

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: 30A or 40A

- CONTACT RESISTANCE: <= 7.3 mOhms

- CONTACT/CONTACT : >=1000 V

- CONTACT/GROUND : >=1200 V

- INSULATION RESISTANCE: >=5000 MOhms

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/21

TEMPERATURE RANGE -55°C TO +125°C

DAMP HEAT STEADY STATE 21 DAYS

SALT SPRAY 24 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.
- The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board. See application notes/procedures if they are available.
- Termination plating spec:
 - Ni 1.27µm+Sn 2.5 to 7.5µm(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

DBL5W5P500G30LF

Series

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

I : female screw M3

Layout of contacts (see sheet 3)

Contacts

P Pin

Termination type

5 Right angle/Europe standard

Plating

00 200 matings/unmatings

43 500 matings/unmatings

PCB accessories definition(see sheet 2)

A : without accessory

H : Metal brackets+harpoons for PCB 2.40mm

G : Metal brackets+harpoons for PCB 1.60mm

M : Metal brackets

Power contacts

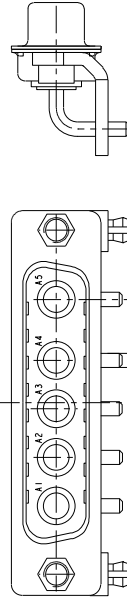
00 : Not fitted with power contact (signal contacts always fitted)

30 : Fitted with power contacts 30 Amp.

40 : Fitted with power contacts 40 Amp.

TABLE 1: PCB HOLE DIAMETERS

		POWER CONTACTS		ACCESSORIES	
		30 A	40 A	30 A	40 A
		2.00	2.80	Ø2.40	Ø3.10
Max current power		ØA 0	ØA 0	PCB HOLE +/ -0.1	PCB HOLE +/ -0.1

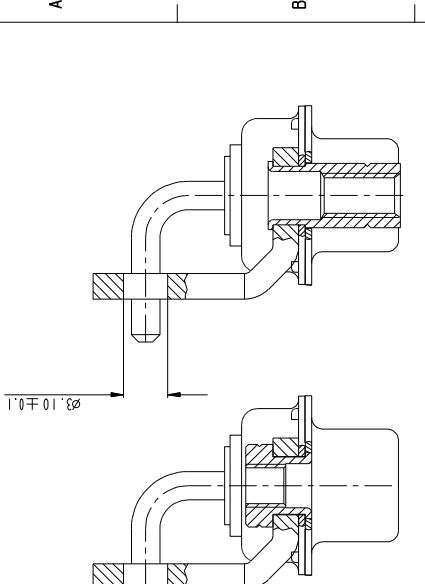
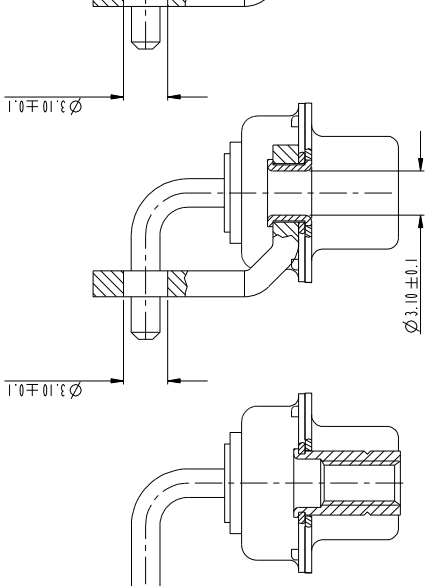
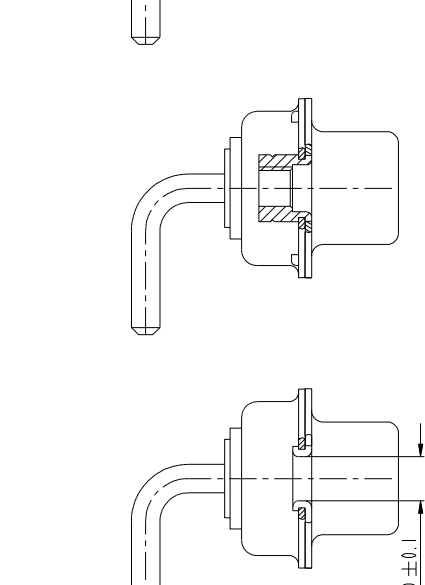
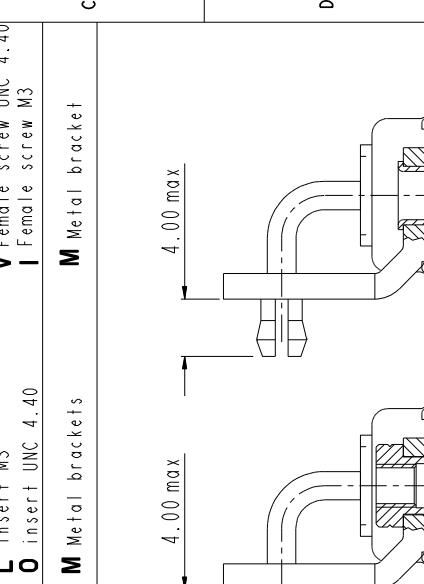
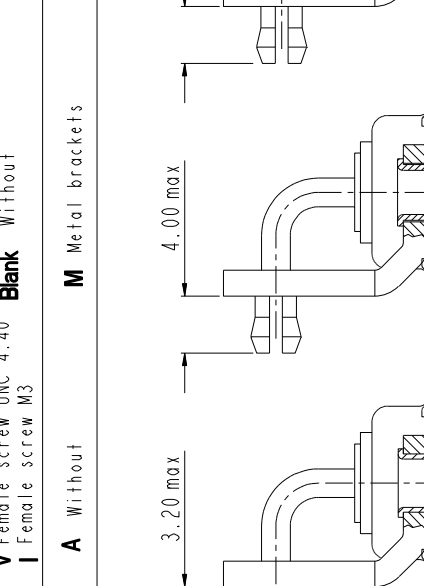
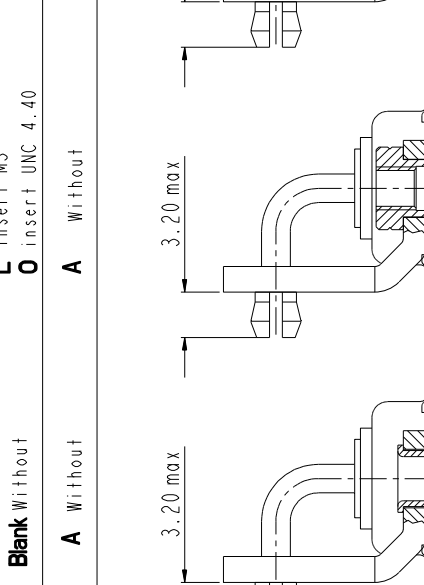
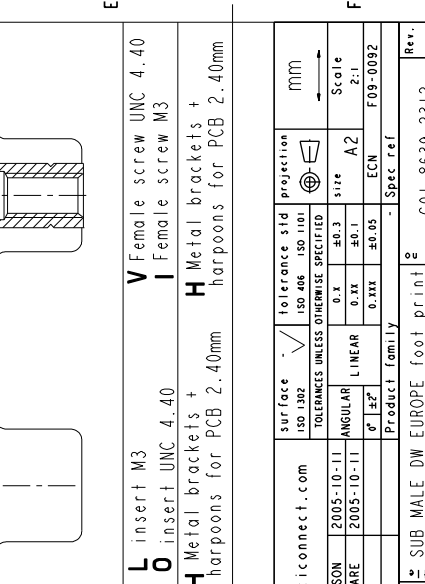
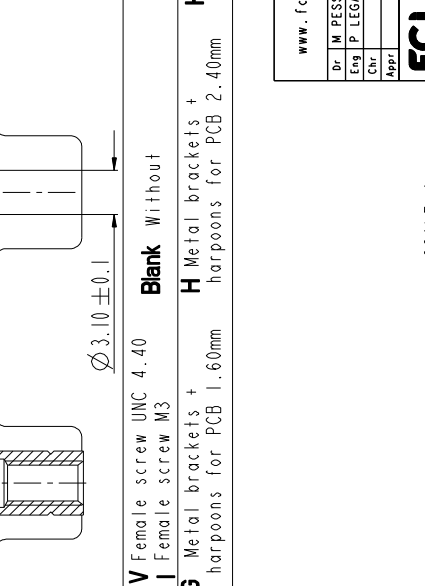
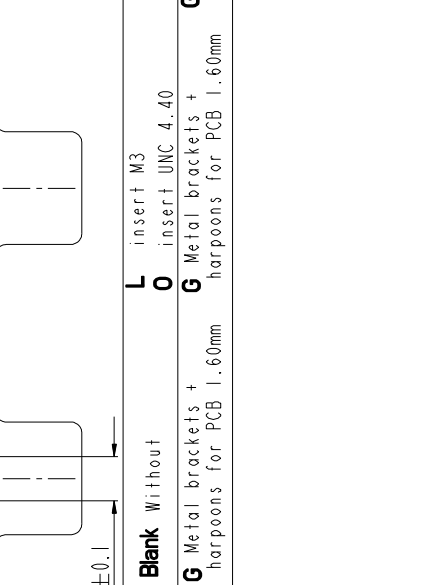
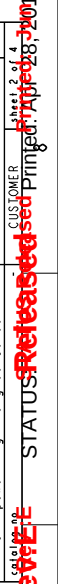
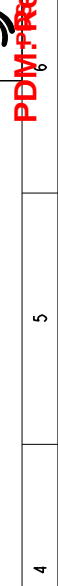


5W5 FOR EXAMPLE

www.fciconnect.com										surface		tolerance		std		projection		mm	
										ISO 1392		ISO 405		ISO 100					
										TOLERANCES UNLESS OTHERWISE SPECIFIED									
										ANGULAR		LINEAR		0.X		±0.3		size	
										0°		±2°		0.XX		±0.1		2:1	
										Product family								ECN	
																		F09-0092	
																		Spec ref	
																		a	
																		b	
																		COI-8639-2312	
																		E	

SUB MALE DW EUROPE foot print										full power right angled solder										Rev.																																							
A										B										C										D										E																			
Chr										Appr										Chr										Appr										Chr										Appr									
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M										PESSON										DW										LSA										LSA										LSA									
305-0113										306-0208										307-0213										109-0083										109-0092										109-0092									
WPE										LDG										WPE										LSA										LSA										LSA									
2005-10-11										2006-12-13										2007-11-05										2009-01-15										2009-01-15										2009-01-15									
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FCI										CUSTOMER										Sheet 1 of 4									
Date										Date										Date									
2005-10-11										2006-12-13										2007-11-05									
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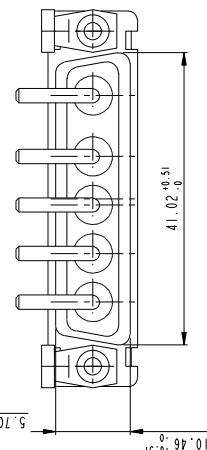
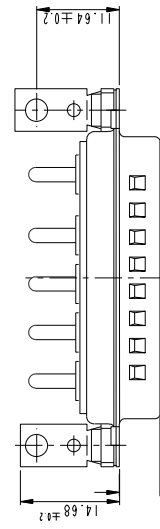
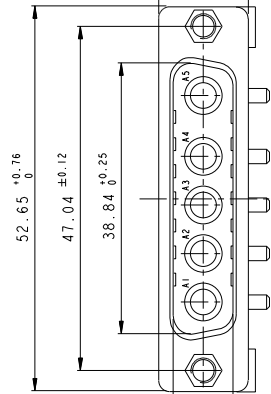
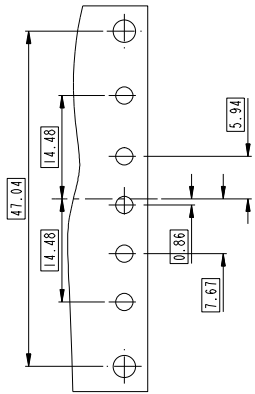
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A								
								
								
B								
								
								
C								
								
								
D								
								
								
E								
F								

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www.fciconnect.com		surface	tolerance	std	projection	mm
ISO 392		ISO 405	ISO 100			
TOLERANCES UNLESS OTHERWISE SPECIFIED		0.X	±0.3	size	A2	Scale
ANGULAR		L	±0.1	ECN	F09-0092	2:1
Dr M PESSON		Chr	±0.1	Product family		
Eng P LEGARE		Appr		Spec ref		
SUB MALE DW EUROPE foot print		Ret.				
full power right angled solder						
COI-8639-2312						
SCALE: 4						

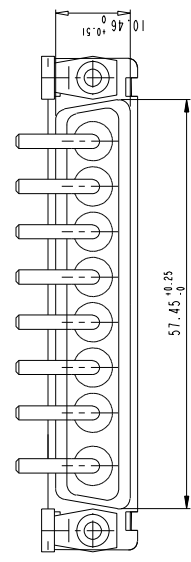
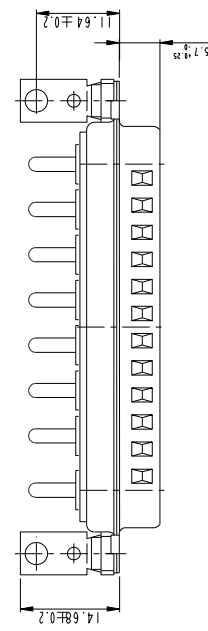
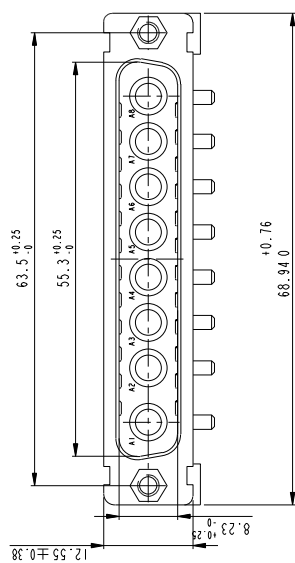
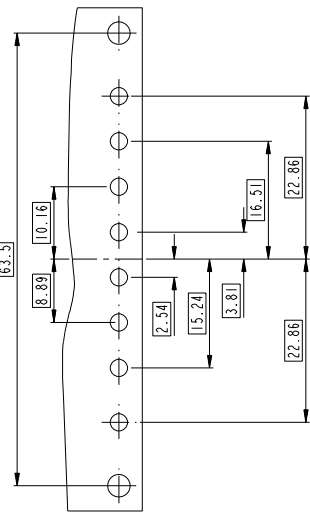
5W5

LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1



8W8

LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1



www.fciconnect.com		surface	tolerance	std	projection	mm
		ISO 392	ISO 405	ISO 100		
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M PESSON	2005-10-11	ANGULAR	0.X	±0.3	Scale
Eng	P LEGARE	2005-10-11	LINEAR	0.XX	±0.1	2:1
Chr			0"	±0.05	ECN	F09-0092
Appr			Product family	-	Spec. ref	
SUB MALE DW EUROPE foot print		full power right angled solder		Ret.		
				COI-8639-2312		E
FCI		CUSTOMER		Sheet 1 of 4		
		STATUS		Released		
		PDM: Review		Printed: Apr 28, 2015		
				0		