

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

DBML25P400

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

Contact number (see sheet 2)

9,15,25,37,50

Contacts

P :Pin

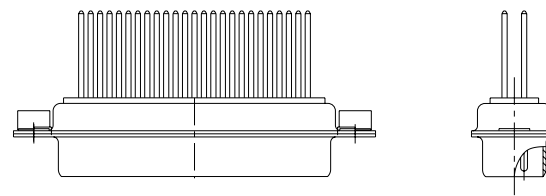
Termination type

4 3 level wire wrap contact

Plating

00 : 500 matings/unmatings

43 : 500 matings/unmatings for harsh environment



25 WAY for Example

rev	ecn no	dr	date
A	LS06-0174	MPE	2006/11/14
B	LS07-0273	MPE	2007/10/30
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

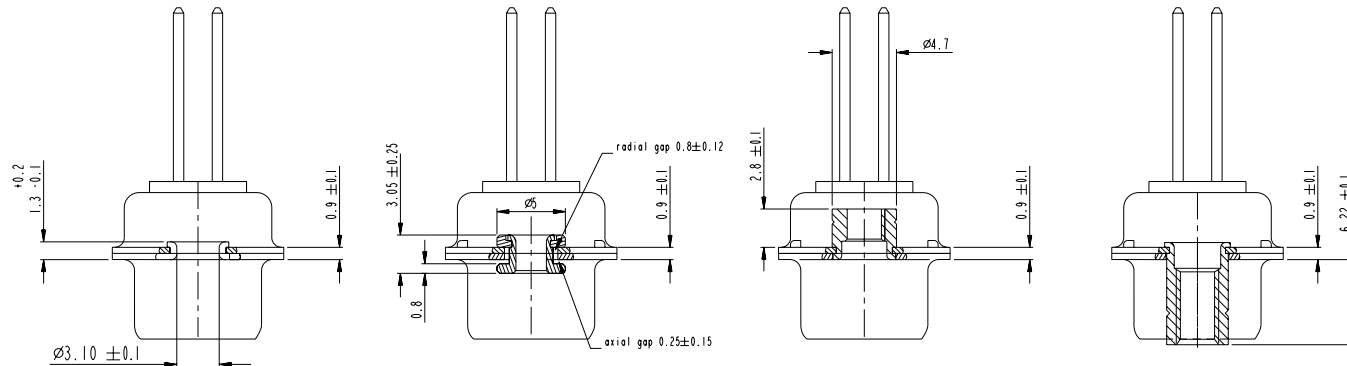
www.fciconnect.com		surface	-	tolerance std	ISO 1302	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	M PESSON	2006/11/14	ANGULAR	LINEAR	0.X	±0.3	size	A2	Scale
Eng	P LEGARE	2006/11/14			0.XX	±0.1			
Chr	P LEGARE	2006/11/14	0° ±2°			0.XXX	±0.05	ECN	LS07-0273
Appr	P LEGARE	2006/11/14	Product family				Spec.ref		
FCI		SUB MALE DM HE501 series		deg no		C01-8637-1739		Rev.	
		with 3 level wire wrap contact						B	
		catalog no				CUSTOMER		sheet 1 of 4	

1 2 3 4 5 6 7 8

A

B

C



FRONT ACCESSORY	Blank without	F floating mounting	L insert M3 O insert UNC 4.40	V female screw UNC 4.40
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D

PART NUMBER	FRONT ACCESSORY
D*MxxP443	without
D*MFxxP443	floating mounting
D*MLxxP443	insert M3
D*MOxxP443	insert UNC 4.40
D*MVxxP443	female screw UNC 4.40

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

PART NUMBER	FRONT ACCESSORY
D*MxxP400	without
D*MFxxP400	floating mounting
D*MLxxP400	insert M3
D*MOxxP400	insert UNC 4.40
D*MVxxP400	female screw UNC 4.40

E

CROSS REFERENCES HE501 and FCI

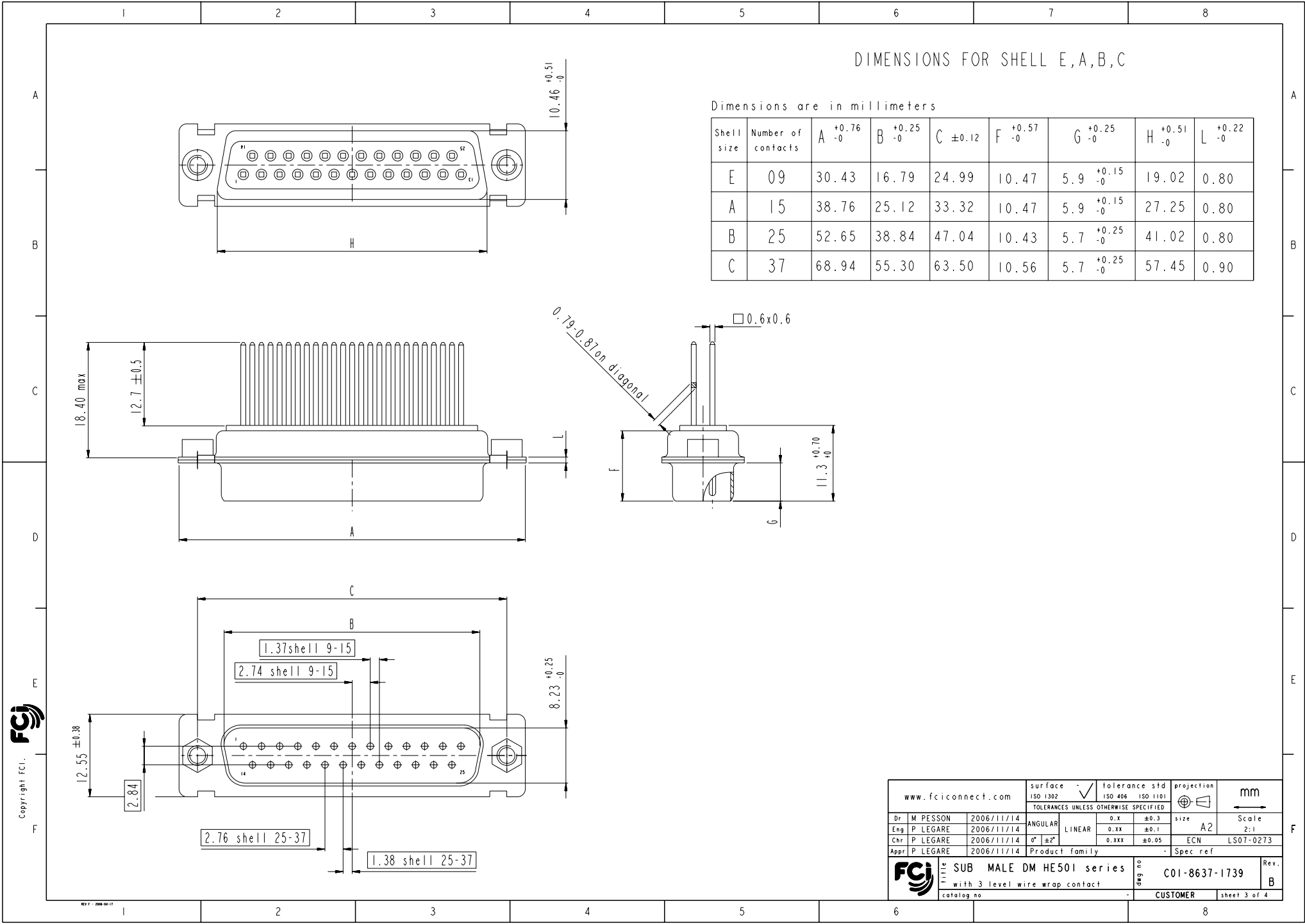
HE501 P/N	FCI P/N	FRONT ACCESSORY
HE501NxxKP3	D*MxxP400	without
HE501FxxKP3	D*MFxxP400	floating mounting

F

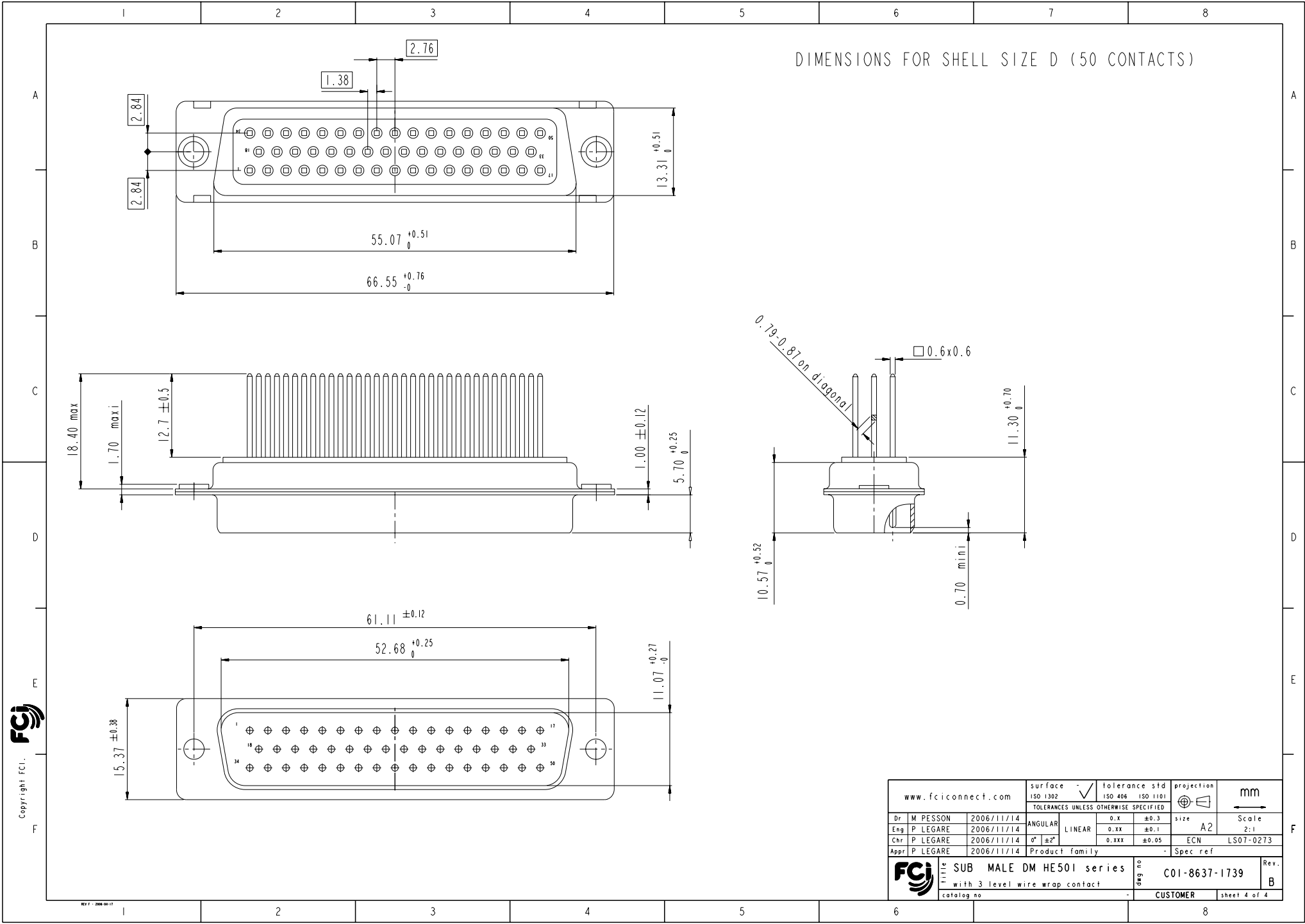
SCALE: 4

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	size A2
Eng	P LEGARE	2006/11/14	LINEAR	0.XX ±0.1	Scale 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
FCI SUB MALE DM HE501 series		with 3 level wire wrap contact		Rev. B	
catalog no		C01-8637-1739		CUSTOMER sheet 2 of 4	

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www.fciconnect.com			surface - ☒ tolerance std ISO 1302 ISO 406 ISO 1101		projection 		mm 		
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	M PESSON	2006/11/14	ANGULAR	LINEAR	0.X	± 0.3	size A2	Scale 2:1	
Eng	P LEGARE	2006/11/14			0.XX	± 0.1			
Chr	P LEGARE	2006/11/14			0.XXX	± 0.05			
Appr	P LEGARE	2006/11/14	Product family				Spec ref		
			SUB MALE DM HES01 series				C01-8637-1739		
			with 3 level wire wrap contact				Rev. B		
catalog no			CUSTOMER				sheet 3 of 4		



DIMENSIONS FOR SHELL SIZE D (50 CONTACTS)

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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	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	0° $\pm 2°$	0.XXX	± 0.05	ECN	LS07-0273	
Appr	P LEGARE	2006/11/14	Product family			Spec ref		
FCi		SUB MALE DM HE501 series		C01-8637-1739		Rev.		B
		with 3 level wire wrap contact		CUSTOMER		sheet 4 of 4		
		catalog no						

Mouser Electronics

Authorized Distributor

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