

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

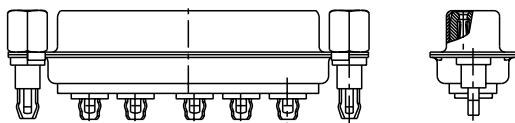
- Female screw : 0.5 N.m minimum

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

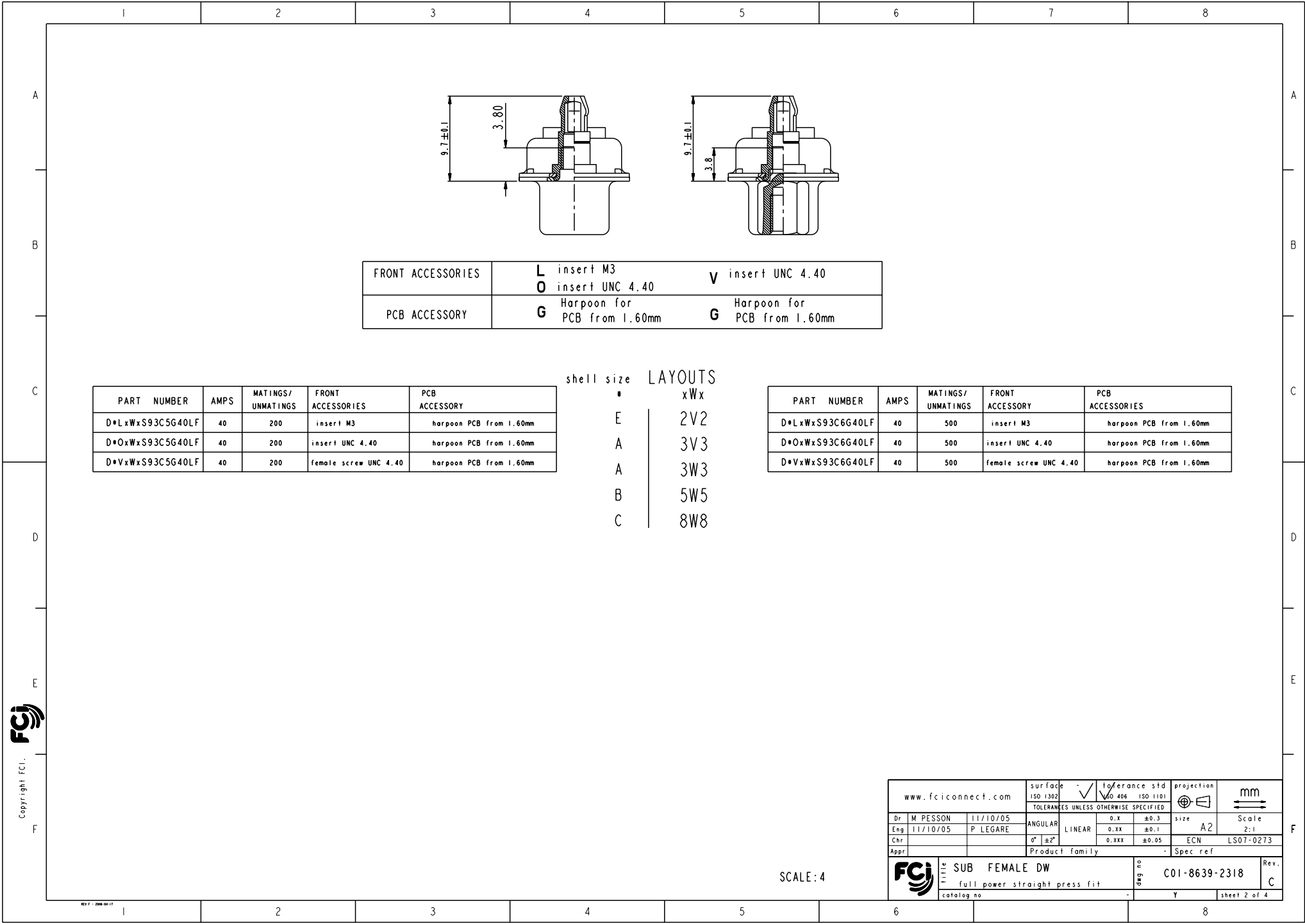
NOTE-1: THESE DIMENSIONS MUST BE RESPECT TO SECURE PRESS-FIT PIN PERFORMANCES.

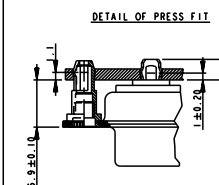
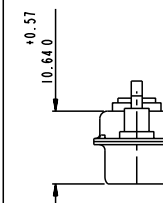
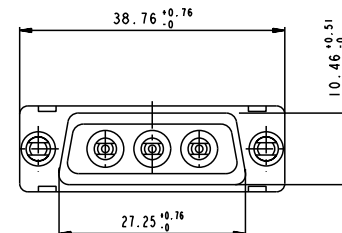
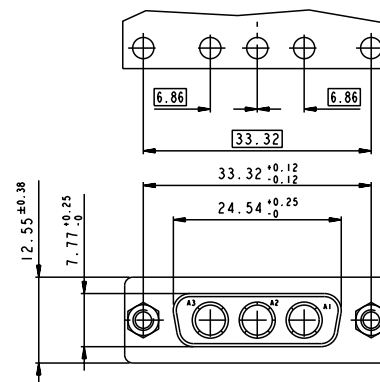
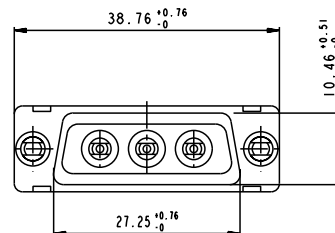
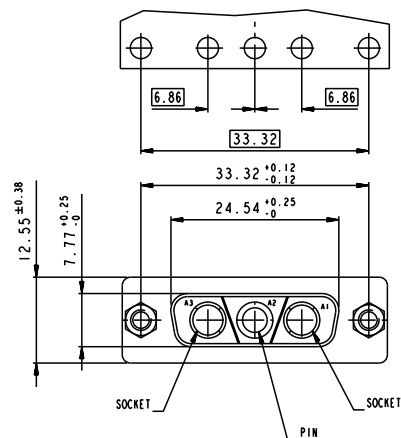
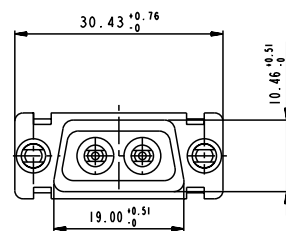
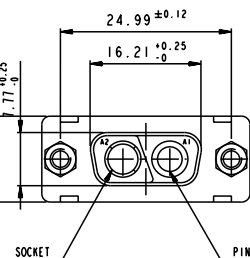
NOTE-2: ACCORDING TO IEC-352-5 SPEC.

NOTE-3: MAJOR REQUIREMENT FOR PRESS FIT PIN PERFORMANCE

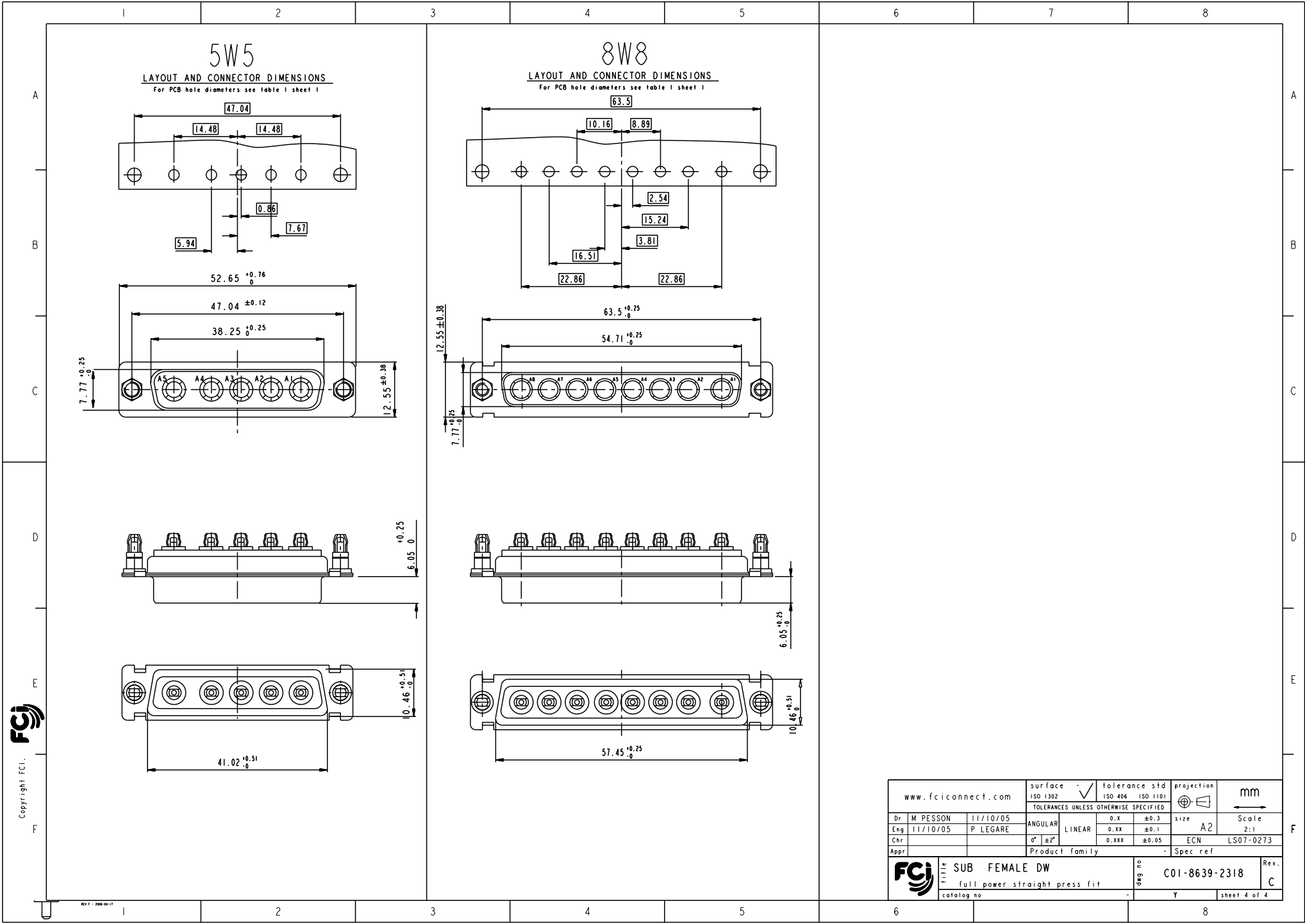
rev	ecn no	dr	date
B	LS06-0208	LGO	2006/12/13
C	LS07-0273	MPE	2007/11/05
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-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface	-	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	size	Scale
Eng 11/10/05		P LEGARE	LINEAR	0.XX	±0.1	A2	2:1
Chr			0° ±2°	0.XXX	±0.05	ECN	LS07-0273
Appr			Product family		- Spec ref		
FCI		SUB FEMALE DW	deg no		C01-8639-2318		
full power straight press fit		catalog no		Y		sheet 1 of 4	





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



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