

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC ,UL94V0

-CONTACT MATERIAL: BRASS

-ACCESSORIES: BRASS

-SHELLS: STEEL

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 40A

-CONTACT RESISTANCE: <= 7.3 mOhms

-CONTACT/CONTACT : >=1000 V

-CONTACT/GROUND : >=1200 V

-INSULATION RESISTANCE: >=5000 MOhms

- CLIMATIC CATEGORY: 55/125/21

TEMPERATURE RANGE -55°C TO +125°C

DAMP HEAT STEADY STATE 21 DAYS

SALT SPRAY 24 HOURS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m minimum

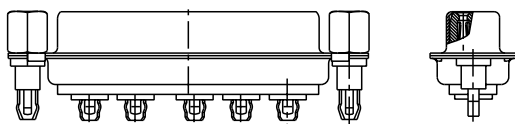
- Female screw : 0.5 N.m minimum

PRESS FIT PERFORMANCES

PRESS FIT CONTACTS	
INSERTION FORCE	<= 200 N
EXTRACTION FORCE	>= 30 N

NOTE RoHS INFORMATION

- The "LF" products meet european union Directives and other country regulations as described in GS-22-008.
- Termination plating spec:
 - Ni 1.27µm+Sn 0.5 to 1.5µm(pure bright)
- Active area plating spec:
 - Ni + Gold
- Shell plating :2 to 4µm Cu + Ni + 3 to 10µm Sn(pure bright)
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920



5W5 FOR EXAMPLE

Series

DBL5W5S93C5G40LF

Shell size: **E A B C**

see sheet 2

Front accessory definition
see sheet 2

L : threaded insert M3

O : threaded insert UNC 4-40

V : female screw UNC 4-40

Layout of contacts (see sheet 3)

Contacts

S :Socket

Termination type

93 C Straight version

Plating

5 200 matings/unmatings

6 500 matings/unmatings

PCB accessories definition
see sheet 2

G :Harpoon used for PCB thickness from 1.60 mm

Power contacts

40 :Fitted with power contacts 40 Amp.

See note RoHS

TABLE 1:PCB HOLE DIAMETERS

P.C.B HOLE DEFINITION (NOTE 1 AND 2)	SnPb holes for CONTACTS		Sn holes for CONTACTS		holes ACCESSORIES
	DRILL DIAMETER	Ø3.22 REF(NOTE 3)	DRILL DIAMETER	Ø3.22 REF(NOTE 3)	
	COPPER PLATING	25µ MINI (RECOMMENDED 50µ MAXI)	COPPER PLATING	25µ MINI (RECOMMENDED 50µ MAXI)	
	TIN-LEAD PLATING	15µ MAXI (RECOMMENDED 5µ MINI)	TIN-LEAD PLATING	15µ MAXI (RECOMMENDED 5µ MINI)	
	TIN PLATING		TIN PLATING	0.8 to 1.2µ	
FINISH HOLE (AFTER REFLOW)		Ø 3.02-3.20	FINISH HOLE (AFTER REFLOW)		Ø 3.08-3.20

NOTE-1:THESE DIMENSIONS MUST BE RESPECT TO SECURE PRESS-FIT PIN PERFORMANCES.

NOTE-2: ACCORDING TO IEC-352-5 SPEC.

NOTE-3: MAJOR REQUIREMENT FOR PRESS FIT PIN PERFORMANCE

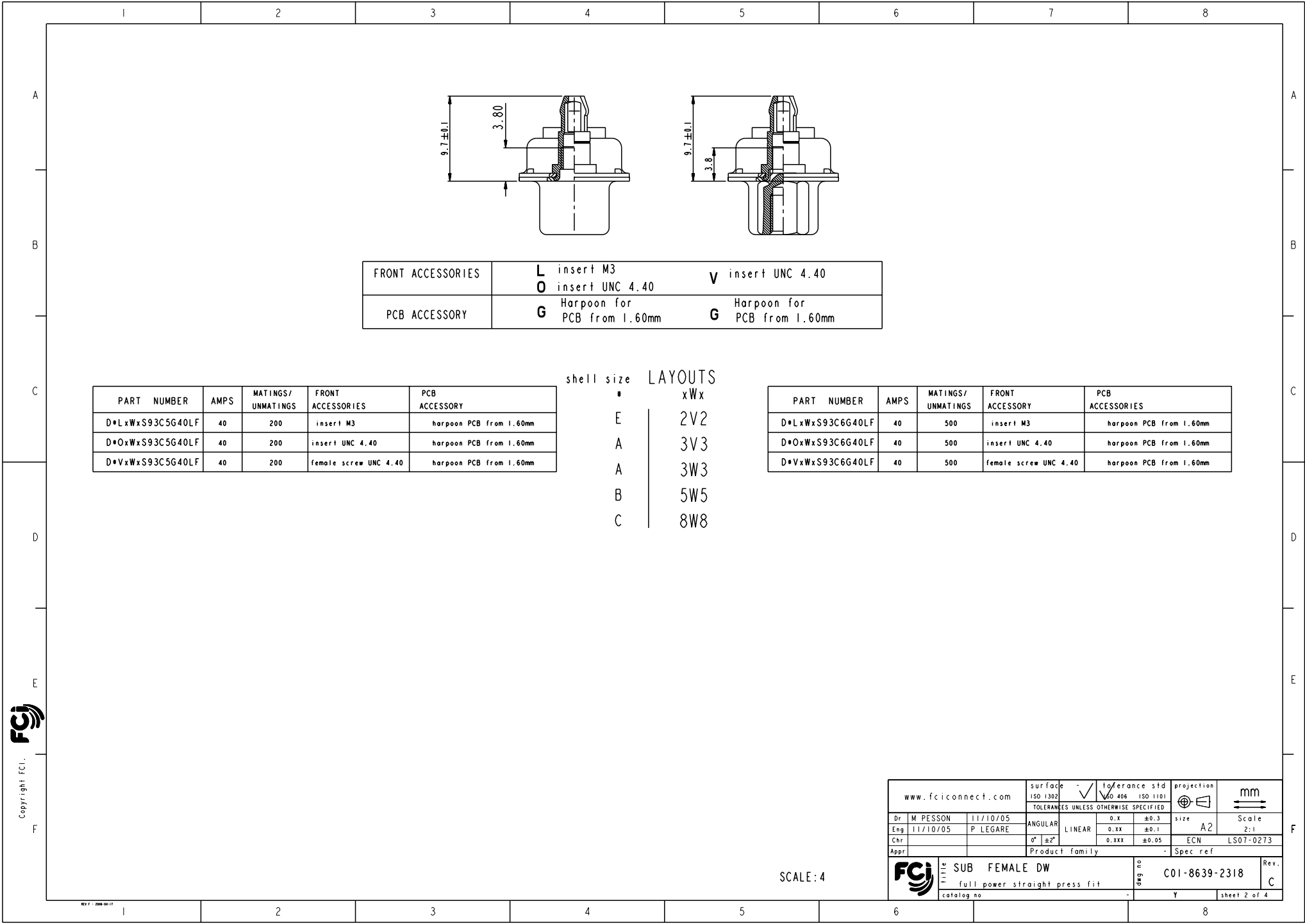
www.fciconnect.com				surface ☒ tolerance std	projection	mm
				ISO 1302	ISO 406	ISO 1101
				TOLERANCES UNLESS OTHERWISE SPECIFIED		
				ANGULAR	0.X	±0.3
				LINEAR	0.XX	±0.1
				Ø ±Z	0.XXX	±0.05
				Product family		
				- Spec ref		
				SUB FEMALE DW		
				full power straight press fit		
				catalog no		

rev	ecn no	dr	date
B	LS06-0208	LG0	2006/12/13
C	LS07-0273	MPE	2007/11/10
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Dr	M PESSON	11/10/05
Eng	11/10/05	P LEGARE
Chr		
Appr		

size	A2	Scale	2:1
ECN	LS07-0273		

FCi	TITLE	SUB FEMALE DW	cat no	C01-8639-2318	Rev	C
		full power straight press fit				
	</					



FRONT ACCESSORIES	L insert M3	V insert UNC 4.40
	O insert UNC 4.40	
PCB ACCESSORY	G Harpoon for PCB from 1.60mm	G Harpoon for PCB from 1.60mm

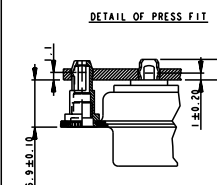
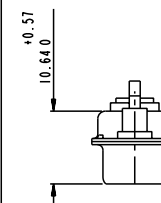
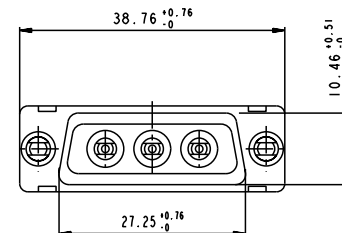
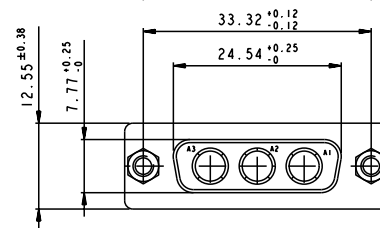
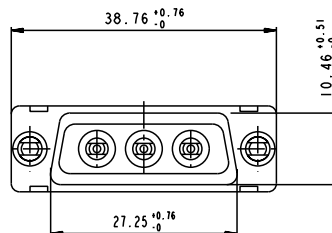
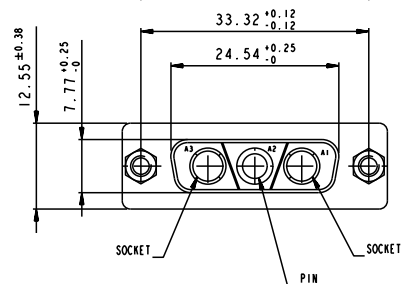
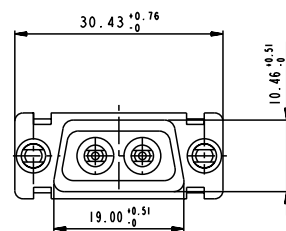
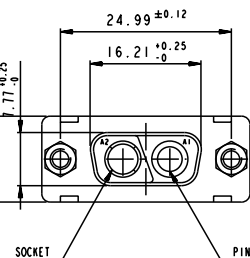
PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORIES	PCB ACCESSORY
D*LxWxS93C5G40LF	40	200	insert M3	harpoon PCB from 1.60mm
D*OxWxS93C5G40LF	40	200	insert UNC 4.40	harpoon PCB from 1.60mm
D*VxWxS93C5G40LF	40	200	female screw UNC 4.40	harpoon PCB from 1.60mm

shell size	LAYOUTS
#	xWx
E	2V2
A	3V3
A	3W3
B	5W5
C	8W8

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*LxWxS93C6G40LF	40	500	insert M3	harpoon PCB from 1.60mm
D*OxWxS93C6G40LF	40	500	insert UNC 4.40	harpoon PCB from 1.60mm
D*VxWxS93C6G40LF	40	500	female screw UNC 4.40	harpoon PCB from 1.60mm

SCALE: 4

www.fciconnect.com		surface ISO 1302	-	tolerance std ISO 406 ISO 1101	projection mm	size A2		Scale 2:1
Dr M PESSON		11/10/05		TOLERANCES UNLESS OTHERWISE SPECIFIED		size A2		Scale 2:1
Eng 11/10/05		P LEGARE		ANGULAR	LINEAR	0.X ±0.3	0.XX ±0.1	ECN LS07-0273
Chr				0° ±2°		0.XXX ±0.05		Spec ref
Appr				Product family				
FCI		SUB FEMALE DW		full power straight press fit		C01-8639-2318		Rev. C
catalog no						Y		sheet 2 of 4



www.fciconnect.com			surface - ☒ tolerance std ISO 1302 ISO 406 ISO 1101		projection 		mm 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSON	11/10/05	ANGULAR	LINEAR	0.X $\pm$ 0.3	size	A2	Scale 2:1
Eng	11/10/05	P LEGARE			0.XX $\pm$ 0.1			
Chr			σ° $\pm$ z°		0.XXX $\pm$ 0.05	ECN	LS07-0273	
Appr			Product family		- Spec ref			
			title SUB FEMALE DW		dag no C01-8639-2318		Re C	
			full power straight press fit					
catalog no					Y		sheet 3 of 4	

