

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

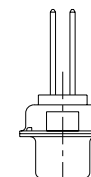
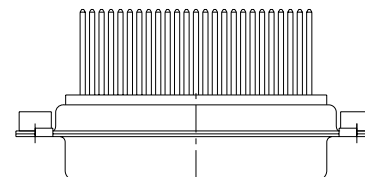
4 3 level wire wrap contact

Plating

00 : 500 matings/unmatings

43 : 500 matings/unmatings for harsh environment

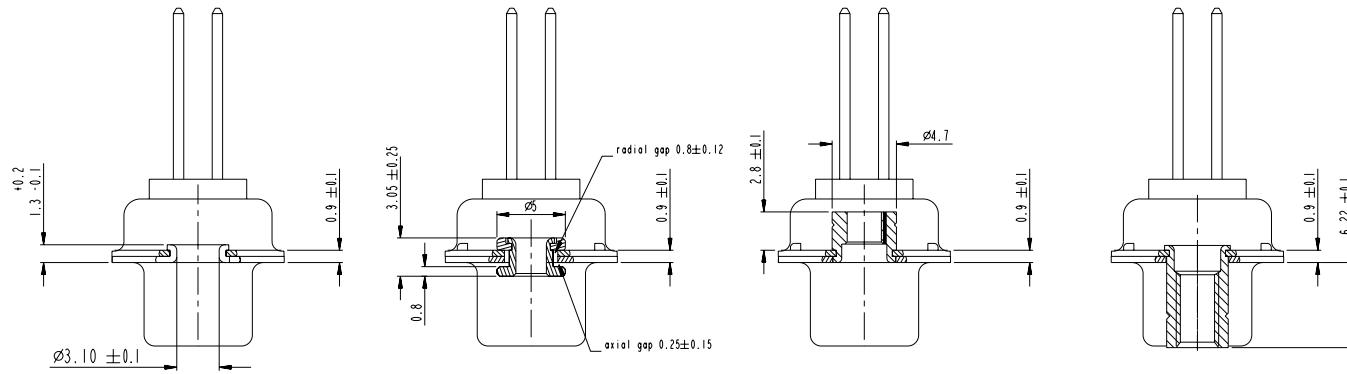
Obligatory for HE508



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	A2	Scale
Eng	P LEGARE	2006/11/14			0.XX	±0.1			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		
			SUB FEMALE DM HE508 series				deg no		Rev
			with 3 level wire wrap contact				C01-8637-1747		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

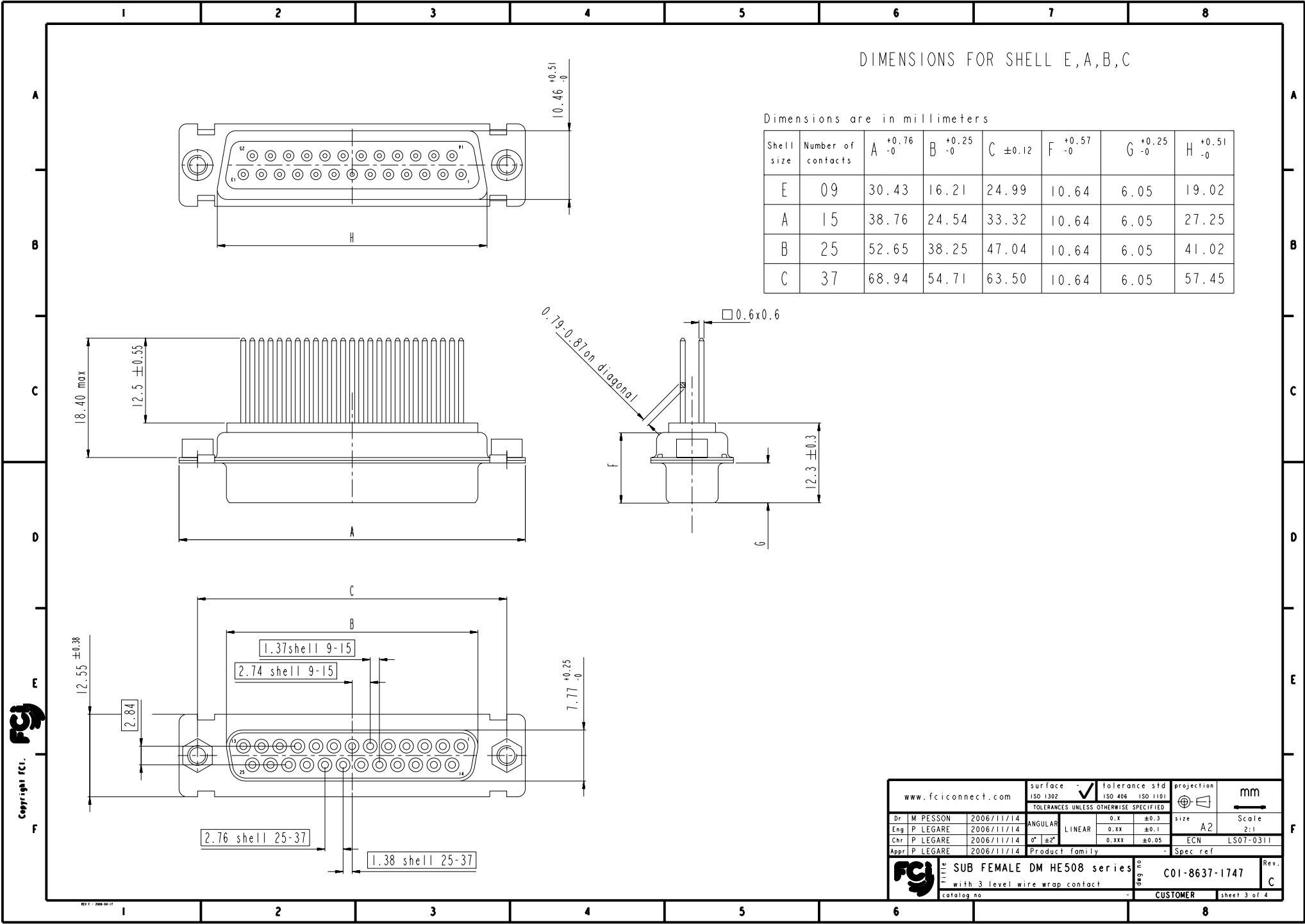
PART NUMBER	FRONT ACCESSORY
D*MxxS443N	without
D*MFxxS443N	floating mounting
D*MLxxS443N	insert M3
D*MOxxS443N	insert UNC 4.40
D*MVxxS443N	female screw UNC 4.40

CROSS REFERENCES HE508 and FC1

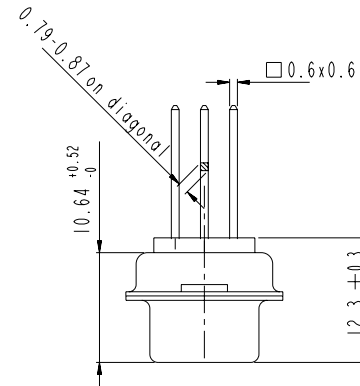
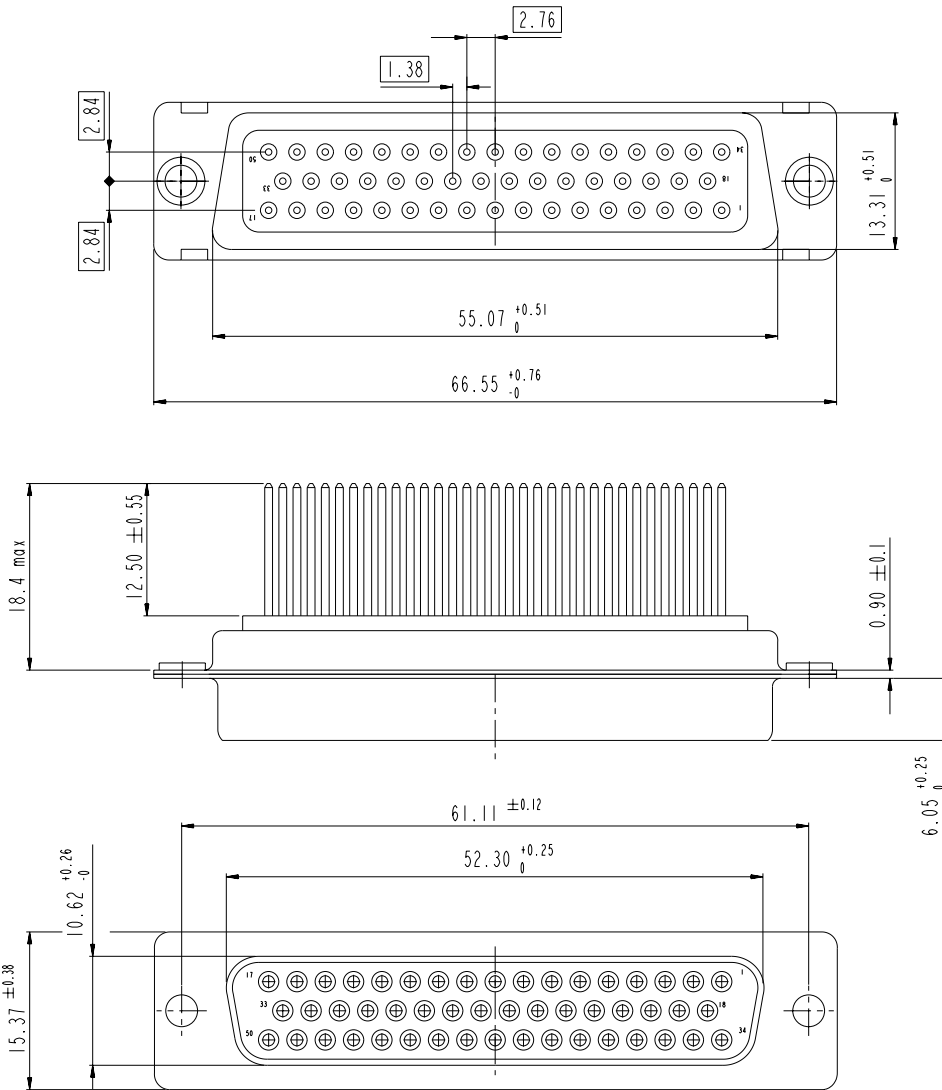
HE508 P/N	FC1 P/N	FRONT ACCESSORY
HE508NxxKS3	D*MxxS400N	without
HE508FxxKS3	D*MFxxS400N	floating mounting

SCALE: 4

www.fciconnect.com			surface -  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	±0.05	ECN	LS07-0311	
Appr	P LEGARE	2006/11/14	Product family			Spec ref			
			SUB FEMALE DM HE508 series				C01-8637-1747		Rev.
			with 3 level wire wrap contact						C
catalog no					CUSTOMER			sheet 2 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					Scale 2:1				
Dr	M PESSON	2006/11/14	ANGULAR	LINEAR	0.X					±0.3		
Eng	P LEGARE	2006/11/14			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		LS07-0311
										- Spec ref		
			SUB FEMALE DM HE508 series			day no		C01-8637-1747				
			with 3 level wire wrap contact					Rev.				
								C				
			catalog no			CUSTOMER		sheet 4 of 4				