

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

DBML25S400N

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

Termination type

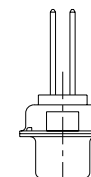
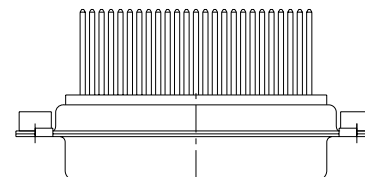
4 3 level wire wrap contact

Plating

00 : 500 matings/unmatings

43 : 500 matings/unmatings for harsh environment

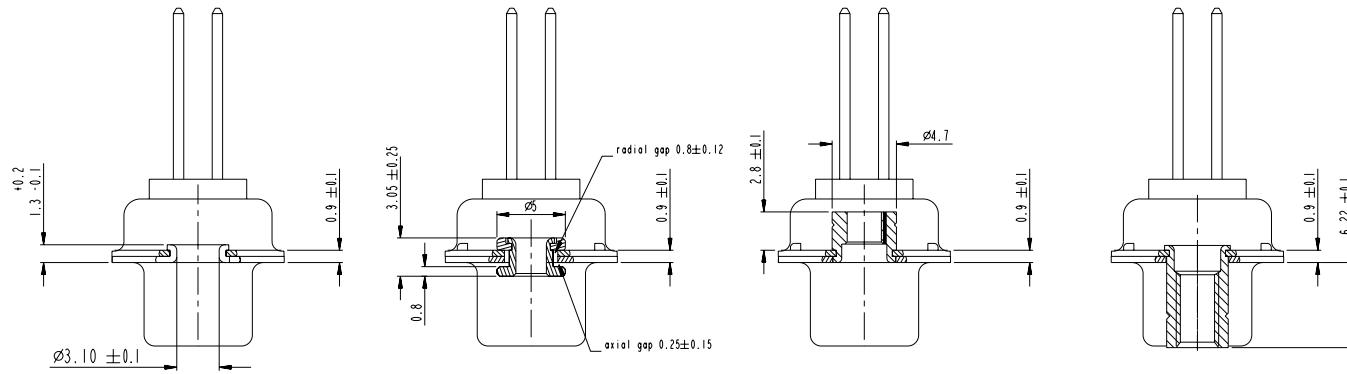
Obligatory for HE508



25 WAY for Exemple

rev	ech no	dr	date
A	3506-0174	MPE	2006/11/14
B	3507-0273	MPE	2007/10/30
C	3507-0311	MPE	2007/12/06
-	-	-	-
-	-	-	-
-	-	-	-

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	Scale	
Eng	P LEGARE	2006/11/14			0.XX	±0.1	A2	2:1	
Chr	P LEGARE	2006/11/14	0° ±2°		0.XXX	±0.05	ECN	LS07-0311	
Appr	P LEGARE	2006/11/14	Product family				Spec ref		
			TITLE SUB FEMALE DM HE508 series				deg no C01-8637-1747		Rev
			with 3 level wire wrap contact						C
catalog no							CUSTOMER		sheet 1 of 4



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*MxxS400N	without
D*MFxxS400N	floating mounting
D*MLxxS400N	insert M3
D*MOxxS400N	insert UNC 4.40
D*MVxxS400N	female screw UNC 4.40

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

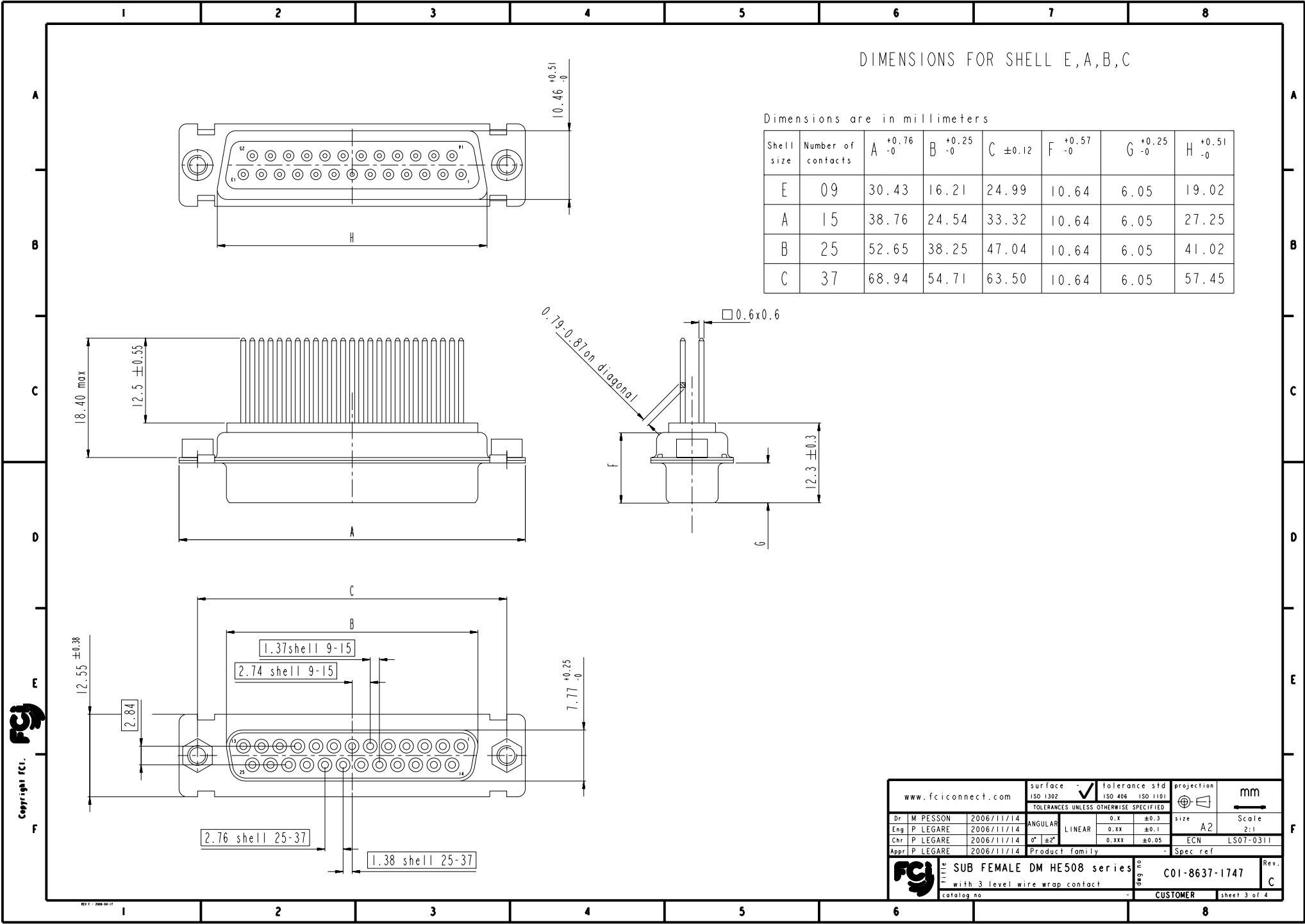
PART NUMBER	FRONT ACCESSORY
D*MxxS443N	without
D*MFxxS443N	floating mounting
D*MLxxS443N	insert M3
D*MOxxS443N	insert UNC 4.40
D*MVxxS443N	female screw UNC 4.40

CROSS REFERENCES HE508 and FC1

HE508 P/N	FC1 P/N	FRONT ACCESSORY
HE508NxxKS3	D*MxxS400N	without
HE508FxxKS3	D*MFxxS400N	floating mounting

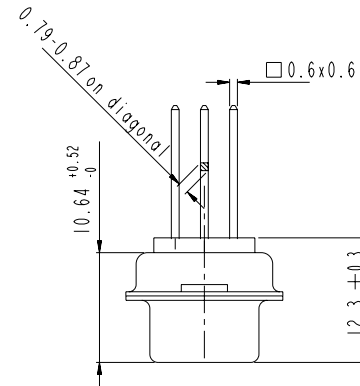
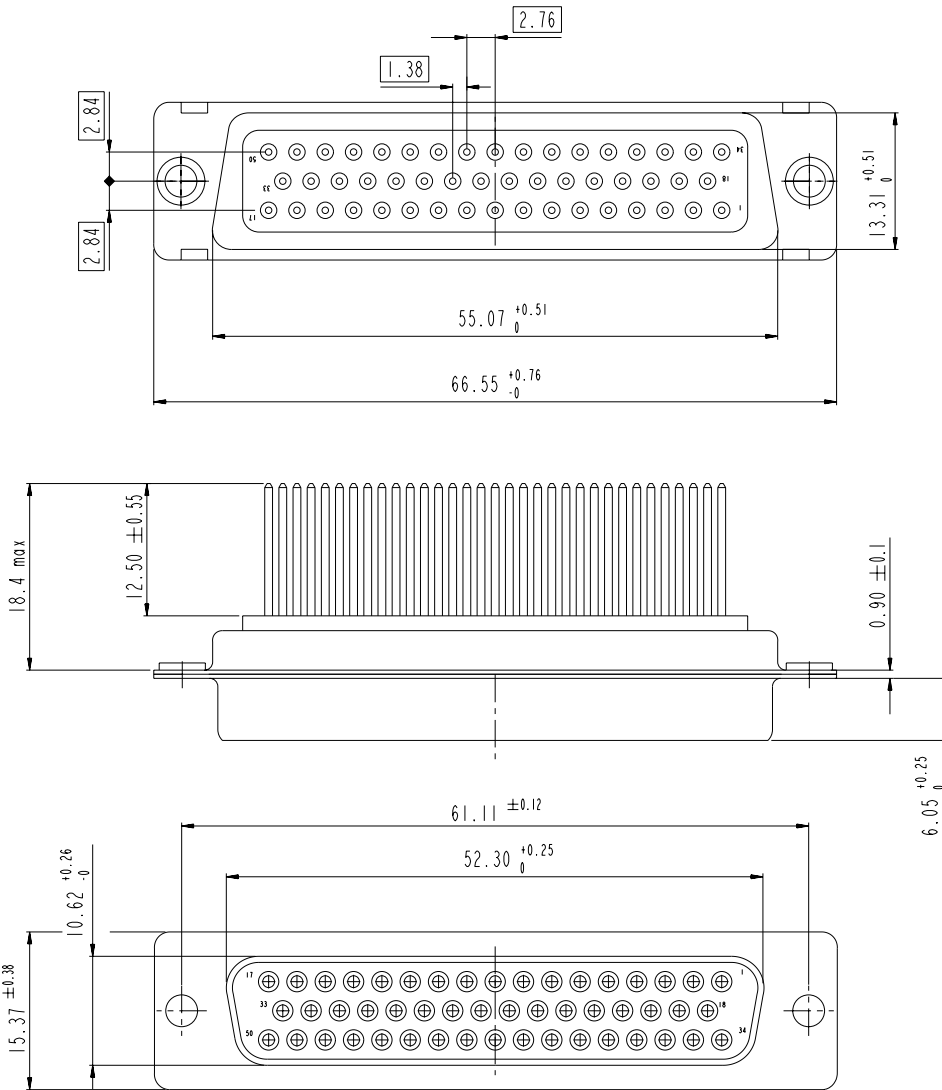
SCALE: 4

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	0.X	±0.3	size	A2	Scale	2:1
Eng	P LEGARE	2006/11/14	LINEAR	0.XX	±0.1	ECN	LS07-0311		
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		with 3 level wire wrap contact		deg no		C01-8637-1747		Rev. C	
catalog no				CUSTOMER		sheet 2 of 4			



www.fciconnect.com			surface ☒ tolerance std ISO 1302 ISO 406 ISO 1101			projection 			
TOLERANCES UNLESS OTHERWISE SPECIFIED									
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Chr	P LEGARE	2006/11/14	$\phi^{\circ} \pm 2^{\circ}$	0.XXX	± 0.05	Product family	-	Spec ref	
Appr	P LEGARE	2006/11/14							
			SUB FEMALE DM HE508 series			C01-8637-1747		Rev. C	
with 3 level wire wrap contact						CUSTOMER		sheet 3 of 4	

DIMENSIONS FOR SHELL D (50 CONTACTS)



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
Eng	P LEGARE	2006/11/14	0.XX	±0.1			ECN	LS07-0311	2:1
Chr	P LEGARE	2006/11/14	0° ±2°	0.XXX	±0.05			Product family	Spec ref
Appr	P LEGARE	2006/11/14							
SUB FEMALE DM HE508 series		with 3 level wire wrap contact		C01-8637-1747		Rev.		C	
catalog no		CUSTOMER		sheet 4 of 4					