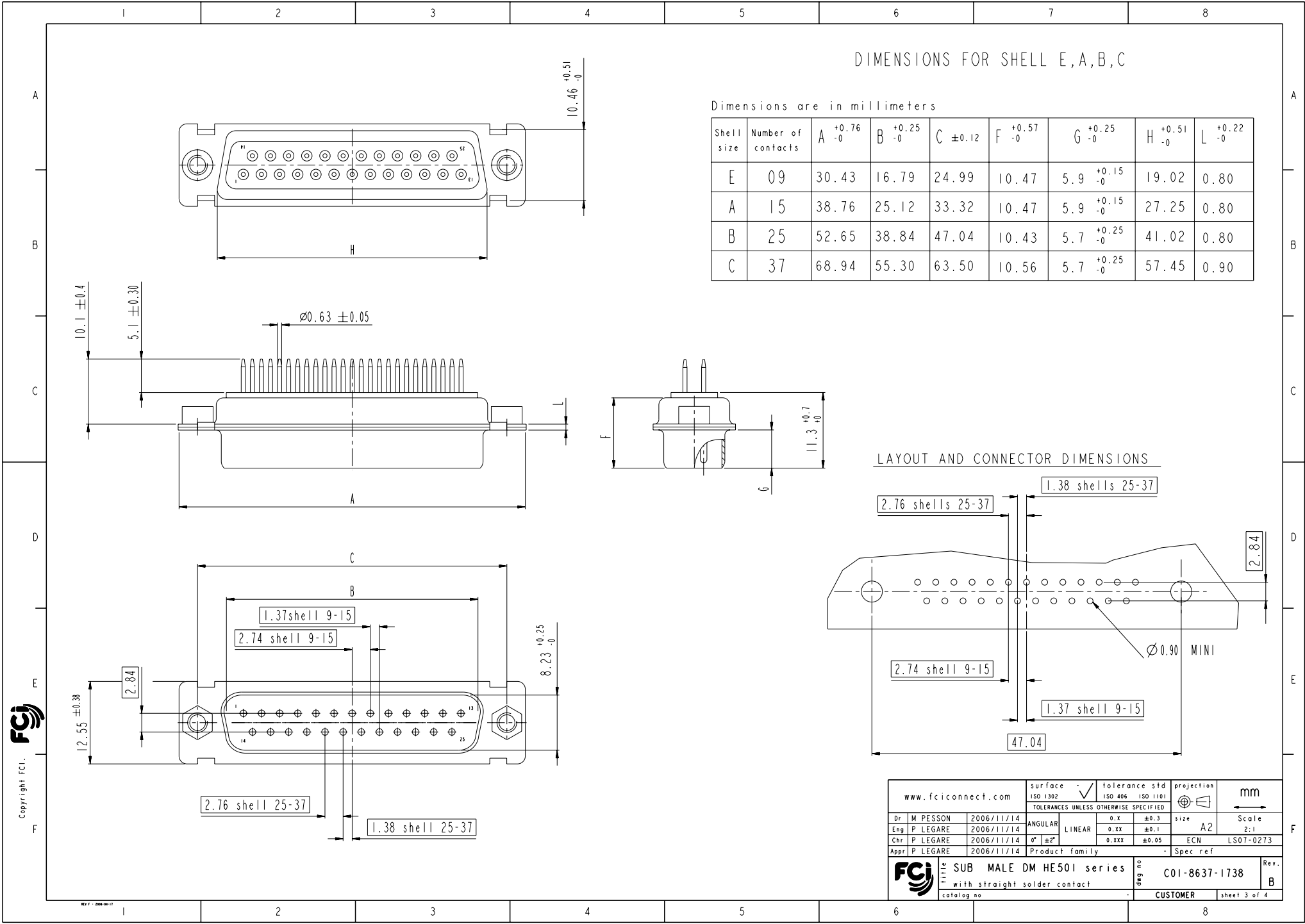
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CUSTOMER

sheet 1 of 4



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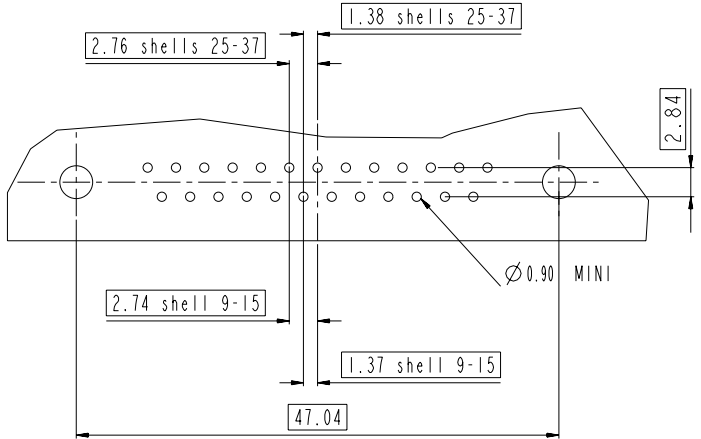


DIMENSIONS FOR SHELL E,A,B,C

Dimensions are in millimeters

Shell size	Number of contacts	A ^{+0.76} ₋₀	B ^{+0.25} ₋₀	C ^{±0.12}	F ^{+0.57} ₋₀	G ^{+0.25} ₋₀	H ^{+0.51} ₋₀	L ^{+0.22} ₋₀
E	09	30.43	16.79	24.99	10.47	5.9 ^{+0.15} ₋₀	19.02	0.80
A	15	38.76	25.12	33.32	10.47	5.9 ^{+0.15} ₋₀	27.25	0.80
B	25	52.65	38.84	47.04	10.43	5.7 ^{+0.25} ₋₀	41.02	0.80
C	37	68.94	55.30	63.50	10.56	5.7 ^{+0.25} ₋₀	57.45	0.90

LAYOUT AND CONNECTOR DIMENSIONS



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	size	Scale
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1	A2	2:1
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				C01-8637-1738		Rev. B	
with straight solder contact				CUSTOMER		sheet 3 of 4	
catalog no							

