

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

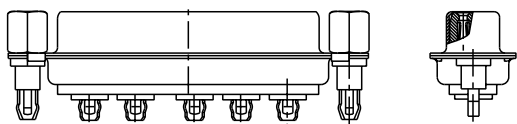
- Female screw : 0.5 N.m minimum

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)							
	25µ MINI (RECOMMENDED 50µ MAXI)				25µ MINI (RECOMMENDED 50µ MAXI)							
	15µ MAXI (RECOMMENDED 5µ MINI)				0.8 tol,2µ							
	FINISH HOLE (AFTER REFLOW)				Ø 3.02-3.20							

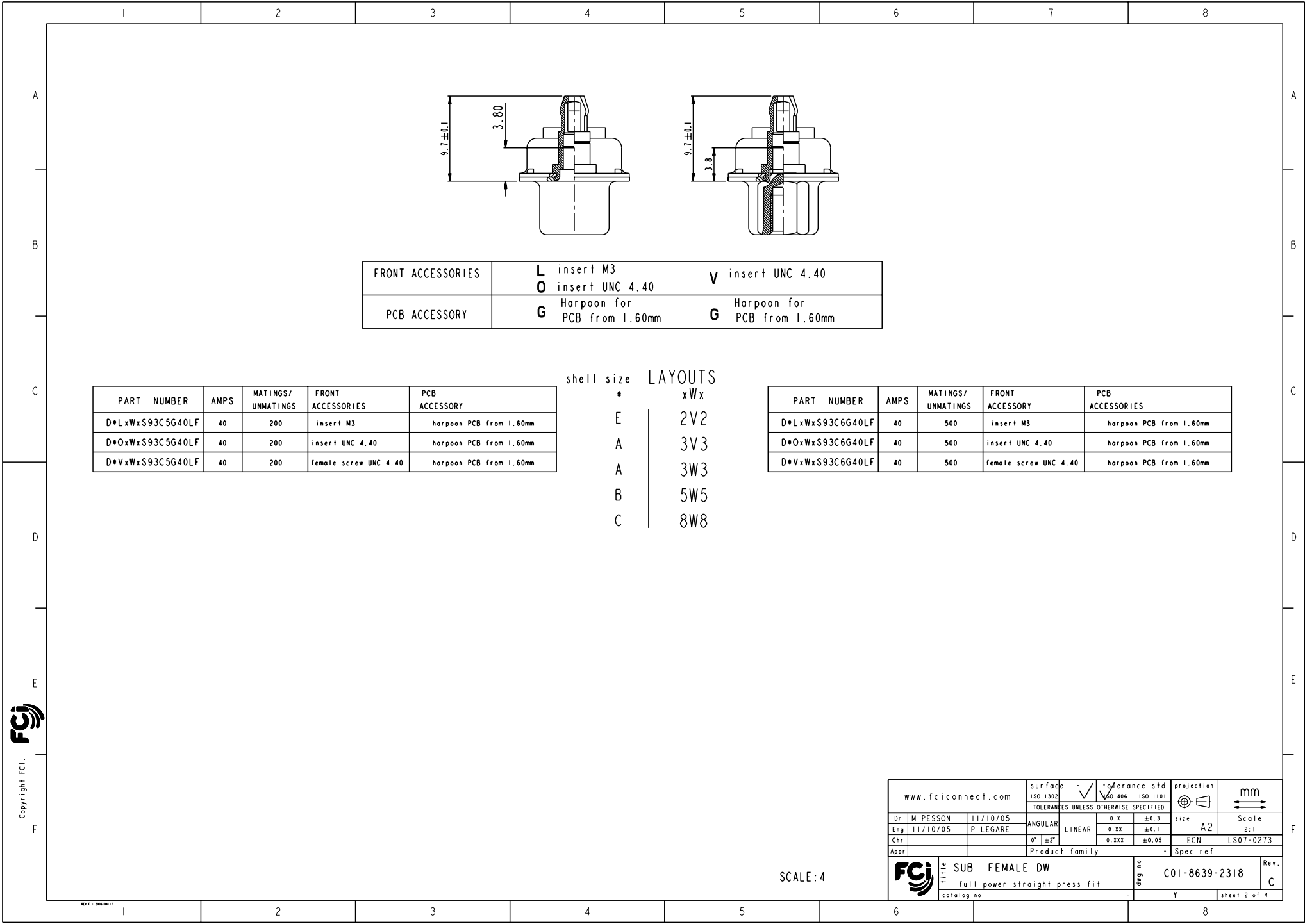
NOTE-1:THESE DIMENSIONS MUST BE RESPECT TO SECURE PRESS-FIT PIN PERFORMANCES.

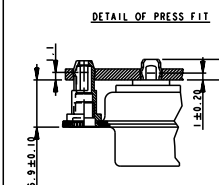
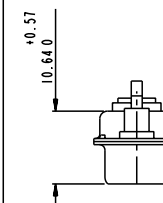
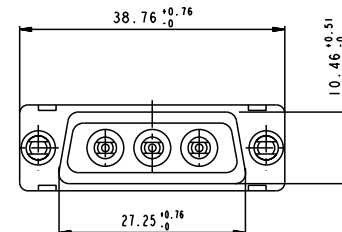
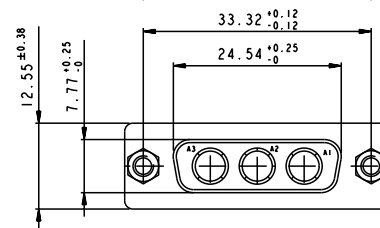
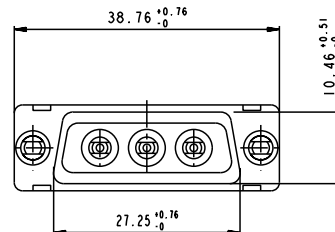
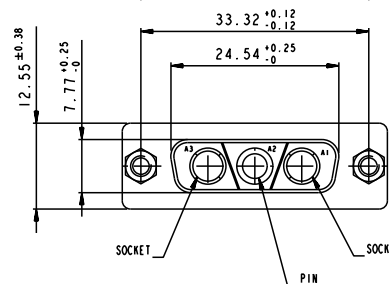
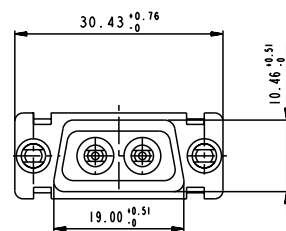
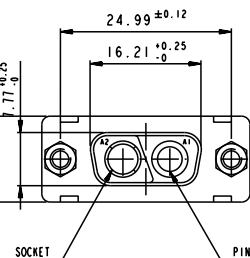
NOTE-2: ACCORDING TO IEC-352-5 SPEC.

NOTE-3: MAJOR REQUIREMENT FOR PRESS FIT PIN PERFORMANCE

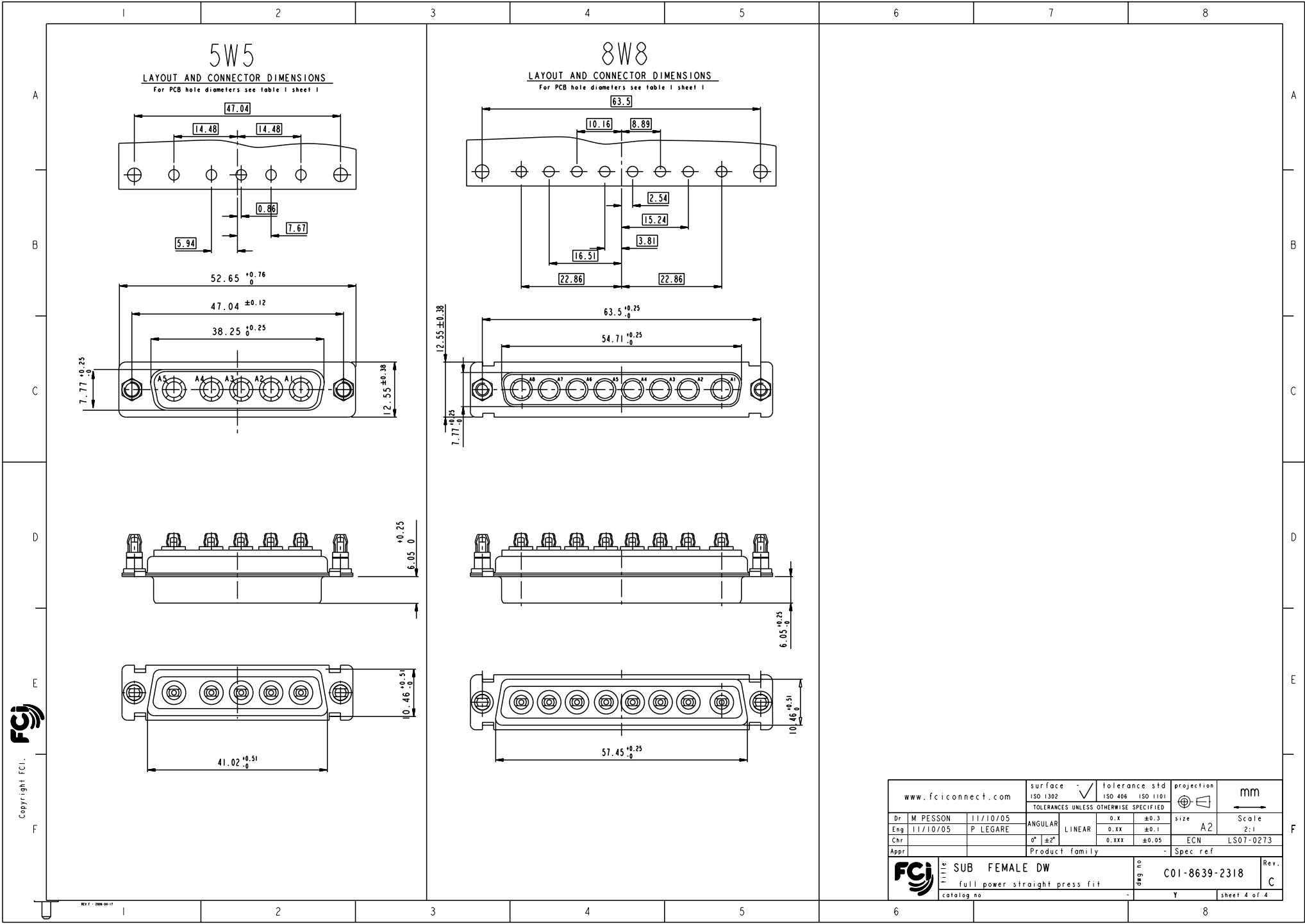
rev	ecn no	dr	date
B	LS06-0208	LGO	2006/12/13
C	LS07-0273	MPE	2007/11/05
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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	Scale
Eng 11/10/05		P LEGARE	LINEAR	0.XX	±0.1	2:1		
Chr			0° ±2°	0.XXX	±0.05	ECN	LS07-0273	
Appr			Product family	- Spec ref				
FCI		SUB FEMALE DW	full power straight press fit		deg no	C01-8639-2318		
catalog no					Y	sheet 1 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 ±0.3	size	A2	Scale 2:1
Eng	11/10/05	P LEGARE			0.XX ±0.1			
Chr			0° ±2°		0.XXX ±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



www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
Dr	M. PESSON	11/10/05	ANGULAR	0.X	±0.3		A2	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		full power straight press fit		C01-8639-2318		Rev. C
		catalog no				Y		sheet 4 of 4