

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 508)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOSET UL94V0

-CONTACT MATERIAL: BRASS

-ACCESSORIES: BRASS

-SHELLS: STEEL

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

NOTE RoHS INFORMATION

- The "LF" products meet european union Directives and other country regulations as described in GS-22-008.

- Termination plating spec:
Gold over Nickel

- Active area plating spec:
Gold over Nickel

- Shell plating :Bright pure tin white or transparent color

- Accessories:Bright pure tin white or transparent color

- Packaging spec: See GS-14-920

Series

DBML25S300NLF

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

S :spacer

Contact number (see sheet 2)

9,15,25,37,50

Contacts

S :Socket

Termination type

3 :Straight version

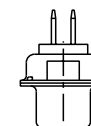
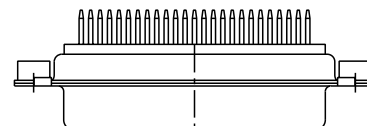
Plating

00 : 500 matings/unmatings

43 : 500 matings/unmatings for harsh environment

See note RoHS

Obligatory for HE508



25 WAY for Example

rev	ecn no	dr	date
A	LS06-0008	MPE	2006/01/16
B	LS07-0235	MPE	2007/09/14
C	LS07-0273	MPE	2007/10/30
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface  tolerance std		projection		mm	
		ISO 1302 ISO 406 ISO 1101					
		TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSON	11/10/05	ANGULAR	LINEAR	0.X	±0.3	size A2
Eng	11/10/05	P LEGARE			0.XX	±0.1	Scale 2:1
Chr			0° ±2°		0.XXX	±0.05	ECN LS07-0273
Appr			Product family		- Spec ref		
		SUB FEMALE DM HE508 series			C01-8637-1714		Rev
		with straight solder contact					C
catalog no				CUSTOMER	sheet 1 of 4		

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

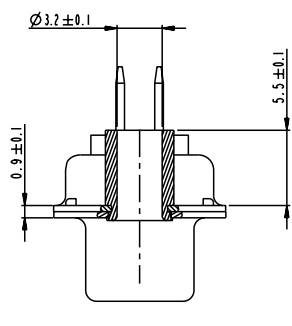
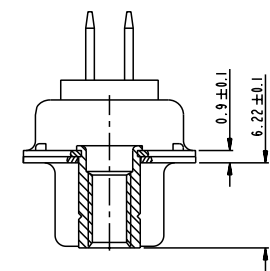
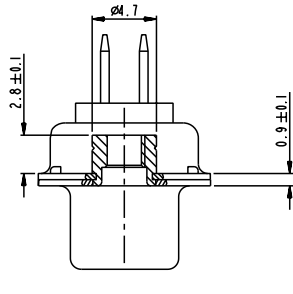
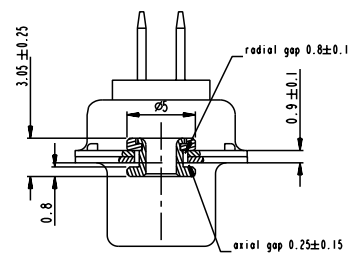
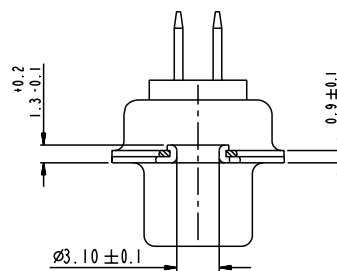
B

C

D

E

F



FRONT ACCESSORY	Blank without	F floating mounting	L insert M3 O insert UNC 4.40	V female screw UNC 4.40	S spacer
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PART NUMBER	FRONT ACCESSORY
D*MxxS300NLF	without
D*MFxxS300NLF	floating mounting
D*MLxxS300NLF	insert M3
D*MOxxS300NLF	insert UNC 4.40
D*MVxxS300NLF	female screw UNC 4.40
D*MSxxS300NLF	spacer

PART NUMBER	FRONT ACCESSORY
D*MxxS343NLF	without
D*MFxxS343NLF	floating mounting
D*MLxxS343NLF	insert M3
D*MOxxS343NLF	insert UNC 4.40
D*MVxxS343NLF	female screw UNC 4.40
D*MSxxS343NLF	spacer

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

CROSS REFERENCES HE508 and FCI

HE508 P/N	FCI P/N	FRONT ACCESSORY
HE508NxxYS4	D*MxxS300NLF	without
HE508FxxYS4	D*MFxxS300NLF	floating mounting

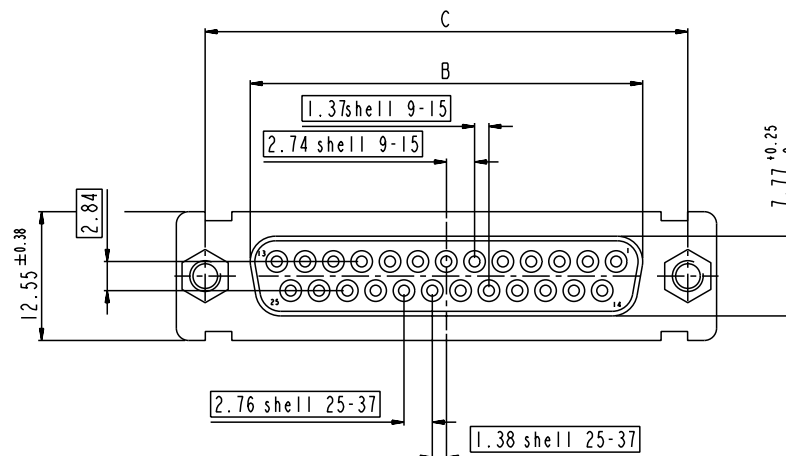
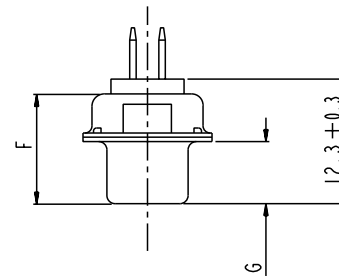
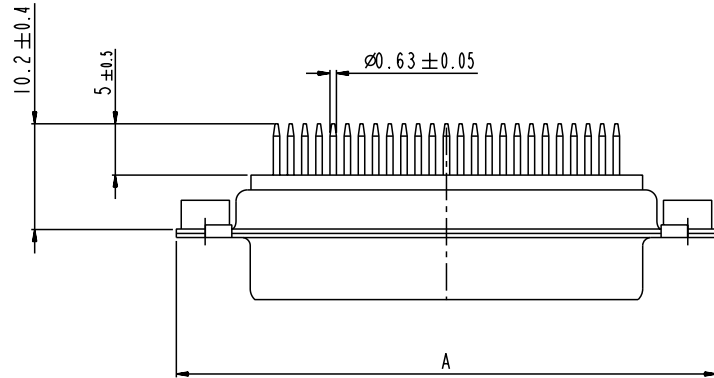
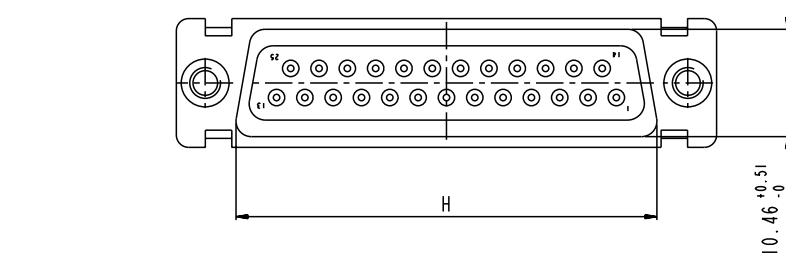
SCALE:4

www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection size A2	mm Scale 2:1
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr M PESSON	11/10/05	ANGULAR	0.X ±0.3		
Eng 11/10/05	P LEGARE	LINEAR	0.XX ±0.1		
Chr		0° ±2°	0.XXX ±0.05	ECN LS07-0273	
Appr		Product family		Spec ref	
FCI		SUB FEMALE DM HE508 serie		C01-8637-1714	
		with straight solder contact		Rev. C	
		catalog no		CUSTOMER	
				sheet 2 of 4	

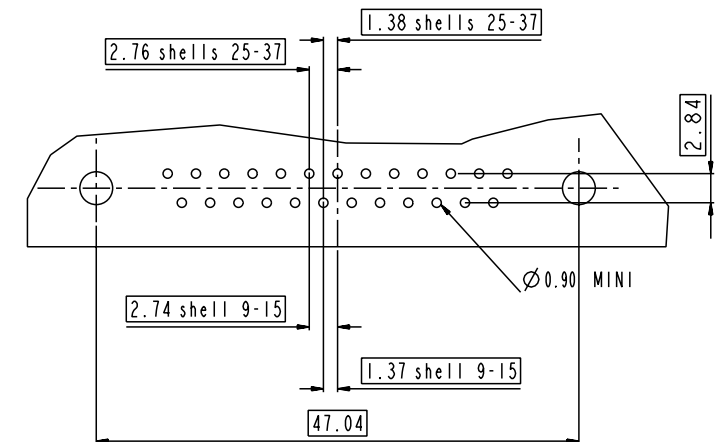
DIMENSIONS FOR SHELL E.A.B.C

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}
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



LAYOUT AND CONNECTOR DIMENSIONS



www.fciconnect.com		surface -	tolerance std	projection	mm
		ISO 1302	ISO 406	ISO 1101	
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	11/10/05	ANGULAR	0.X	±0.3
Eng	11/10/05	P LEGARE	LINEAR	0.XX	±0.1
Chr			0° ±2°	0.XXX	±0.05
Appr			Product family	-	Spec ref
FCI		SUB FEMALE DM HE508 serie		ang no	C01-8637-1714
		with straight solder contact		Rev.	C
		catalog no		CUSTOMER	sheet 3 of 4

