

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

- CONTACT RESISTANCE: <= 7.3 m ohms

- 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

DBL5W5P700G30LF

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

Layout of contacts (see sheets)

Contacts

P : Pin

Termination type

7 Right angle/USA

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

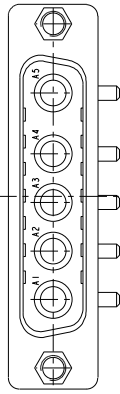
Power contacts

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

30 : Fitted with power contacts 30 Amp.

TABLE 1: PCB HOLE DIAMETERS

	POWER CONTACTS		ACCESSORIES	
	30 A	Ø 2.00	Ø 2.40	Ø 3.10
Max current power	Ø A 0	+0.1	PCB HOLE +/-0.1	PCB HOLE +/-0.1



5W5 FOR EXAMPLE

www.fciconnect.com		surface	tolerance	std	projection	mm
		ISO 3302	ISO 406	ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M	PESSON	2005-10-11	ANGULAR	0.X	±0.3
Eng	P	LEGARE	2005-10-11	LINEAR	0.XX	±0.1
Chr				Ø	±2°	
Appr				Product family	ECN	F09-0092
		- Spec ref				
		SUB MALE DW US foot print				
		full power right angled solder				
		Ret.				
		C01-8639-2313				
		D				

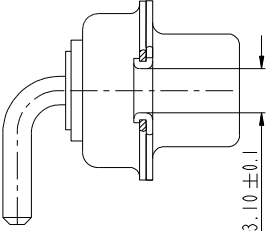
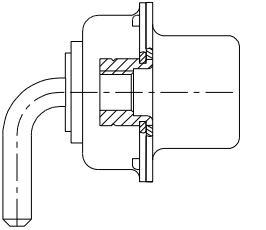
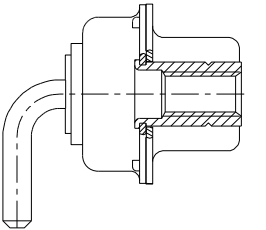
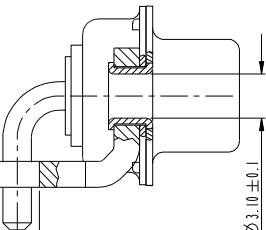
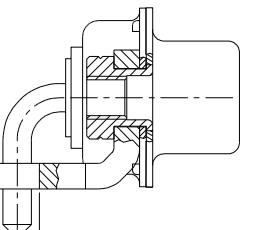
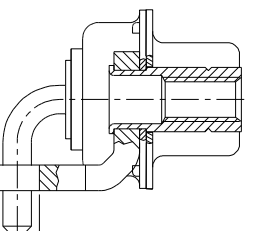
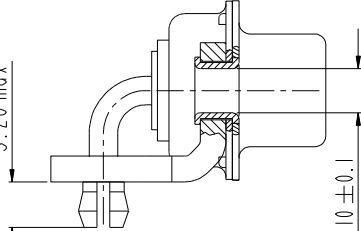
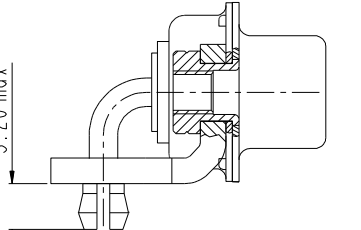
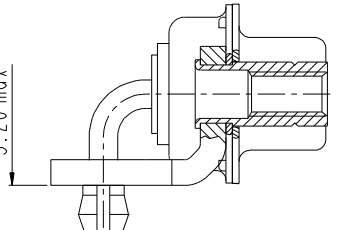
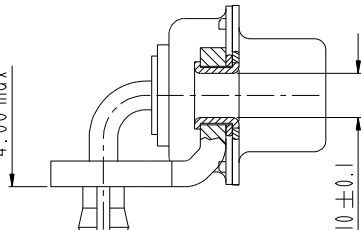
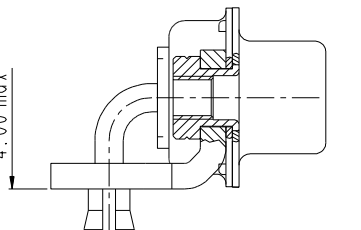
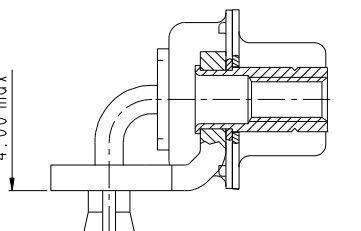
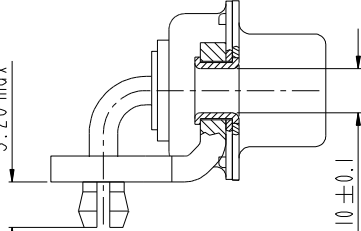
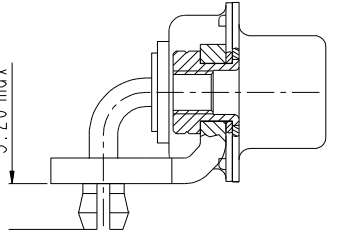
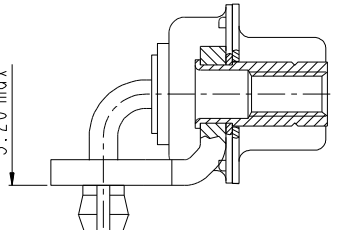
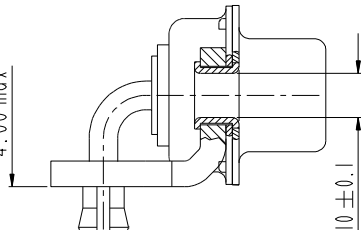
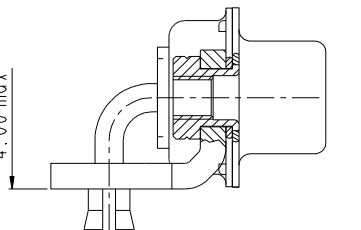
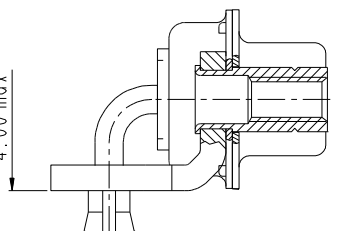
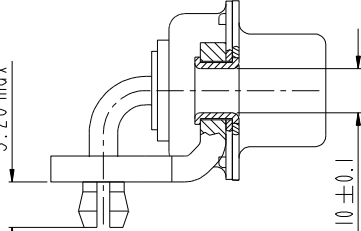
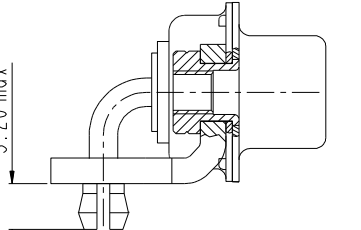
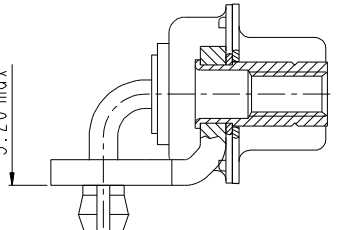
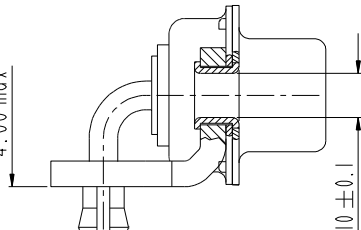
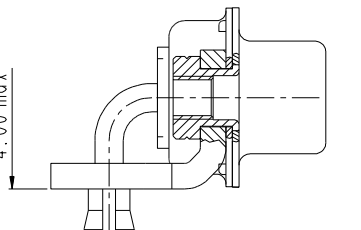
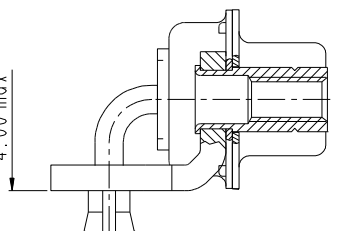
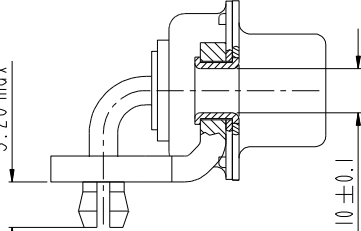
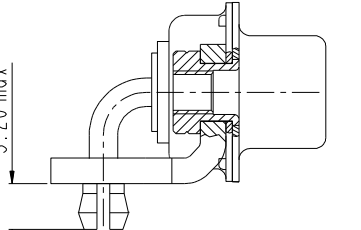
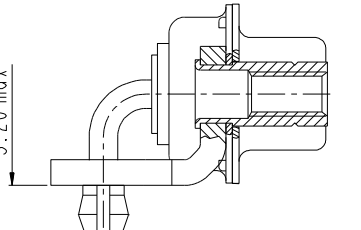
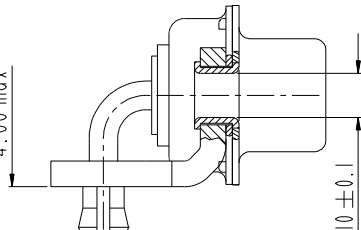
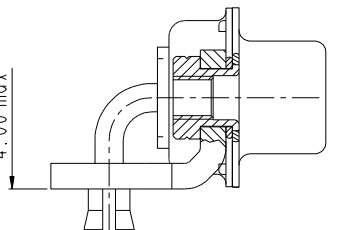
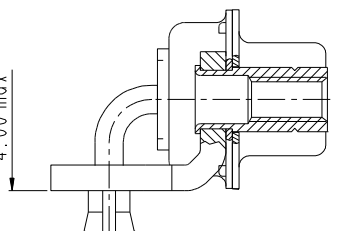
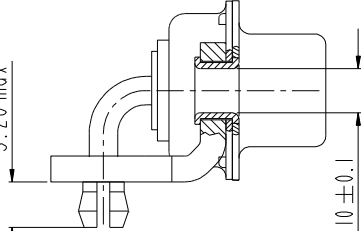
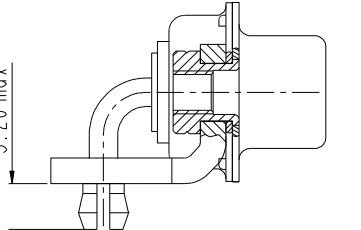
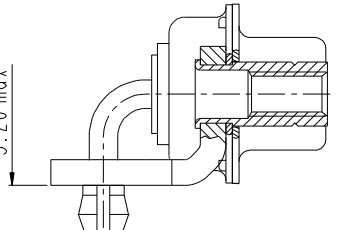
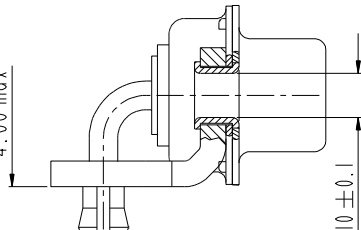
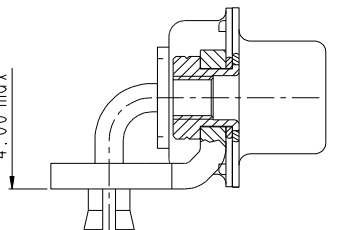
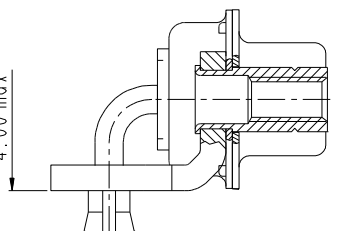
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C	E307-0213	WPE	2007-11-05	
D	F09-0092	LSA	2009/09/16	

Dr	M	PESSON	2005-10-11	ANGULAR	0.X	±0.3
Eng	P	LEGARE	2005-10-11	LINEAR	0.XX	±0.1
Chr				Ø	±2°	
Appr				Product family	ECN	F09-0092
		- Spec ref				
		SUB MALE DW US foot print				
		full power right angled solder				
		Ret.				
		C01-8639-2313				
		D				

Dr	M	PESSON	2005-10-11	ANGULAR	0.X	±0.3
Eng	P	LEGARE	2005-10-11	LINEAR	0.XX	±0.1
Chr				Ø	±2°	
Appr				Product family	ECN	F09-0092
		- Spec ref				
		SUB MALE DW US foot print				
		full power right angled solder				
		Ret.				
		C01-8639-2313				
		D				

Dr	M	PESSON	2005-10-11	ANGULAR	0.X	±0.3
Eng	P	LEGARE	2005-10-11	LINEAR	0.XX	±0.1
Chr				Ø	±2°	
Appr				Product family	ECN	F09-0092
		- Spec ref				
		SUB MALE DW US foot print				
		full power right angled solder				
		Ret.				
		C01-8639-2313				
		D				



	1	2	3	4	5	6	7	8
A	FRONT ACCESSORY							V insert UNC 4.40
B	PCB ACCESSORIES							L insert M3 O insert UNC 4.40
C	FRONT ACCESSORY							L insert M3 O insert UNC 4.40
D	PCB ACCESSORIES							L insert M3 O insert UNC 4.40
E	FRONT ACCESSORY							L insert M3 O insert UNC 4.40
F	PCB ACCESSORIES							L insert M3 O insert UNC 4.40

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www.fciconnect.com		surface	tolerance	std	projection	mm
ISO 392		ISO 405	ISO 100	ISO 100	ISO 100	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR	0.1	±0.3	size	Scale
Dr M PESSON		2005-10-11	2005-10-11	2005-10-11	2:1	2:1
Eng P LEGARE		2005-10-11	2005-10-11	2005-10-11	2:1	2:1
Chr		0.1	±0.1	±0.1	ECN	F09-0092
Appr		Product family	Spec ref	Spec ref	Spec ref	Spec ref

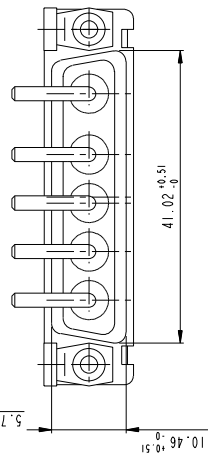
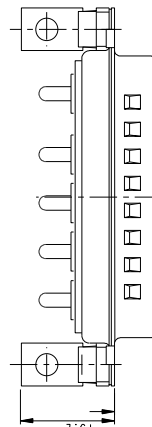
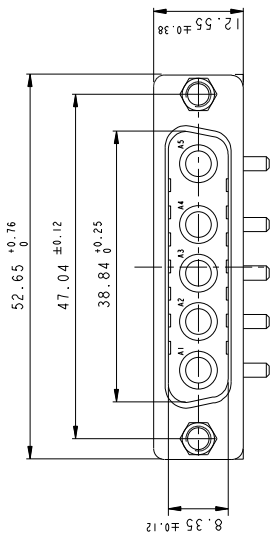
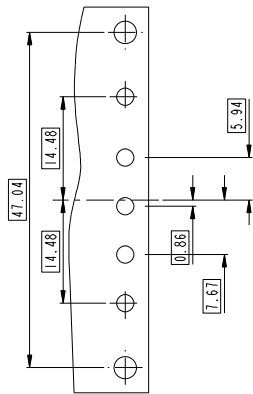
SUB		MALE DW	US foot print	Ret.
full power right angled solder		COI-8639-2313	D	
CUSTOMER		Printed: Apr 28, 2015	Sheet 2 of 3	

SCALE: 4

www.fciconnect.com		surface	tolerance std	projection	mm
		1502	150 100 100		
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size	
Dr	M PESSON	ANGULAR	0.1 ±0.3	A2	Scale
Eng	P LEGARE	LINEAR	0.1 ±0.1		2:1
Chr		0° ±2°	0.1xx ±0.5	ECN	F09-0092
Appr		Product family		Spec ref	

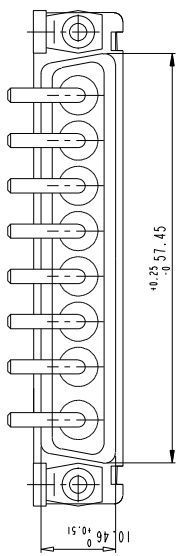
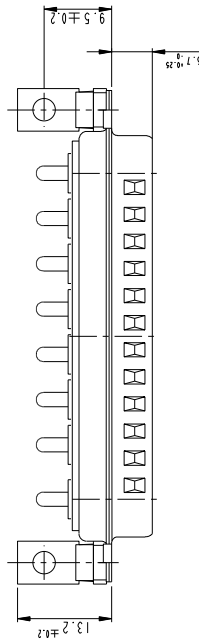
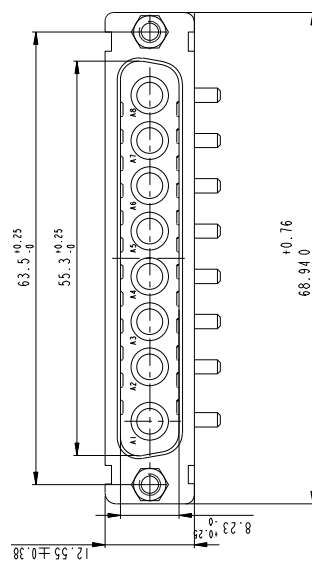
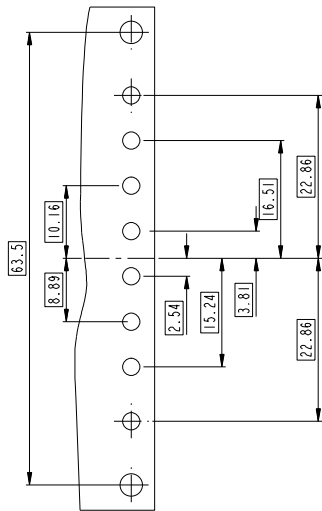
5W5

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 1392	ISO 406	ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M	PESSON	2005-10-11	ANGULAR	0.X	±0.3
Eng	P	LEGARE	2005-10-11	LINEAR	0.XX	±0.1
Chr				0"	±2°	
Appr		Product family		Spec ref		
		SUB MALE DW US foot print		Ret.		
		full power right angled solder		0		
		COI-8639-2313		D		
		Scale		2:1		
		ECN		F09-0092		
		CUSTOMER		FCI		
		Sheet 3 of 3		Printed: Apr 28, 2015		
		STATUS		Released		
		PDM-Reviewed		2015-04-28		