

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
Average insertion 160N	
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 1.5µ(pure bright)
- Active area plating spec:
 - Ni + Gold
- Shell plating : 2 to 4µm Cu + Ni + 3 to 10µmm Sn(pure bright)
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920

Series

DBL5W5S80C5M40LF

Shell size: **E A B C**
(see sheet 3)

Front accessory definition
(see sheet 2)

blank :without accessory
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

80C Right angle/US foot print

Plating

5 200 matings/unmatings

6 500 matings/unmatings

PCB accessories definition(see sheet 2)

M Metal brackets

A Without accessory

Power contacts

40 :Fitted with power contacts 40 Amp.

See note RoHS

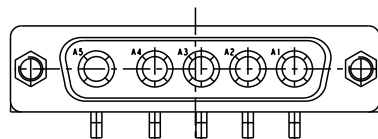
TABLE 1:PCB HOLE DIAMETERS

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)		Ø3.08-3.20

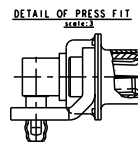
NOTE-1:THESE DIMENSIONS MUST BE RESPECT TO SECURE PRESS-FIT PIN PERFORMANCES.

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

NOTE-3: MAJOR REQUIREMENT FOR PRESS FIT PIN PERFORMANCE

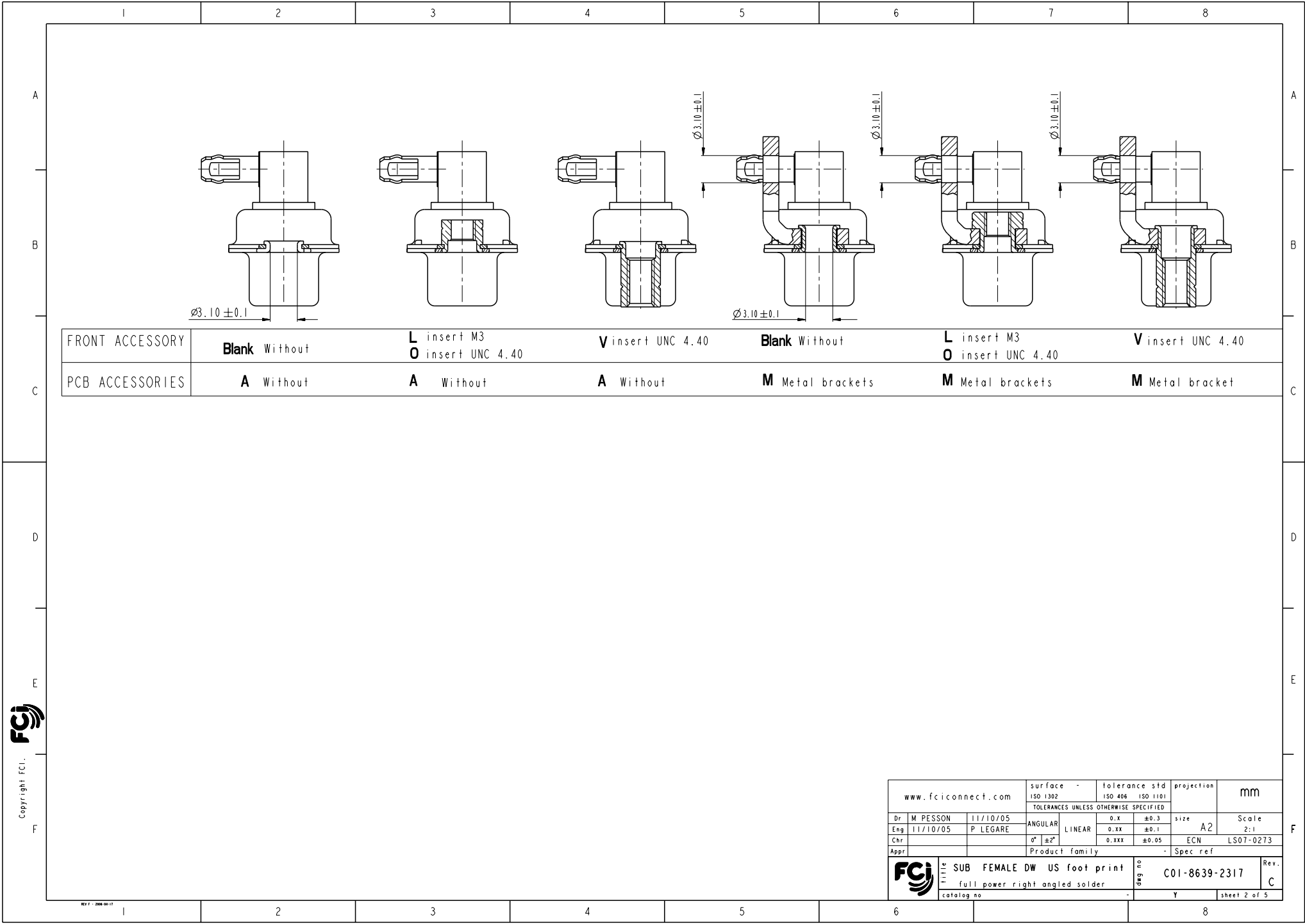


5W5 FOR EXAMPLE

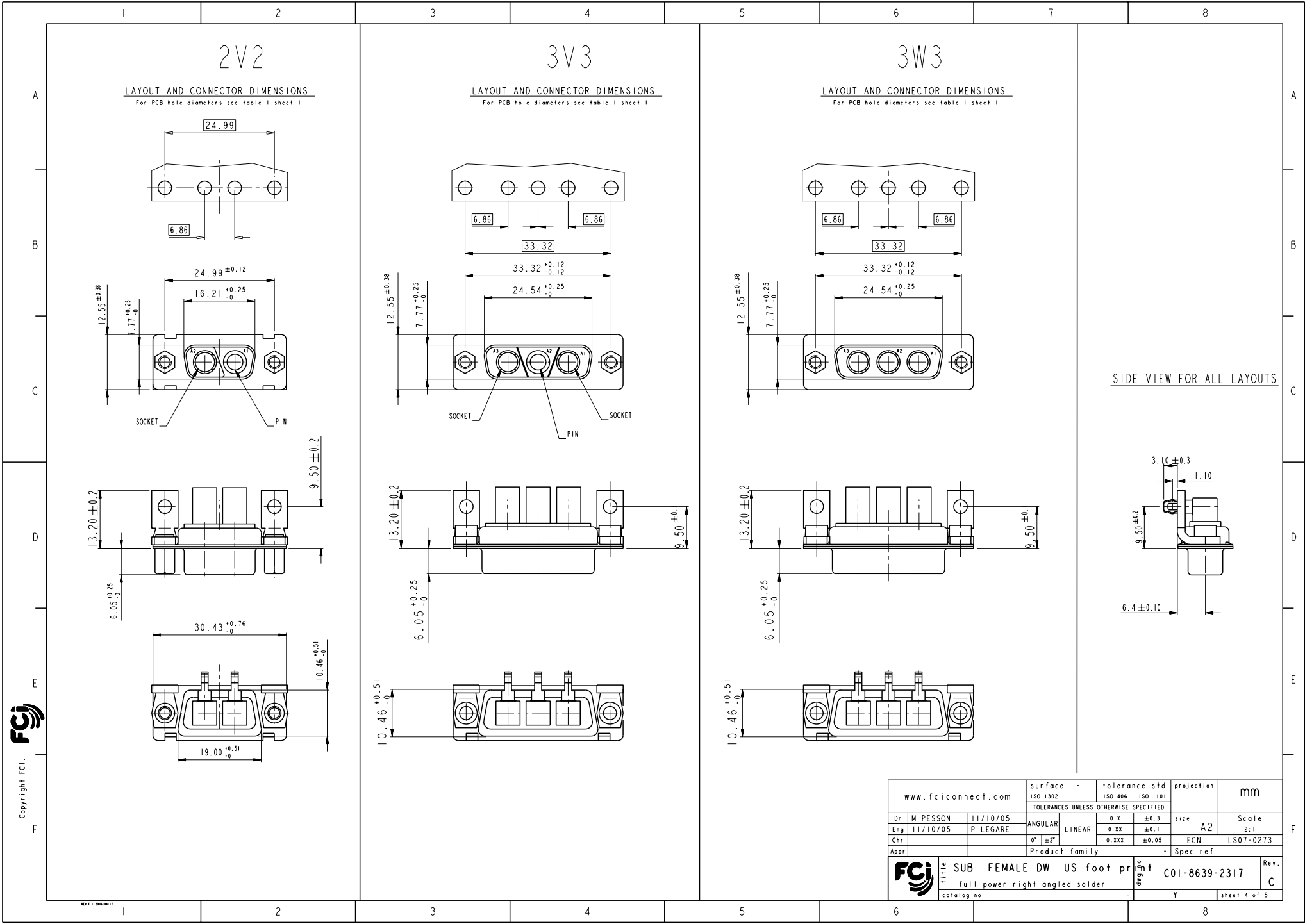


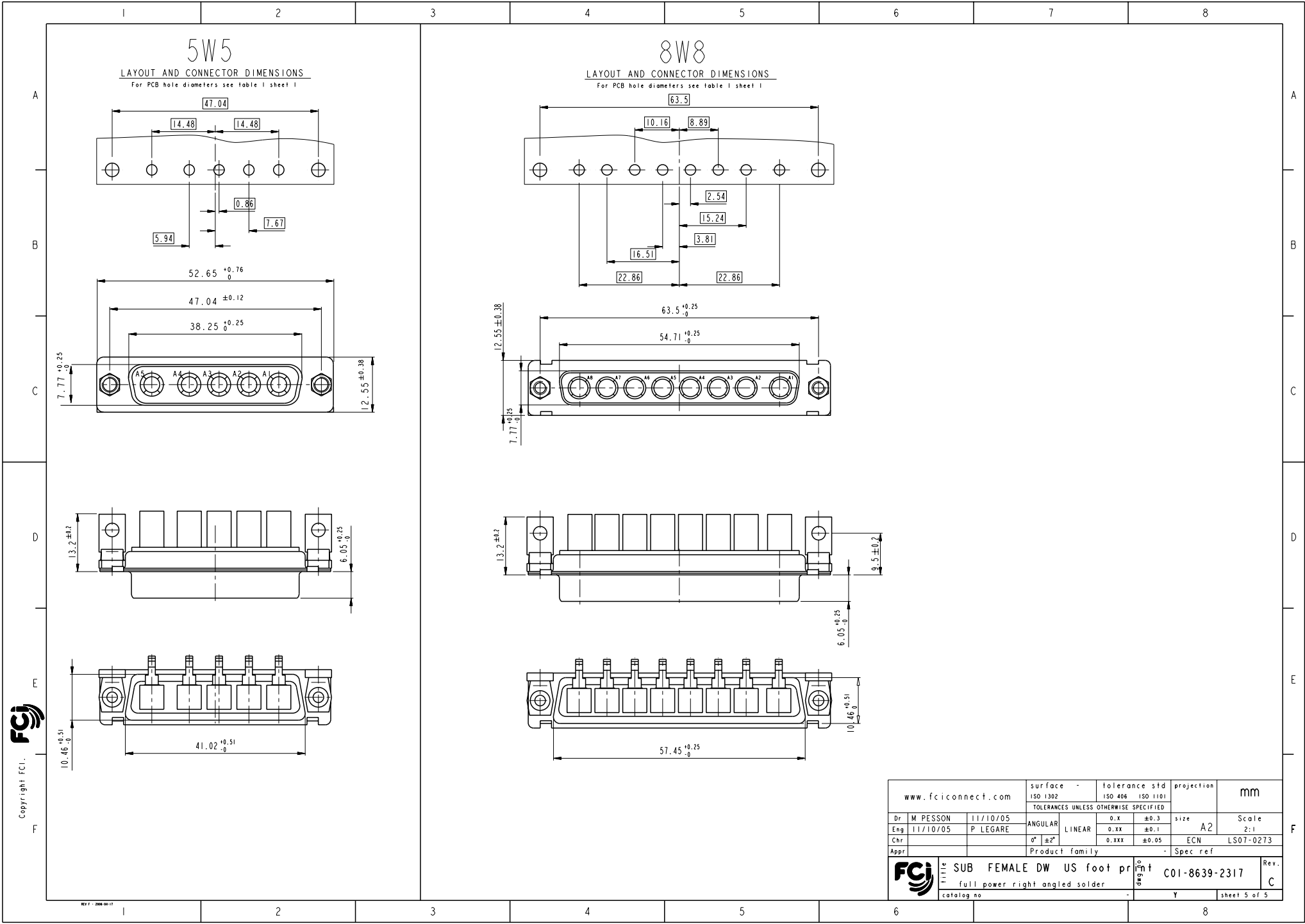
rev	ecn no	dr	date
B	LS06-0208	LGO	2006/12/13
C	LS07-0273	MPE	2007/11/05
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com			surface -  ISO 1302		tolerance std ISO 406 ISO 1101		 mm	
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSON	11/10/05	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	11/10/05	P LEGARE			0.XX	±0.1		
13			0° ±2°		0.XXX	±0.05	ECN	LS07-0273
05			Product family			- Spec ref		
Apr								
			title SUB FEMALE DW US foot print			diag no COI-8639-2317		Rev. C
			full power right angled solder					
			catalog no			Y		sheet 1 of 5



www.fciconnect.com		surface - ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm	
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M PESSON	11/10/05	ANGULAR	0.X ±0.3	size	A2
Eng	11/10/05	P LEGARE	LINEAR	0.XX ±0.1	Scale	2:1
Chr			0° ±2°	0.XXX ±0.05	ECN	LS07-0273
Appr			Product family	-	Spec ref	
FCI		SUB FEMALE DW US foot print		deg no	C01-8639-2317	
		full power right angled solder			C	
		catalog no	-	Y	sheet 2 of 5	





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		ISO 1302	ISO 406 ISO 1101			
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M PESSON	11/10/05	ANGULAR	0.X	±0.3	size A2 Scale 2:1
Eng	11/10/05	P LEGARE	LINEAR	0.XX	±0.1	ECN LS07-0273
Chr			0° ±2°	0.XXX	±0.05	Spec ref
Appr			Product family			
FCi		SUB FEMALE DW US foot pr		C01-8639-2317		Rev. C
		full power right angled solder				
		catalog no		Y		sheet 5 of 5