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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

rev	ecn no	dr	date	Dr	M	PESSON	2006/11/14	surface	-	tolerance std	projection	mm			
A	LS06-0174	MPE	2006/11/14	Eng	P	LEGARE	2006/11/14	ANGULAR	LINEAR	0.X	±0.3	size	A2	Scale	2:1
B	LS07-0273	MPE	2007/10/30	Chr	P	LEGARE	2006/11/14	0° ±2°		0.XX	±0.1	ECN	LS07-0273		
-	-	-	-	Appr	P	LEGARE	2006/11/14	Product family	-	0.XXX	±0.05	Spec ref			

FCI

SUB MALE DM HE508 series

with solder bucket

catalog no

deg no

C01-8637-1741

Rev.

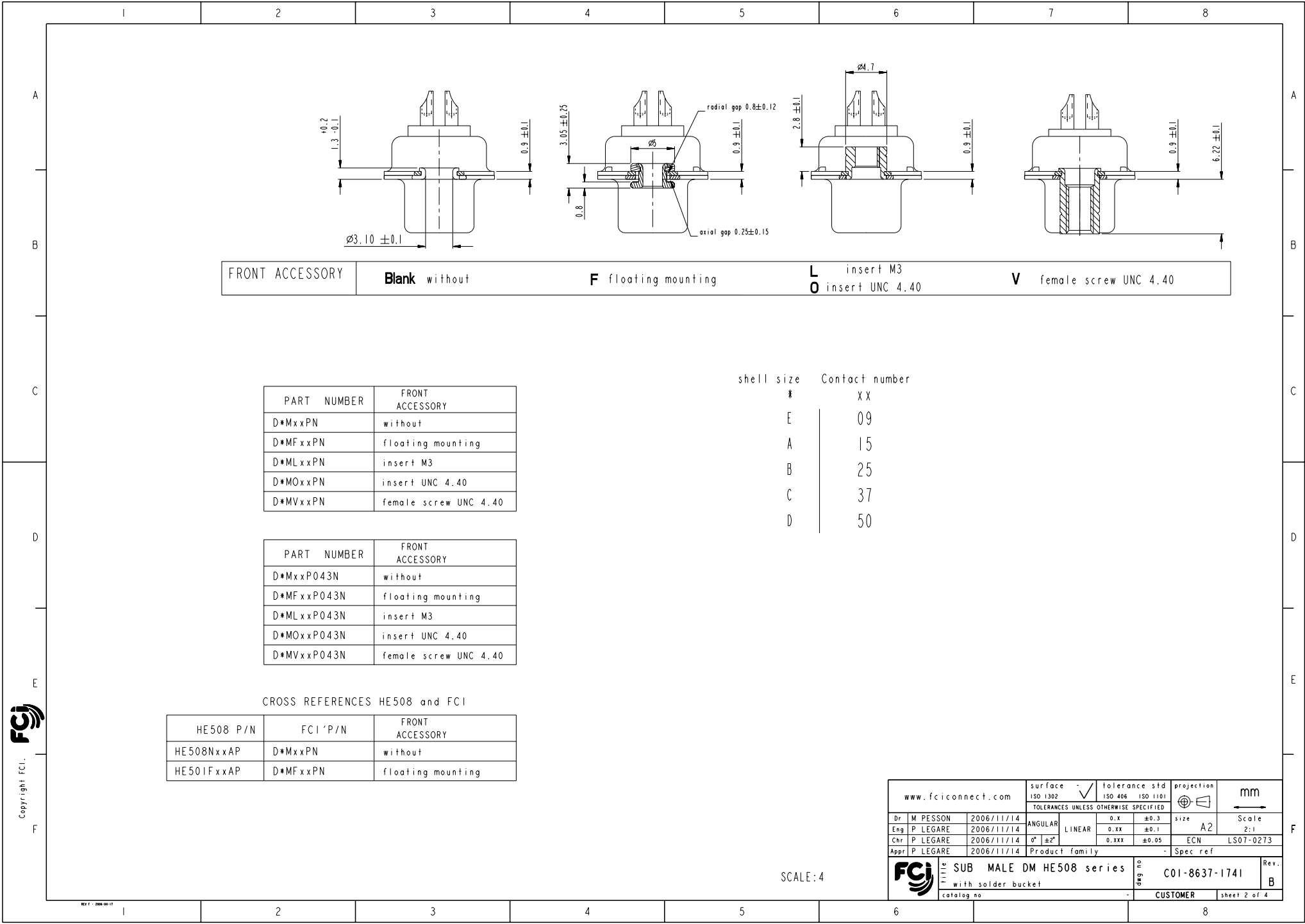
B

CUSTOMER

sheet 1 of 4

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REV 7 - 2006-04-17



FRONT ACCESSORY	Blank without	F floating mounting	L insert M3 O insert UNC 4.40	V female screw UNC 4.40
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PART NUMBER	FRONT ACCESSORY
D*MxxPN	without
D*MFxxPN	floating mounting
D*MLxxPN	insert M3
D*MOxxPN	insert UNC 4.40
D*MVxxPN	female screw UNC 4.40

PART NUMBER	FRONT ACCESSORY
D*MxxP043N	without
D*MFxxP043N	floating mounting
D*MLxxP043N	insert M3
D*MOxxP043N	insert UNC 4.40
D*MVxxP043N	female screw UNC 4.40

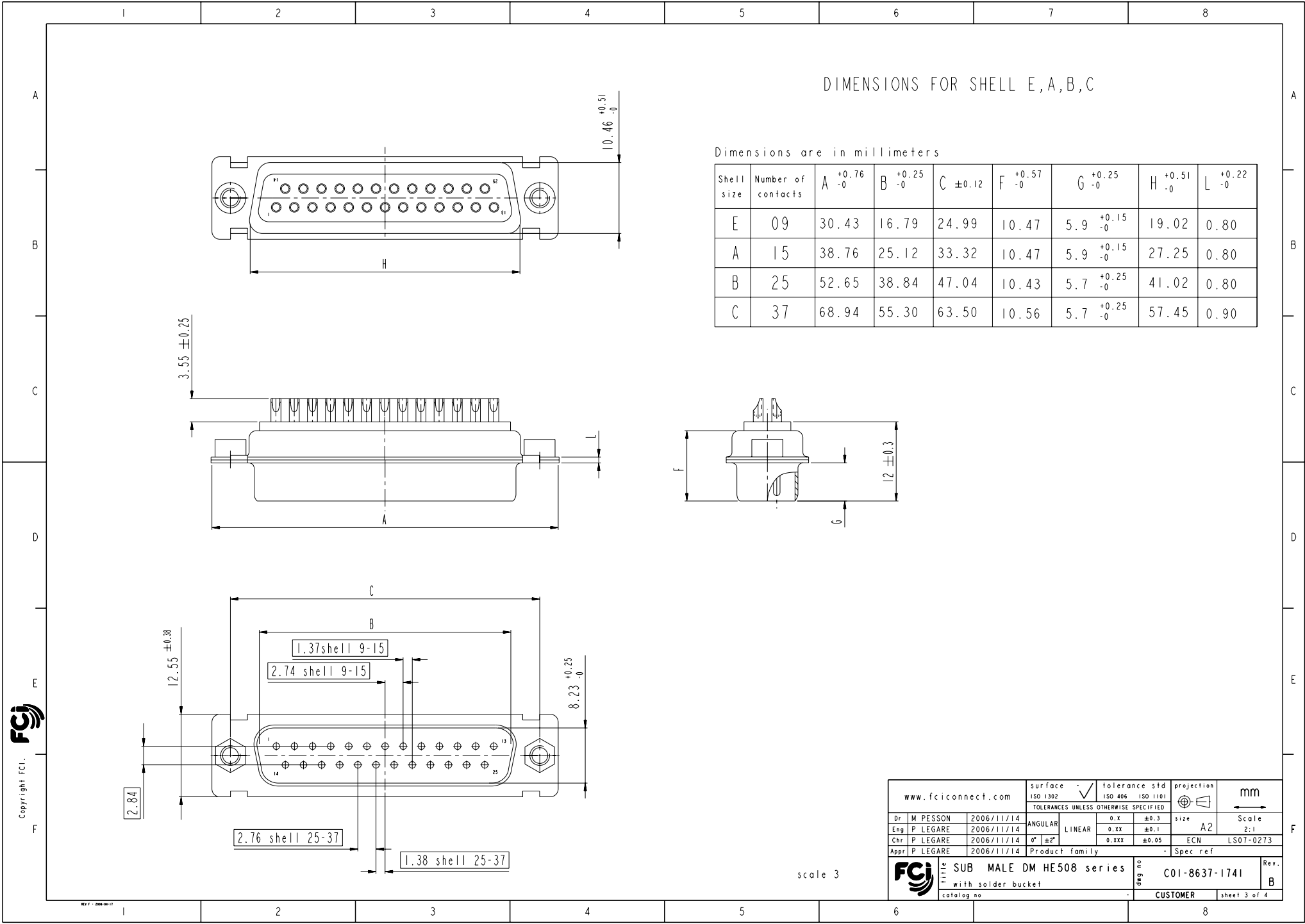
CROSS REFERENCES HE508 and FC1

HE508 P/N	FC1 P/N	FRONT ACCESSORY
HE508NxxAP	D*MxxPN	without
HE501FxxAP	D*MFxxPN	floating mounting

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

SCALE: 4

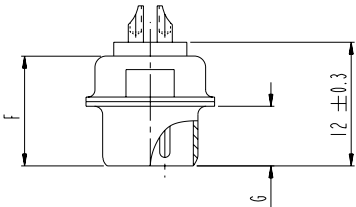
www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection size	mm Scale
		TOLERANCES UNLESS OTHERWISE SPECIFIED		mm	2:1
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05
Appr	P LEGARE	2006/11/14	Product family	ECN LS07-0273	
FCI		SUB MALE DM HE508 series		Spec ref	
Title		with solder bucket		dag no	C01-8637-1741
catalog no				Rev.	B
				CUSTOMER	sheet 2 of 4



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 ISO 1302	tolerance std ISO 406	projection ISO 1101	mm	
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3	size A2
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1	Scale 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		
SUB MALE DM HE508 series		with solder bucket		deg no	C01-8637-1741	Rev. B
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scale 3

scale 3

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