

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

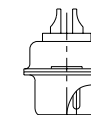
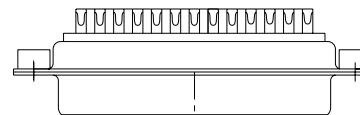
P Pin

Plating

Blank : solder bucket 500 matings/unmatings

043 : solder bucket 500 matings/unmatings
for harsh environment

Obligatory for HE508



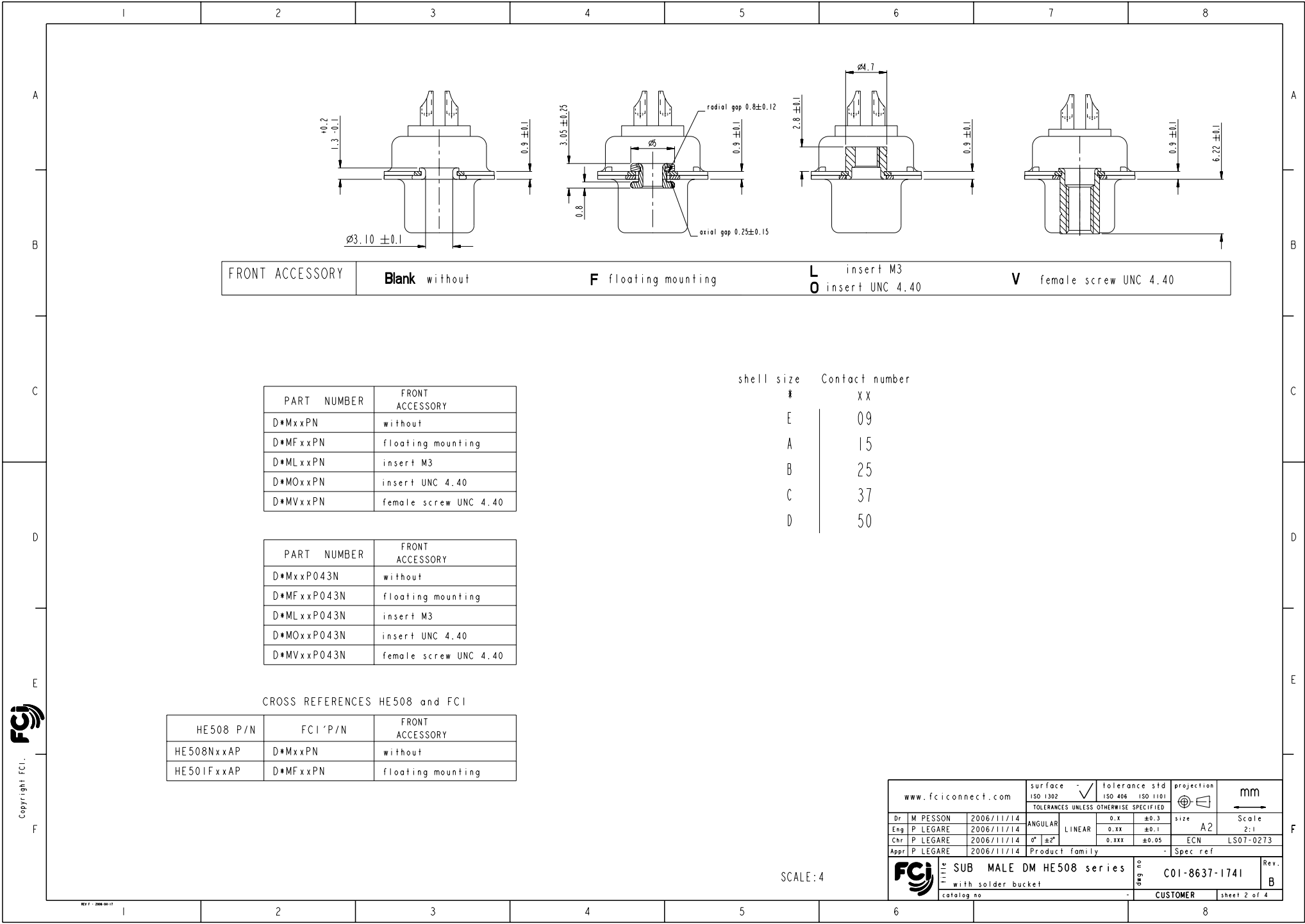
25WAY for Example

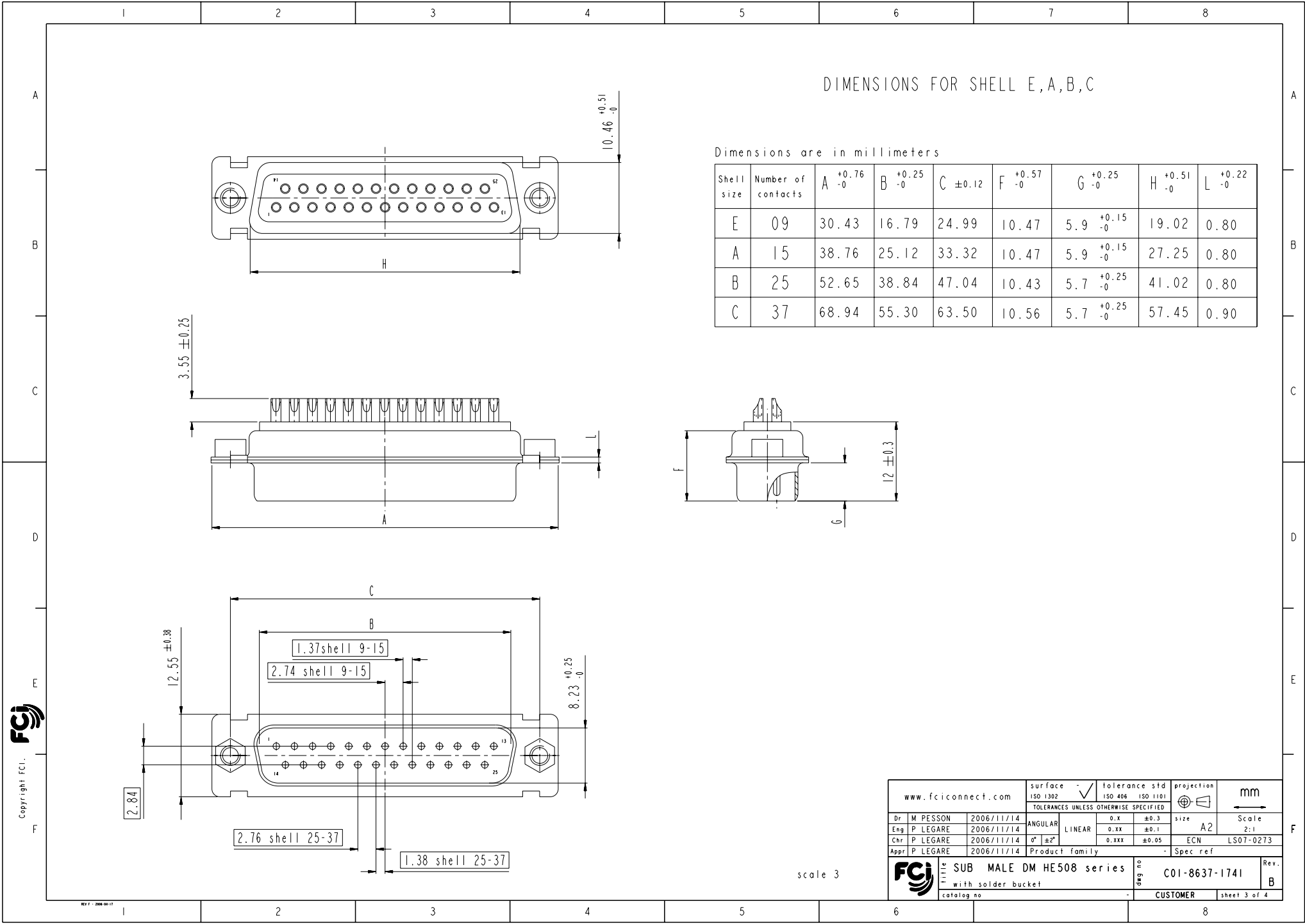
rev	ecn no	dr	date
A	LS06-0174	MPE	2006/11/14
B	LS07-0273	MPE	2007/10/30
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface	-	tolerance std	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		
FCI		SUB MALE DM HE508 series		deg no	C01-8637-1741		
		with solder bucket			Rev. B		
		catalog no			CUSTOMER	sheet 1 of 4	



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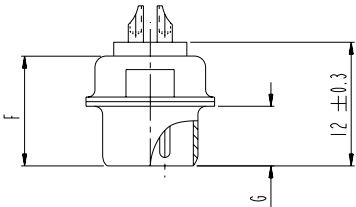







DIMENSIONS FOR SHELL E,A,B,C

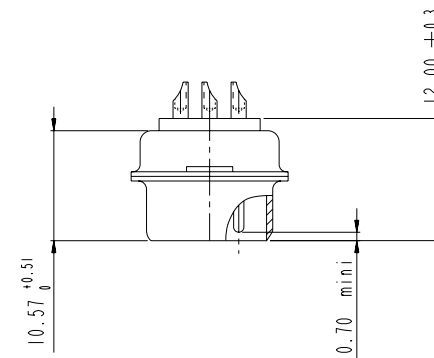
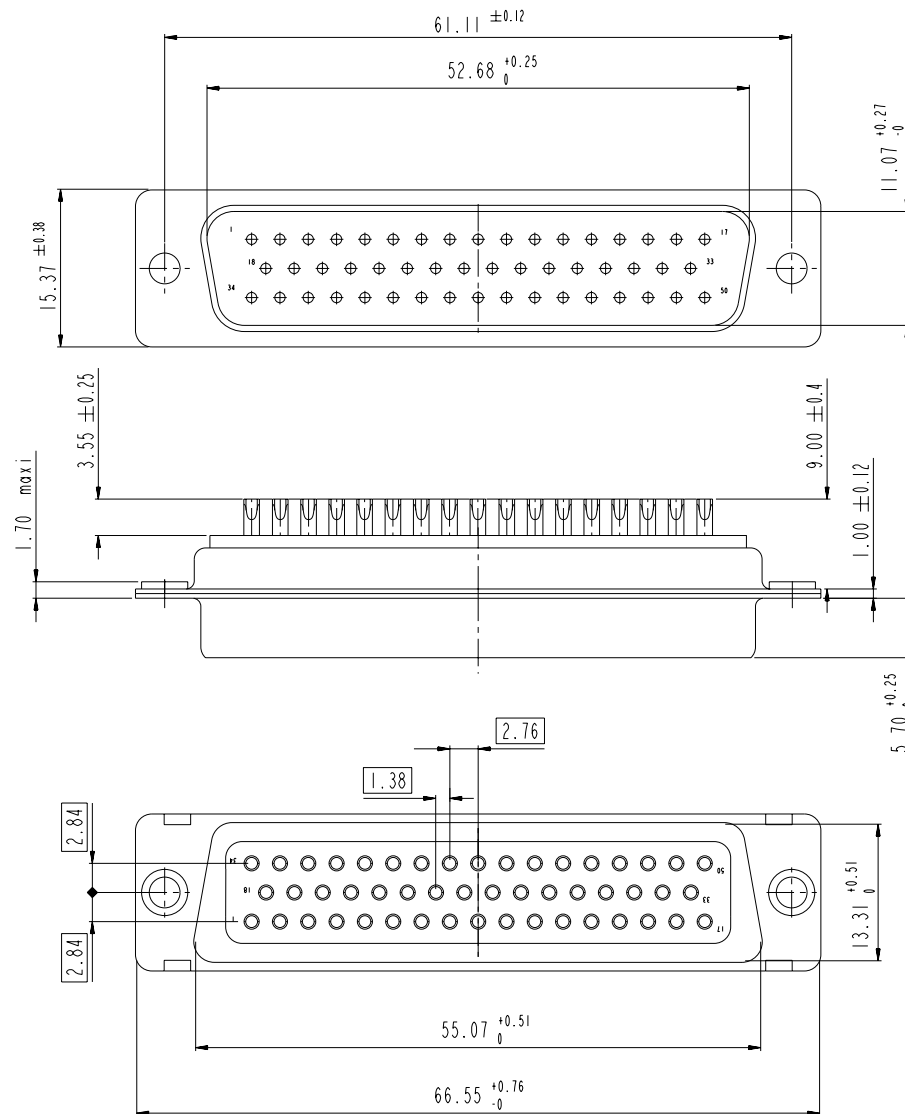
Dimensions are in millimeters

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



www.fciconnect.com			surface <input checked="" type="checkbox"/> 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		ECN	LS07-0273		
					- Spec ref			
		SUB MALE DM HE508 series			deg no	C01-8637-1741		Rev.
		with solder bucket						B
catalog no		-		CUSTOMER			sheet 3 of 4	

DIMENSIONS FOR SHELL SIZE D (50 CONTACTS)



scale 3

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	LINEAR	0.X	±0.3	size		
Eng	P LEGARE	2006/11/14			0.XX	±0.1	A2		
Chr	P LEGARE	2006/11/14	0° ±2°		0.XXX	±0.05	ECN	LS07-0273	Scale 2:1
Appr	P LEGARE	2006/11/14	Product family			Spec ref			
			SUB MALE DM HE508 series			C01-8637-1741			Rev. B
Title with solder bucket			catalog no			CUSTOMER			sheet 4 of 4