



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

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

Product family

-

Spec.ref

-

surface

ISO 1302

tolerance std

ISO 406

ISO 1101

projection

mm

size

A2

Scale

2:1

rev

ecn no

dr

date

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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

-

CUSTOMER

sheet 1 of 4

ISO 1302

tolerance std

ISO 406

ISO 1101

projection

mm

size

A2

Scale

2:1

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sheet 1 of 4

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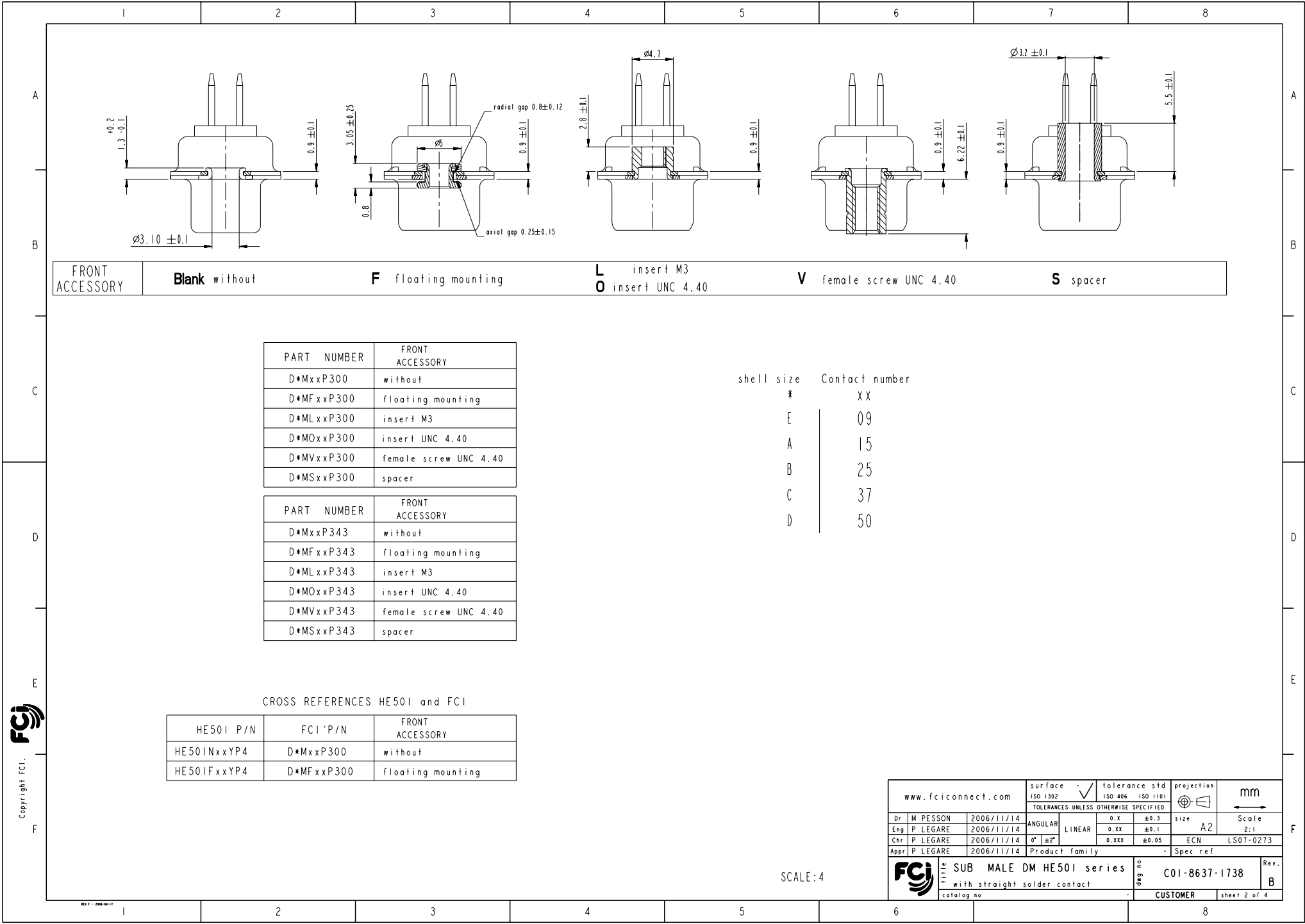
CUSTOMER

sheet 1 of 4

PDM:Rev:3:3

STATUS:Released

Printed: Jun 18, 2015



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

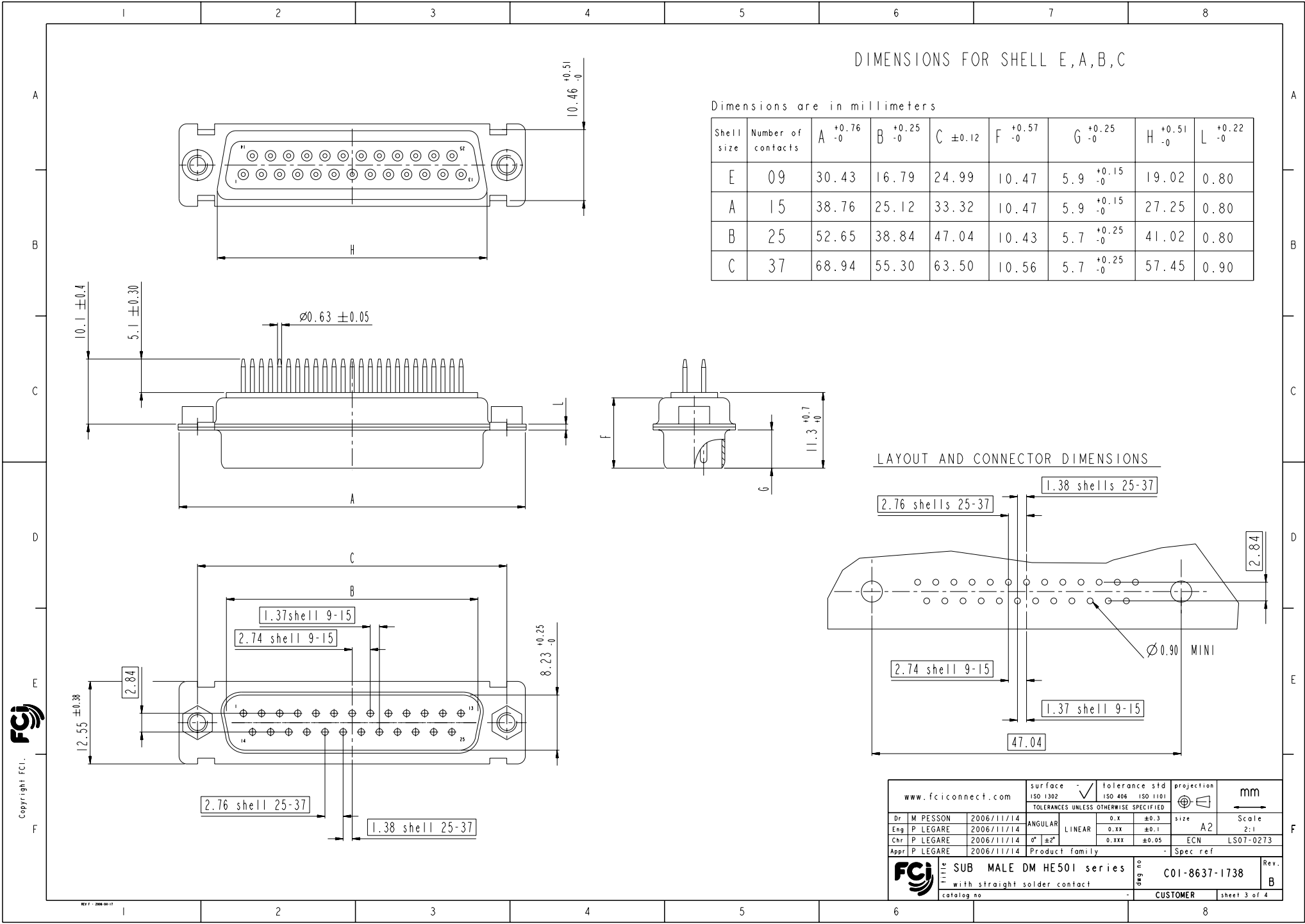
shell size	Contact number
X	XX
E	09
A	15
B	25
C	37
D	50

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

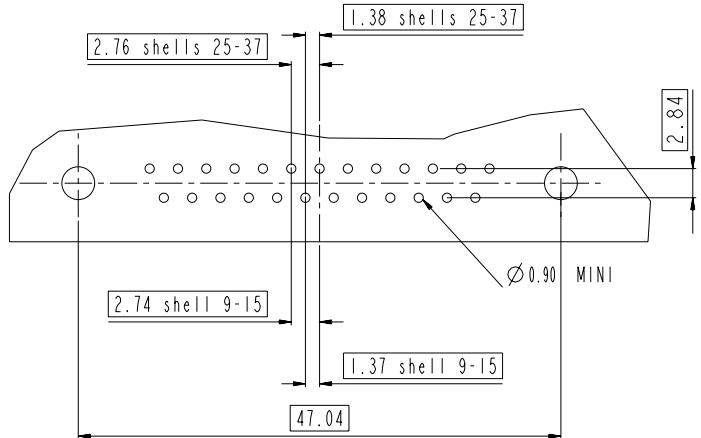


DIMENSIONS FOR SHELL E,A,B,C

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 ISO 1302 ISO 406 ISO 1101		projection 			
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	M PESSON	2006/11/14	ANGULAR		0.X ±0.3	size A2	Scale 2:1	
Eng	P LEGARE	2006/11/14	LINEAR		0.XX ±0.1		ECN LS07-0273	
Chr	P LEGARE	2006/11/14	0° ±2°		0.XXX ±0.05		Spec ref	
Appr	P LEGARE	2006/11/14	Product family			- Spec ref		
			SUB MALE DM HE501 series			C01-8637-1738		Rev. B
with straight solder contact			catalog no			CUSTOMER		sheet 3 of 4

