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REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 508)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOSET UL94V0

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: 55/155/56

TEMPERATURE RANGE -55°C TO +155°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

DBML25P043N

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

Plating

Blank :solder bucket 500 matings/unmatings

043 :solder bucket 500 matings/unmatings

for harsh environment

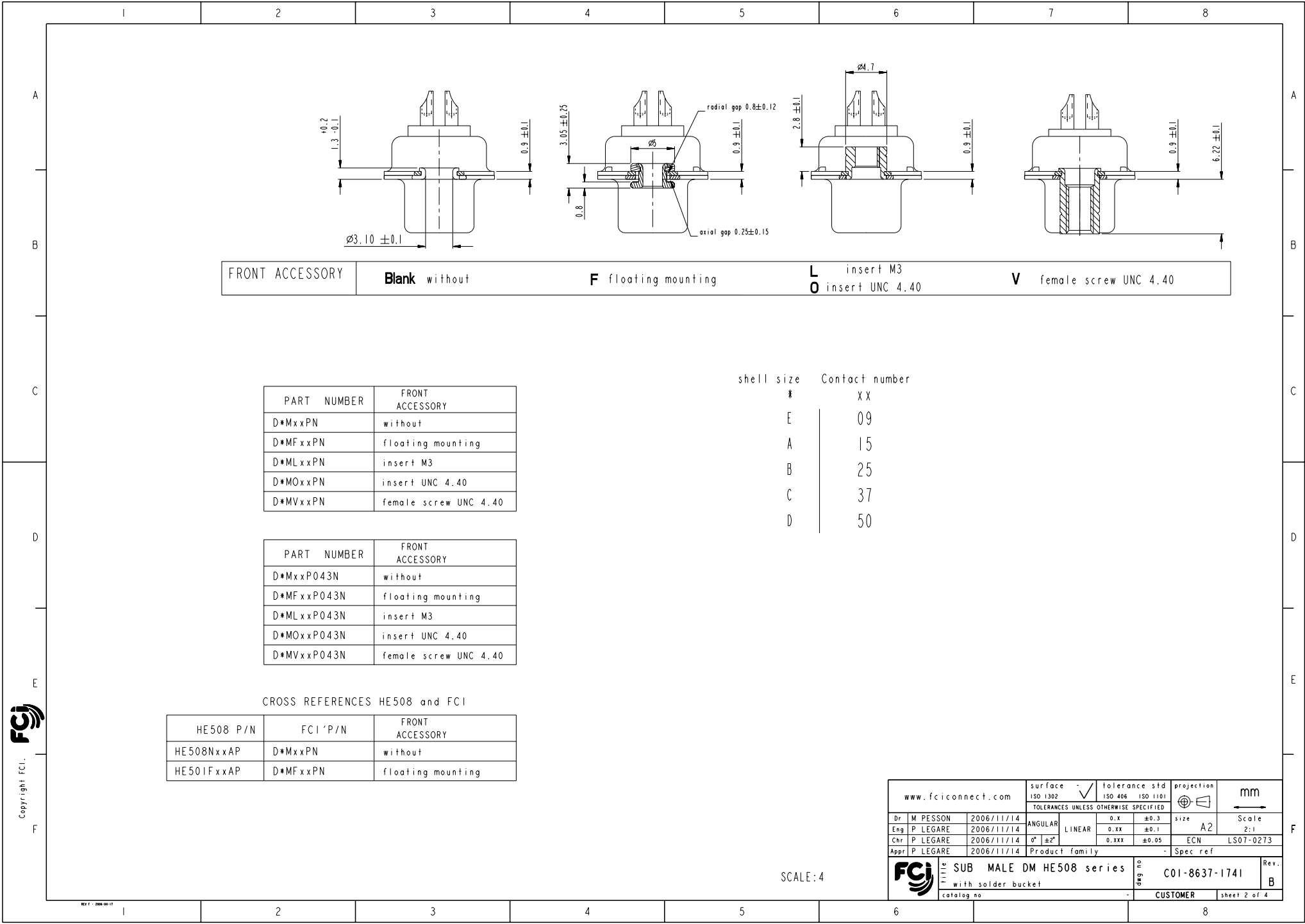
Obligatory for HE508

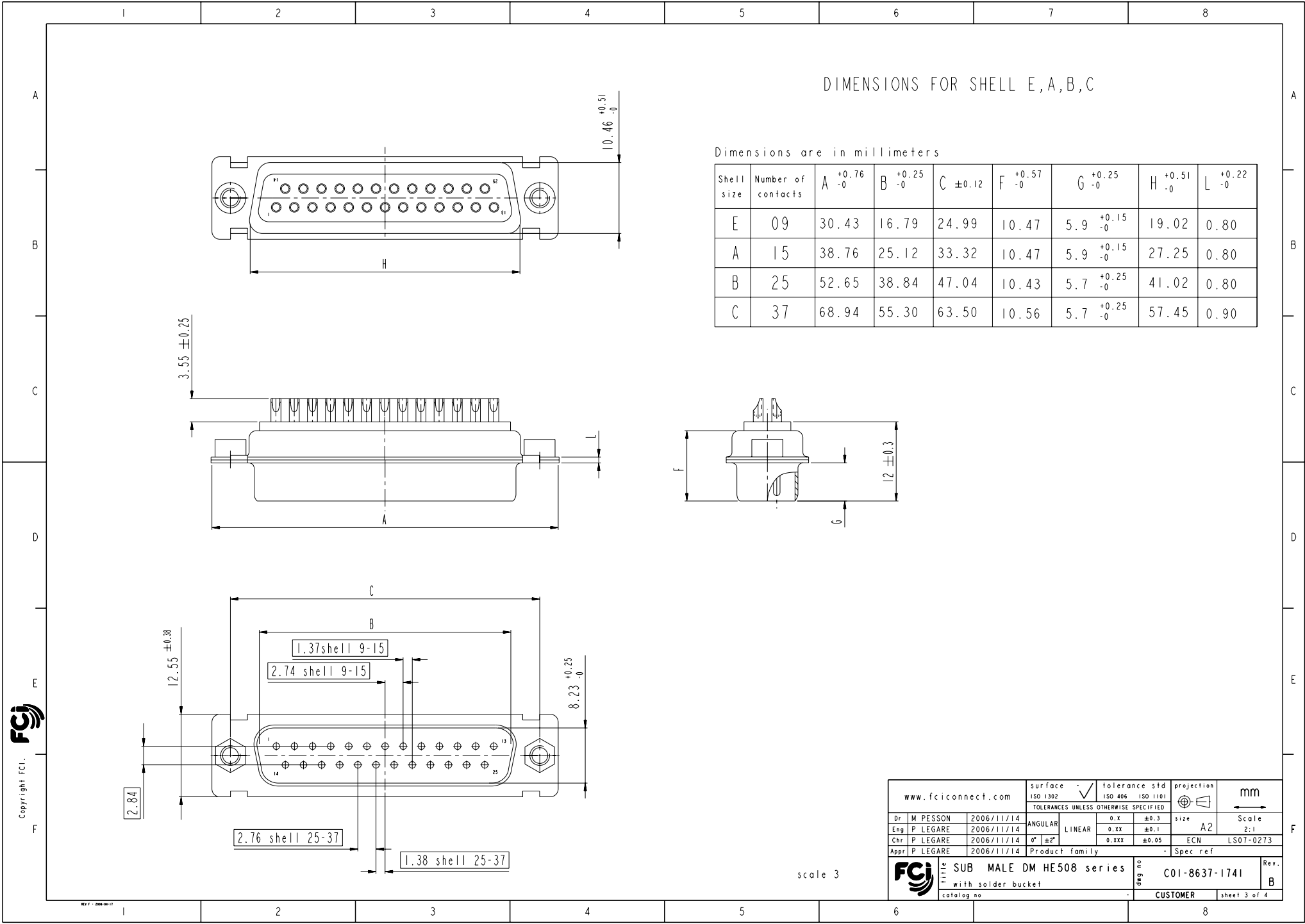
25WAY for Example

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	size	A2
			ECN	LS07-0273
			Spec ref	
FCI	SUB MALE DM HE508 series	deg no	C01-8637-1741	Rev.
	with solder bucket			B
catalog no		CUSTOMER	sheet 1 of 4	

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REV 7 - 2006-04-17



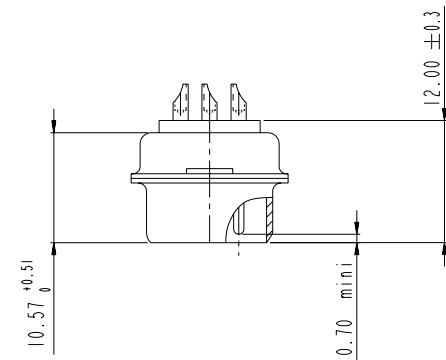
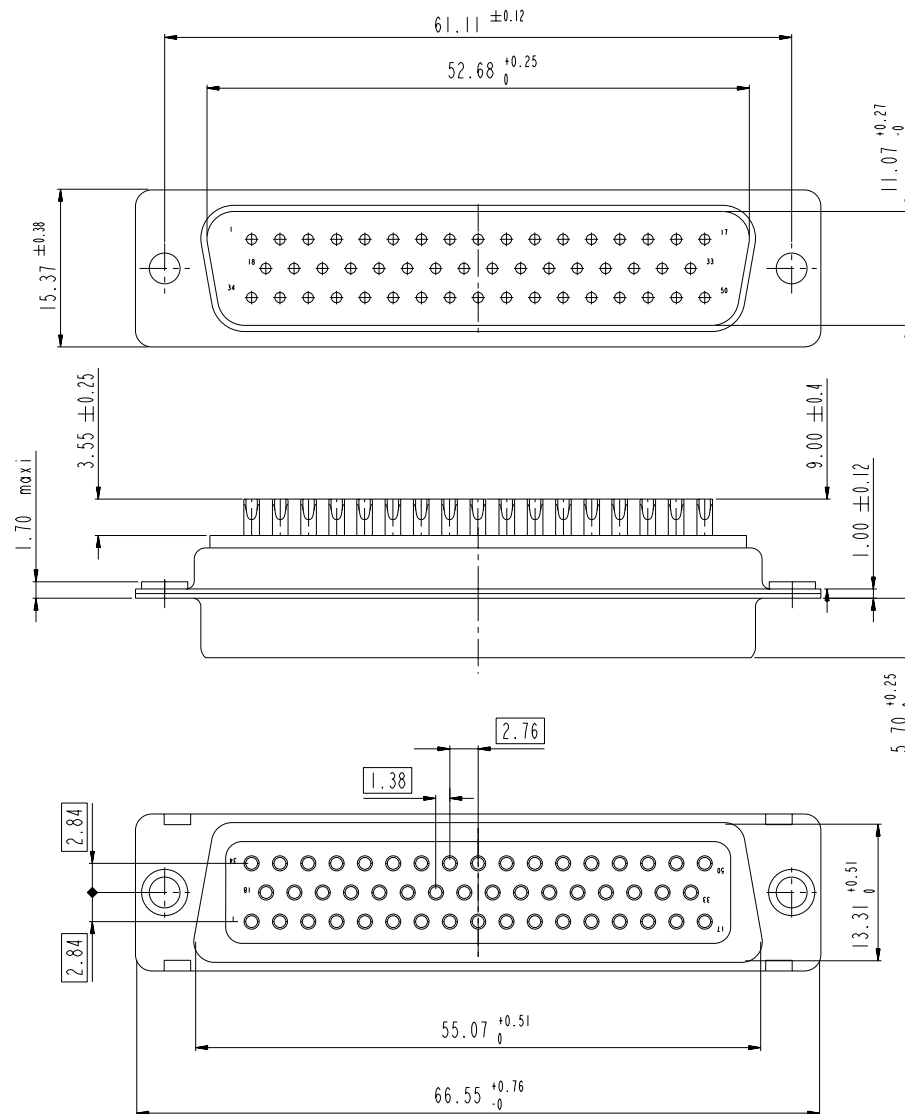


DIMENSIONS FOR SHELL E,A,B,C

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

DIMENSIONS FOR SHELL SIZE D (50 CONTACTS)



scale 3

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° ±	±0.05		
Appr	P LEGARE	2006/11/14	Product family			- Spec ref		
 SUB MALE DM HE508 series with solder bucket catalog no			dag no C01-8637-1741		Rev. B			
-			- CUSTOMER		sheet 4 of 4			

Mouser Electronics

Authorized Distributor

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FCI:

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