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

DBML25S043N

Series

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

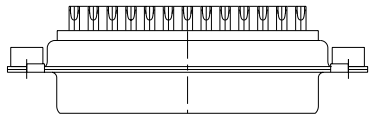
Contacts

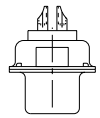
- **S** : Socket

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

Dr	M PESSON	2006/11/14
Eng	P LEGARE	2006/11/14
Chr	P LEGARE	2006/11/14
Appr	P LEGARE	2006/11/14

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surface - ISO 1302 | tolerance std ISO 406 ISO 1101 | projection | mm

TOLERANCES UNLESS OTHERWISE SPECIFIED

ANGULAR		
0° ±2°		
LINEAR	0.X	±0.3
	0.XX	±0.1
	0.XXX	±0.05

size A2 | Scale 2:1

ECN LS07-0273

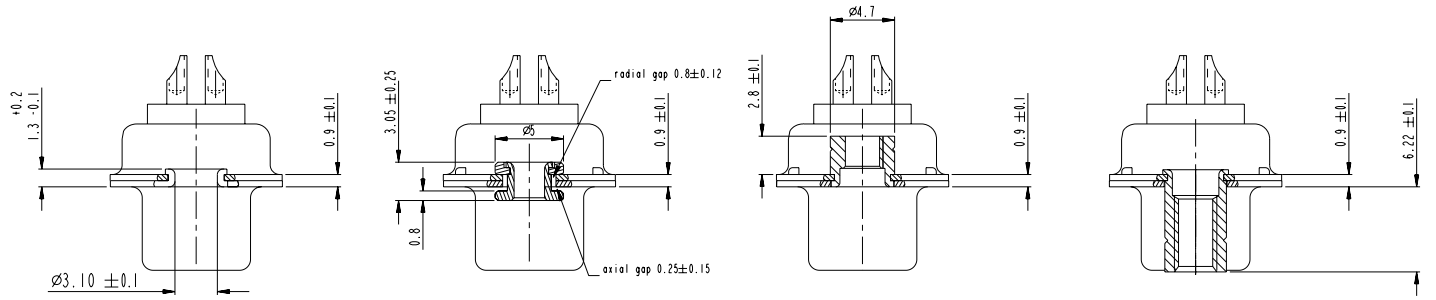
Product family - | Spec ref

title: SUB FEMALE DM HE508 series with solder bucket

dwg no: C01-8637-1745 | Rev. B

catalog no - | CUSTOMER | sheet 1 of 4

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

PART NUMBER	FRONT ACCESSORY
D*MxxSN	without
D*MFxxSN	floating mounting
D*MLxxSN	insert M3
D*MOxxSN	insert UNC 4.40
D*MVxxSN	female screw UNC 4.40

PART NUMBER	FRONT ACCESSORY
D*MxxS043N	without
D*MFxxS043N	floating mounting
D*MLxxS043N	insert M3
D*MOxxS043N	insert UNC 4.40
D*MVxxS043N	female screw UNC 4.40

CROSS REFERENCES HE508 and FCI

HE508 P/N	FCI P/N	FRONT ACCESSORY
HE508NxxAS	D*MxxSN	without
HE508FxxAS	D*MFxxSN	floating mounting

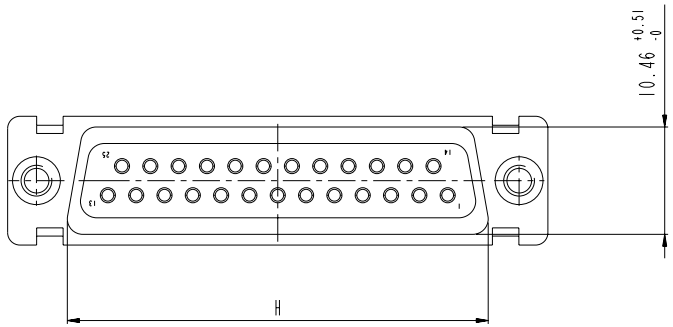
shell size	Contact number
*	XX
E	09
A	15
B	25
C	37
D	50

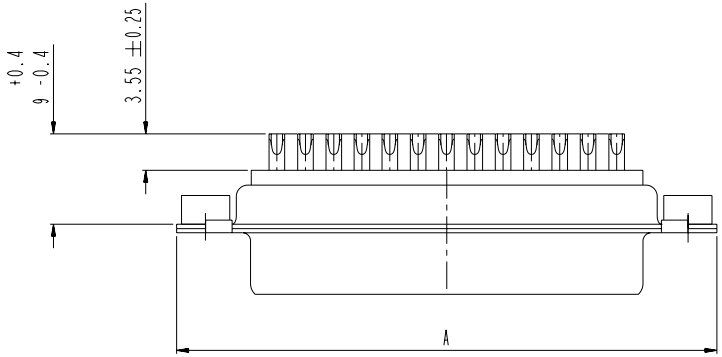
SCALE:4

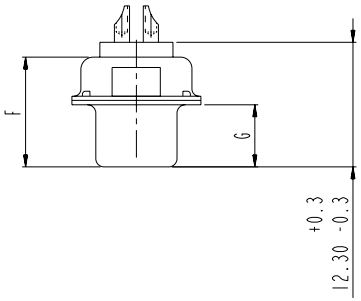
www.fciconnect.com			surface - ISO 1302		tolerance std ISO 406 ISO 1101		projection	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSON	2006/11/14	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	P LEGARE	2006/11/14			0.XX	±0.1		
Chr	P LEGARE	2006/11/14	0° ±2°		0.XXX	±0.05	ECN	LS07-0273
Appr	P LEGARE	2006/11/14	Product family -				Spec ref	
title	SUB FEMALE DM HE508 series with solder bucket						dwg no	C01-8637-1745 Rev. B
catalog no -							CUSTOMER	sheet 2 of 4

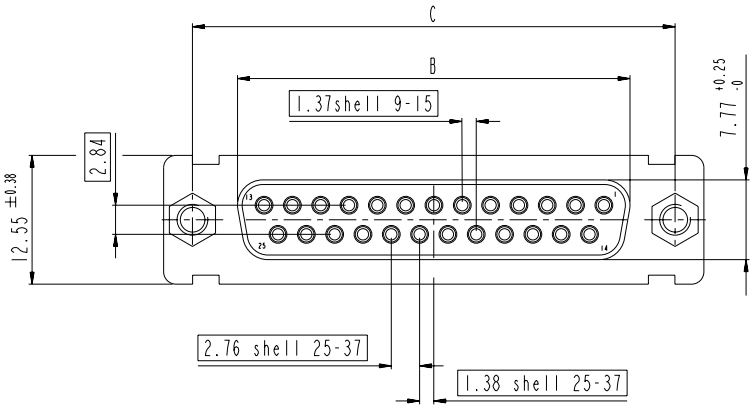
PDM:Rev:B STATUS:Released Printed: Jun 18, 2015

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

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 A2	Scale 2:1
Eng	P LEGARE	2006/11/14	0° ±2°		0.XX ±0.1		
Chr	P LEGARE	2006/11/14			0.XXX ±0.05	ECN LS07-0273	
Appr	P LEGARE	2006/11/14	Product family -			Spec ref	
title: SUB FEMALE DM HE508 series with solder bucket					dwg no C01-8637-1745		Rev. B
catalog no -					CUSTOMER		sheet 3 of 4

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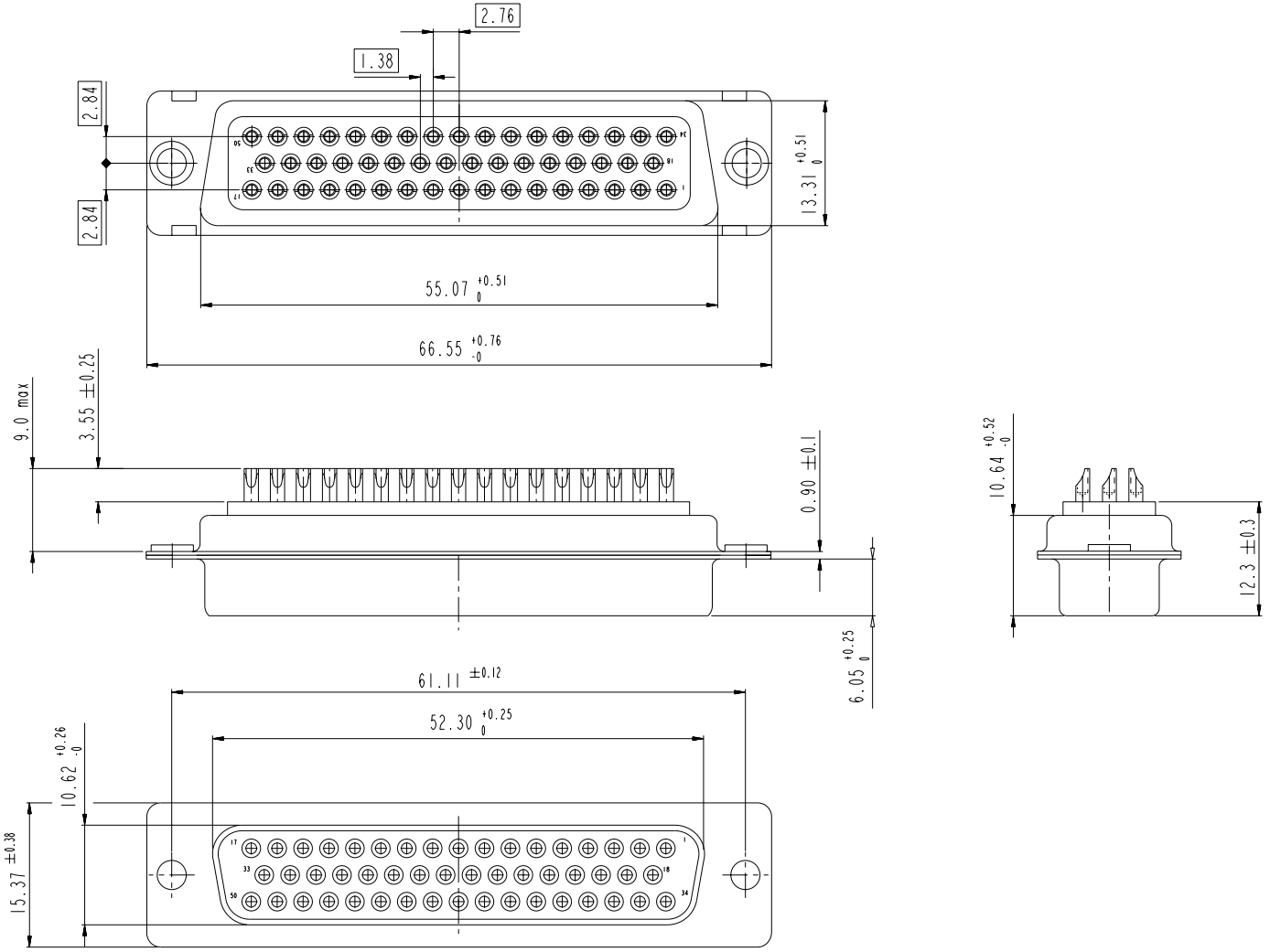
DIMENSIONS FOR SHELL SIZE D (50 CONTACTS)



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	Scale	
Eng	P LEGARE	2006/11/14	0° ±2°		0.XX	±0.1	A2	2:1	
Chr	P LEGARE	2006/11/14			0.XXX	±0.05	ECN	LS07-0273	
Appr	P LEGARE	2006/11/14	Product family			-	Spec ref		
title	SUB FEMALE DM HE508 series with solder bucket						dwg no	C01-8637-1745	Rev. B
catalog no	-						CUSTOMER		sheet 4 of 4

REV F - 2006-04-17

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