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REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 501)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC UL94V0

-CONTACT MATERIAL: PHOSPHOR BRONZE

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

DBML25S300

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

S :Socket

Termination type

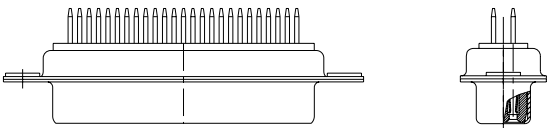
3 :Straight version

Plating

00 : 500 matings/unmatings

43 : 500 matings/unmatings for harsh environment

25 WAY for Example



rev	ecn no	dr	date	Dr	M PESSON	2006/11/06	surface	-	tolerance std	projection	mm
A	LS06-0174	MPE	2006/11/06	Eng	P LEGARE	2006/11/06	ANGULAR	LINEAR	0.X ±0.3	size	A2
B	LS07-0273	MPE	2007/10/30	Chr	P LEGARE	2006/11/06	0° ±2°		0.XX ±0.1	Scale	2:1
-	-	-	-	Appr	P LEGARE	2006/11/06			0.XXX ±0.05	ECN	LS07-0273
-	-	-	-				Product family			Spec.ref	

FCI

title

SUB FEMALE DM HE501 series

with straight solder contact

catalog no

deg no

C01-8637-1734

Rev.

B

www.fciconnect.com

ISO 1302

tolerances UNLESS OTHERWISE SPECIFIED

ISO 406

ISO 1101

ISO 1101

size A2 | Scale | 2:1 || ECN | LS07-0273 | Spec.ref | |

REV 7 - 2006-04-17

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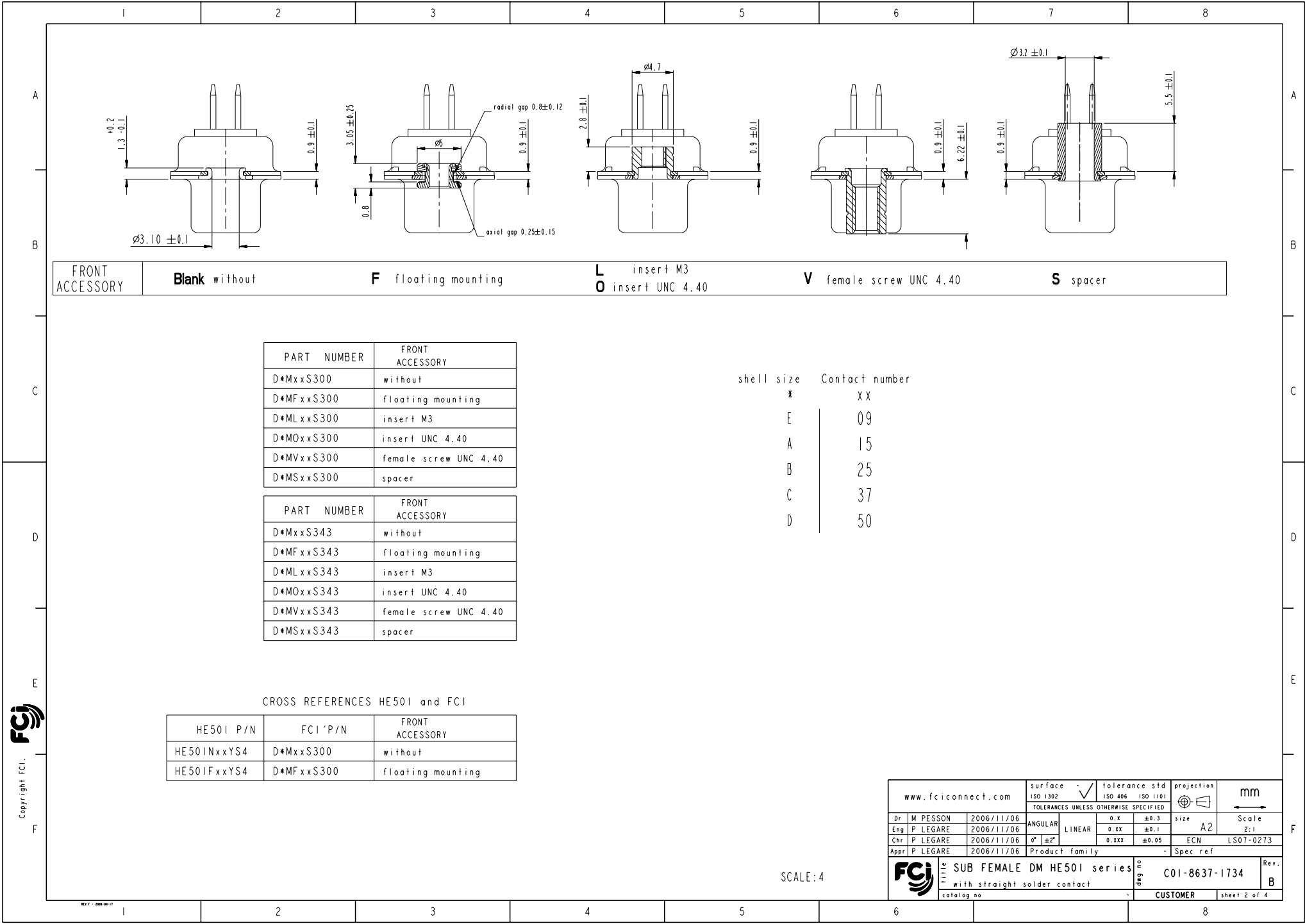
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PDM:Rev:B STATUS:Released Printed: Jun 18, 2015



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*MxxS300	without
D*MFxxS300	floating mounting
D*MLxxS300	insert M3
D*MOxxS300	insert UNC 4.40
D*MVxxS300	female screw UNC 4.40
D*MSxxS300	spacer

PART NUMBER	FRONT ACCESSORY
D*MxxS343	without
D*MFxxS343	floating mounting
D*MLxxS343	insert M3
D*MOxxS343	insert UNC 4.40
D*MVxxS343	female screw UNC 4.40
D*MSxxS343	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
HE501NxxYS4	D*MxxS300	without
HE501FxxYS4	D*MFxxS300	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			
Dr	M PESSON	2006/11/06	ANGULAR	0.X	±0.3
Eng	P LEGARE	2006/11/06	LINEAR	0.XX	±0.1
Chr	P LEGARE	2006/11/06	0° ±2°	0.XXX	±0.05
Appr	P LEGARE	2006/11/06	Product family	ECN LS07-0273	
				Spec ref	
FCI		SUB FEMALE DM HE501 series with straight solder contact		Rev. B	
catalog no				CUSTOMER	sheet 2 of 4

