

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 508)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOSET 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: 55/155/56

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

DBML25S043N

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

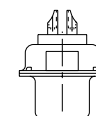
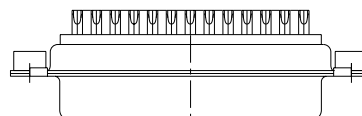
S : Socket

Plating

Blank : solder bucket 500 matings/unmatings

043 : solder bucket 500 matings/unmatings
for harsh environment

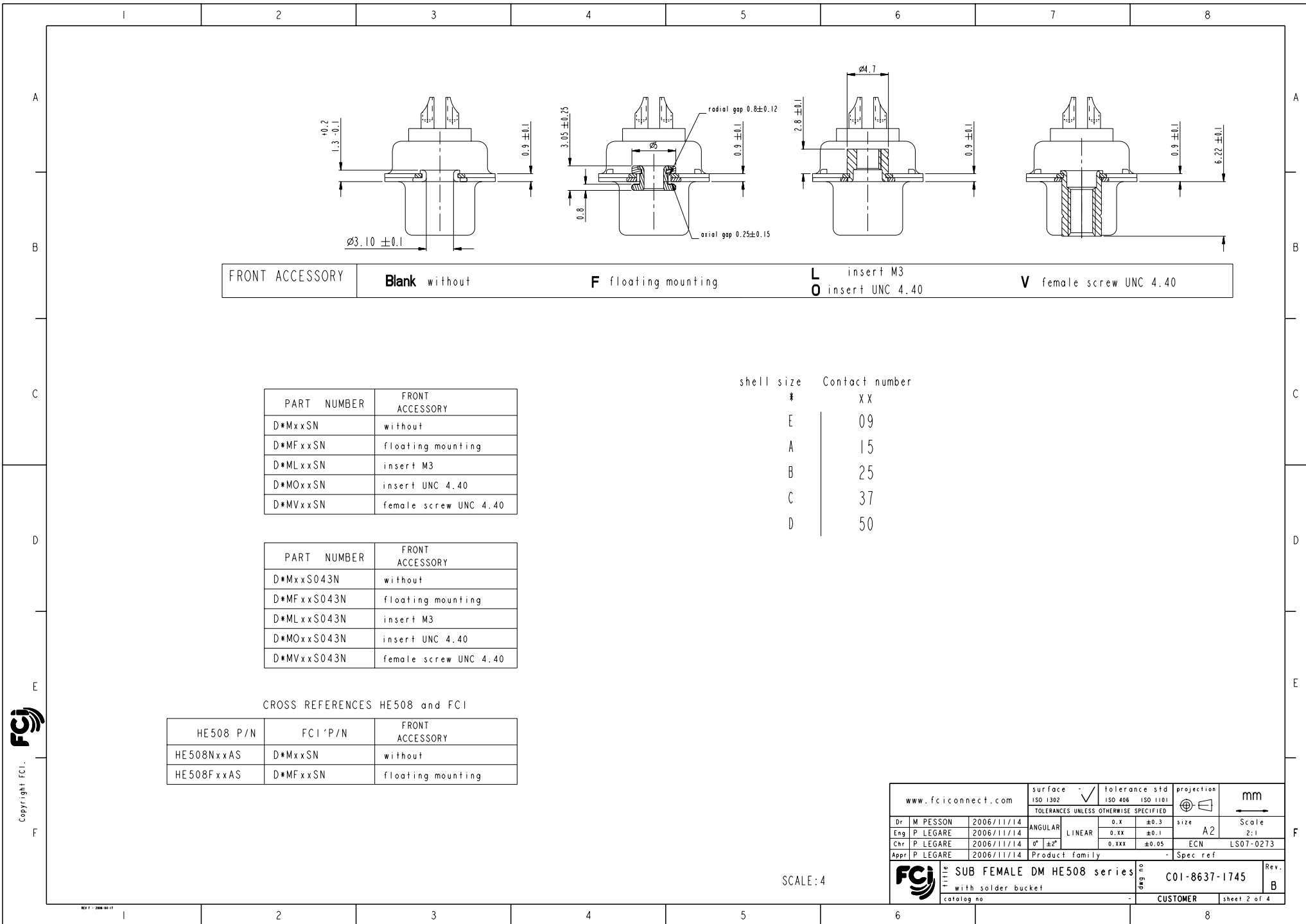
Obligatory for HE508

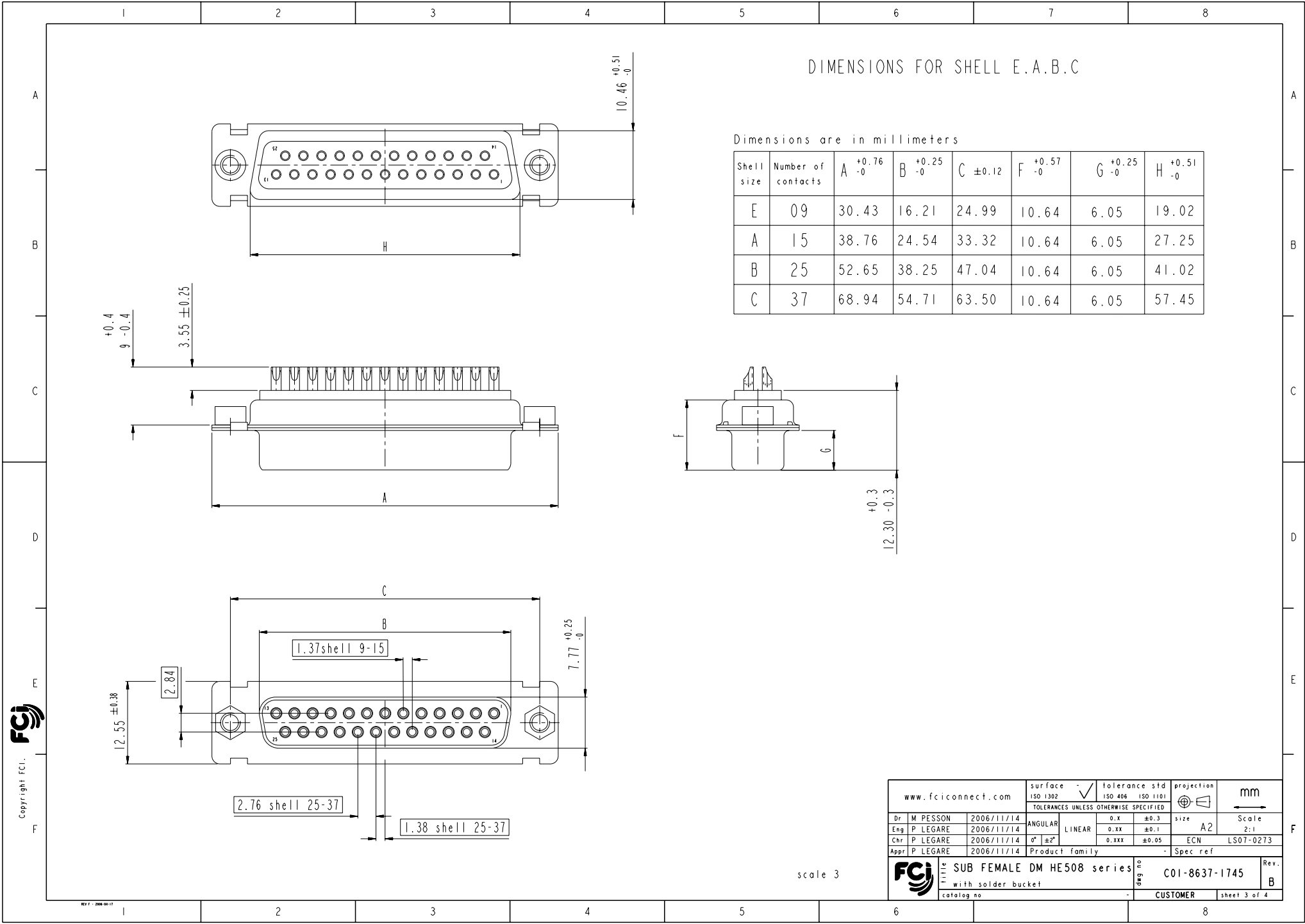


25 WAY for Example

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	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° ±2°	0.XXX	±0.05	ECN	LS07-0273	
Appr	P LEGARE	2006/11/14	Product family		-		Spec ref	
FCI			SUB FEMALE DM HE508 series		C01-8637-1745		Rev	
with solder bucket							B	
catalog no.					CUSTOMER		Sheet 1 of 1	

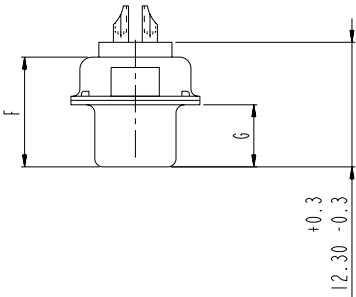




DIMENSIONS FOR SHELL E.A.B.C

Dimensions are in millimeters

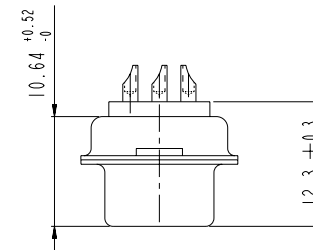
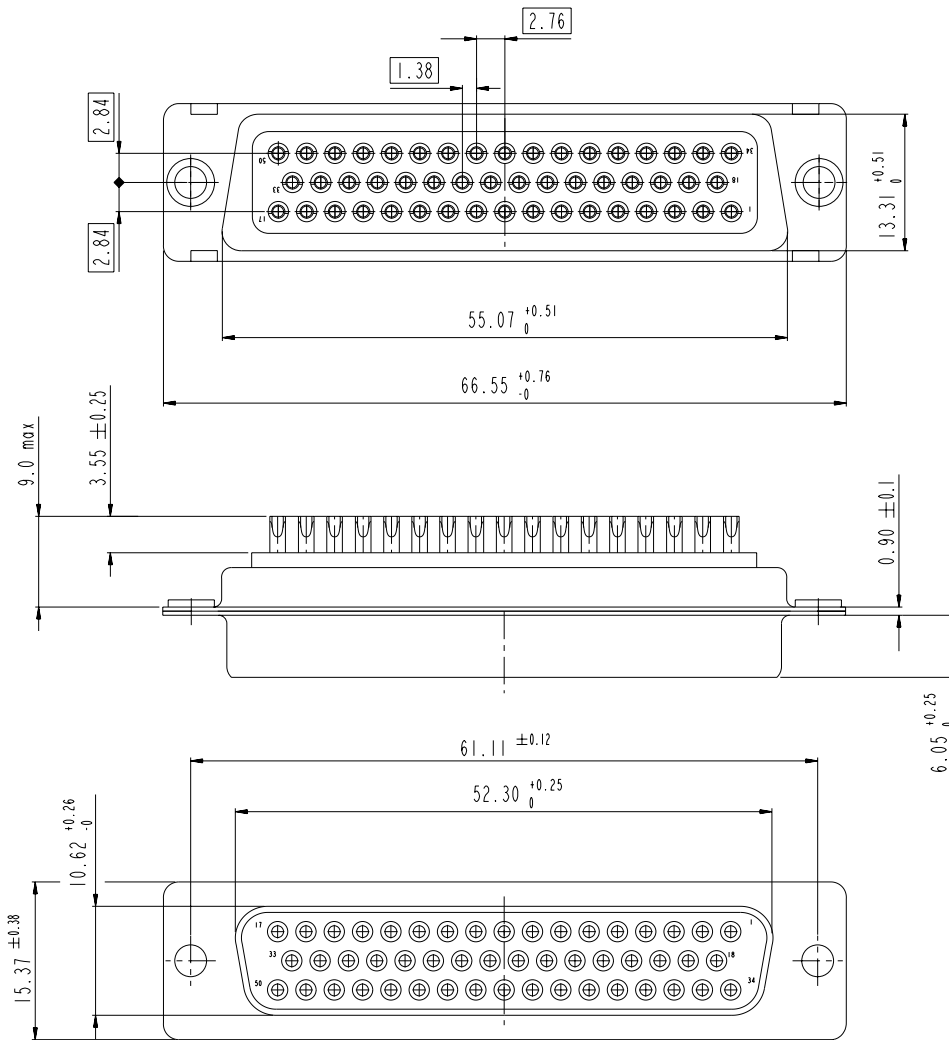
Shell size	Number of contacts	A ^{+0.76 -0}	B ^{+0.25 -0}	C ^{±0.12}	F ^{+0.57 -0}	G ^{+0.25 -0}	H ^{+0.51 -0}
E	09	30.43	16.21	24.99	10.64	6.05	19.02
A	15	38.76	24.54	33.32	10.64	6.05	27.25
B	25	52.65	38.25	47.04	10.64	6.05	41.02
C	37	68.94	54.71	63.50	10.64	6.05	57.45



www.fciconnect.com			surface ☒ tolerance std 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 2:1	
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						- Spec ref		
			SUB FEMALE DM HE508 series					C01-8637-1745		Rev. B	
			with solder bucket								
catalog no			-		CUSTOMER				sheet 3 of 4		

scale 3

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° ±2°	0.XXX		
Appr	P LEGARE	2006/11/14	Product family			ECN LS07-0273		
						- Spec ref		
 title SUB FEMALE DM HE508 series with solder bucket catalog no - draw no - customer sheet 4 of 4 Rev. B								