

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC UL94V0
- CONTACT MATERIAL: PHOSPHOR BRONZE( SIGNAL CONTACT )  
BRASS (POWERS CONTACT)
- ACCESSORIES: BRASS
- SHELLS: STEEL

ELECTRICAL CHARACTERISTICS

- NOMINAL CURRENT: 7.5A (SIGNAL CONTACT)  
30A or 40A (POWER CONTACT)
- CONTACT RESISTANCE: <=7.3 m Ohms(SIGNAL and POWER)
- 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 48 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:
  - Signal contacts: Ni + Gold
  - Power contacts: Ni 1.27µm+Sn 2.5 to 7.5µm,pure bright
- Active area plating spec:
  - Signal and power contacts: Ni + Gold
- Shell plating :2 to 4µm Cu + nickel + 3 to 10µmm Sn,pure bright
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920

# DBL13W3S500G30LF

Series

Shell size: **E A B C D**  
(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

**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

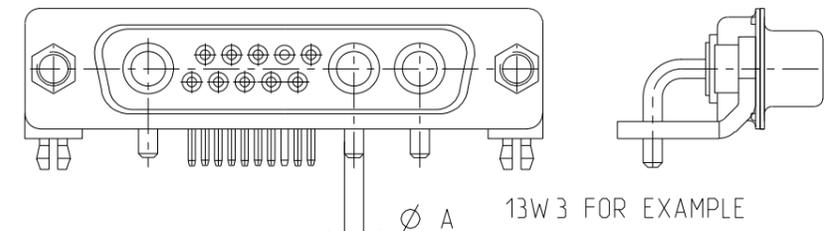
Power contacts

- 00** :Not fitted with power contact (signal contacts always fitted)
- 30** :Fitted with power contacts 30 Amp.
- 40** :Fitted with power contacts 40 Amp.

See note RoHS

TABLE 1:PCB HOLE DIAMETERS

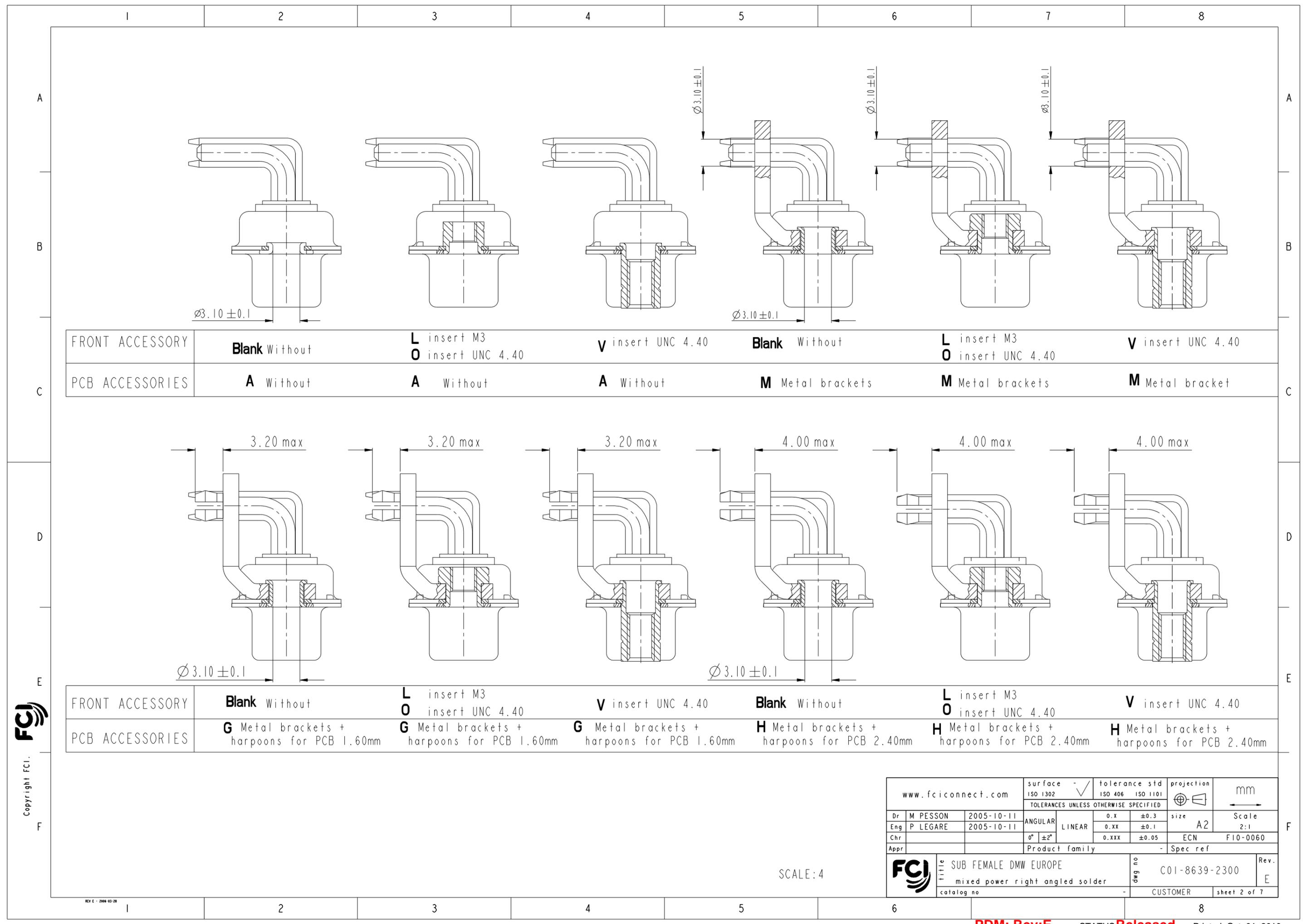
	POWER CONTACTS		ACCESSORIES	SIGNAL CONTACT
30 A	2.00	Ø2.40	Ø3.10	Ø0.9 min
40 A	2.80	Ø3.10		
Max current power	ØA <sup>+0.1</sup> <sub>0</sub>	PCB HOLE ±0.1	PCB HOLE ±0.1	PCB HOLE



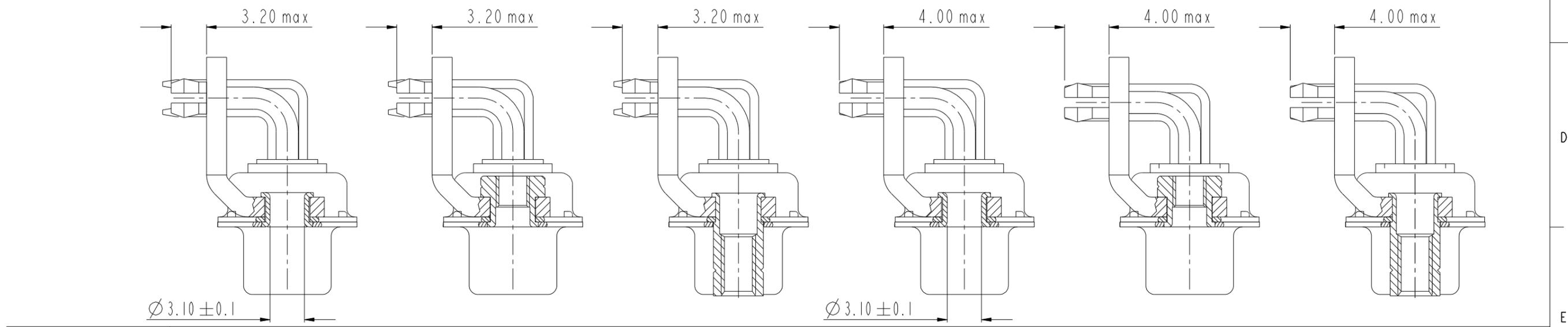
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A	LS05-0101	MPE	2005-10-11
B	LS06-0208	LGO	2006-12-12
C	LS07-0273	MPE	2007/10/31
D	F09-0092	LSA	2009/09/16
E	F10-0060	LSA	2010/06/01
-	-	-	-
-	-	-	-

www.fciconnect.com		surface	-	tolerance std	ISO 1302	ISO 1101	projection	mm
Dr M PESSON 2005-10-11		ANGULAR		TOLERANCES UNLESS OTHERWISE SPECIFIED		0.X ±0.3	size	Scale
Eng P LEGARE 2005-10-11		LINEAR		0.XX ±0.1	0.XXX ±0.05	A2	2:1	
Chr		0° ±2°		ECN		F10-0060		
Appr		Product family		- Spec ref				
FCI		title		SUB FEMALE DMW EUROPE		dwg no		
mixed power right angled solder		catalog no		- CUSTOMER		sheet 1 of 7		
				C01-8639-2300		Rev. E		

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FRONT ACCESSORY	<b>Blank</b> Without	<b>L</b> insert M3 <b>O</b> insert UNC 4.40	<b>v</b> insert UNC 4.40	<b>Blank</b> Without	<b>L</b> insert M3 <b>O</b> insert UNC 4.40	<b>V</b> insert UNC 4.40
PCB ACCESSORIES	<b>A</b> Without	<b>A</b> Without	<b>A</b> Without	<b>M</b> Metal brackets	<b>M</b> Metal brackets	<b>M</b> Metal bracket



FRONT ACCESSORY	<b>Blank</b> Without	<b>L</b> insert M3 <b>O</b> insert UNC 4.40	<b>v</b> insert UNC 4.40	<b>Blank</b> Without	<b>L</b> insert M3 <b>O</b> insert UNC 4.40	<b>V</b> insert UNC 4.40
PCB ACCESSORIES	<b>G</b> Metal brackets + harpoons for PCB 1.60mm	<b>G</b> Metal brackets + harpoons for PCB 1.60mm	<b>G</b> Metal brackets + harpoons for PCB 1.60mm	<b>H</b> Metal brackets + harpoons for PCB 2.40mm	<b>H</b> Metal brackets + harpoons for PCB 2.40mm	<b>H</b> Metal brackets + harpoons for PCB 2.40mm

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www.fciconnect.com		surface - ✓	tolerance std	projection	mm
		ISO 1302	ISO 406 ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED			Scale 2:1
Dr	M PESSON	2005-10-11	ANGULAR	0.X ±0.3	size A2
Eng	P LEGARE	2005-10-11	LINEAR	0.XX ±0.1	
Chr			0° ±2°	0.XXX ±0.05	ECN F10-0060
Appr			Product family	-	Spec ref
	SUB FEMALE DMW EUROPE		dwg no	C01-8639-2300	
	mixed power right angled solder		Rev.	E	
	catalog no	-	CUSTOMER	sheet 2 of 7	

SCALE: 4

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS500A30LF	30	200	without	without
D*LxWxS500A30LF	30	200	insert M3	without
D*OxWxS500A30LF	30	200	insert UNC 4.40	without
D*VxWxS500A30LF	30	200	female screw UNC 4.40	without
D*xWxS500H30LF	30	200	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS500H30LF	30	200	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS500H30LF	30	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS500H30LF	30	200	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS500G30LF	30	200	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS500G30LF	30	200	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS500G30LF	30	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS500G30LF	30	200	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS500M30LF	30	200	without	metal bracket
D*LxWxS500M30LF	30	200	insert M3	metal bracket
D*OxWxS500M30LF	30	200	insert UNC 4.40	metal bracket
D*VxWxS500M30LF	30	200	female screw UNC 4.40	metal bracket

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS500A40LF	40	200	without	without
D*LxWxS500A40LF	40	200	insert M3	without
D*OxWxS500A40LF	40	200	insert UNC 4.40	without
D*VxWxS500A40LF	40	200	female screw UNC 4.40	without
D*xWxS500H40LF	40	200	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS500H40LF	40	200	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS500H40LF	40	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS500H40LF	40	200	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS500G40LF	40	200	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS500G40LF	40	200	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS500G40LF	40	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS500G40LF	40	200	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS500M40LF	40	200	without	metal bracket
D*LxWxS500M40LF	40	200	insert M3	metal bracket
D*OxWxS500M40LF	40	200	insert UNC 4.40	metal bracket
D*VxWxS500M40LF	40	200	female screw UNC 4.40	metal bracket

shell size \*  
E  
A  
A  
B  
B  
B  
B  
C  
C  
C  
D

LAYOUTS  
xWx  
5W1  
11W1  
7W2  
21W1  
17W2  
13W3  
9W4  
25W3  
21WA4  
27W2  
24W7

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS543A30LF	30	500	without	without
D*LxWxS543A30LF	30	500	insert M3	without
D*OxWxS543A30LF	30	500	insert UNC 4.40	without
D*VxWxS543A30LF	30	500	female screw UNC 4.40	without
D*xWxS543H30LF	30	500	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS543H30LF	30	500	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS543H30LF	30	500	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS543H30LF	30	500	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS543G30LF	30	500	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS543G30LF	30	500	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS543G30LF	30	500	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS543G30LF	30	500	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS543M30LF	30	500	without	metal bracket
D*LxWxS543M30LF	30	500	insert M3	metal bracket
D*OxWxS543M30LF	30	500	insert UNC 4.40	metal bracket
D*VxWxS543M30LF	30	500	female screw UNC 4.40	metal bracket

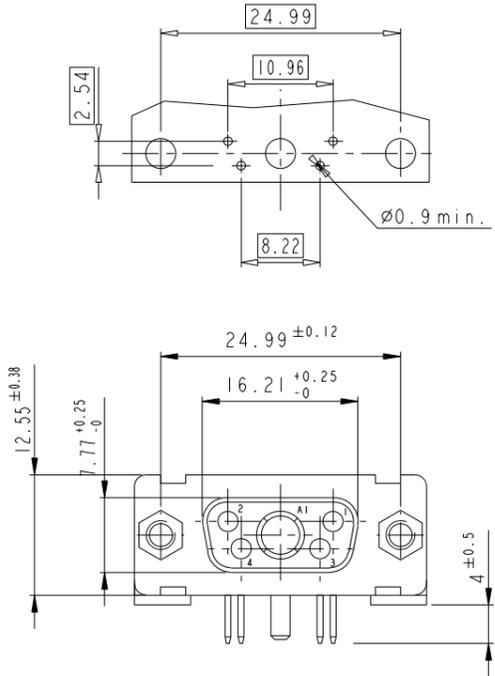
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D*LxWxS543A40LF	40	500	insert M3	without
D*OxWxS543A40LF	40	500	insert UNC 4.40	without
D*VxWxS543A40LF	40	500	female screw UNC 4.40	without
D*xWxS543H40LF	40	500	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS543H40LF	40	500	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS543H40LF	40	500	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS543H40LF	40	500	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS543G40LF	40	500	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS543G40LF	40	500	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS543G40LF	40	500	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS543G40LF	40	500	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS543M40LF	40	500	without	metal bracket
D*LxWxS543M40LF	40	500	insert M3	metal bracket
D*OxWxS543M40LF	40	500	insert UNC 4.40	metal bracket
D*VxWxS543M40LF	40	500	female screw UNC 4.40	metal bracket

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www.fciconnect.com		surface <input checked="" type="checkbox"/> ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm
		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°	0.XXX	±0.05
Appr			Product family	-	Spec ref
		SUB FEMALE DMW EUROPE		dwg no	C01-8639-2300
		mixed power right angled solder			Rev. E
		catalog no	-	CUSTOMER	sheet 3 of 7

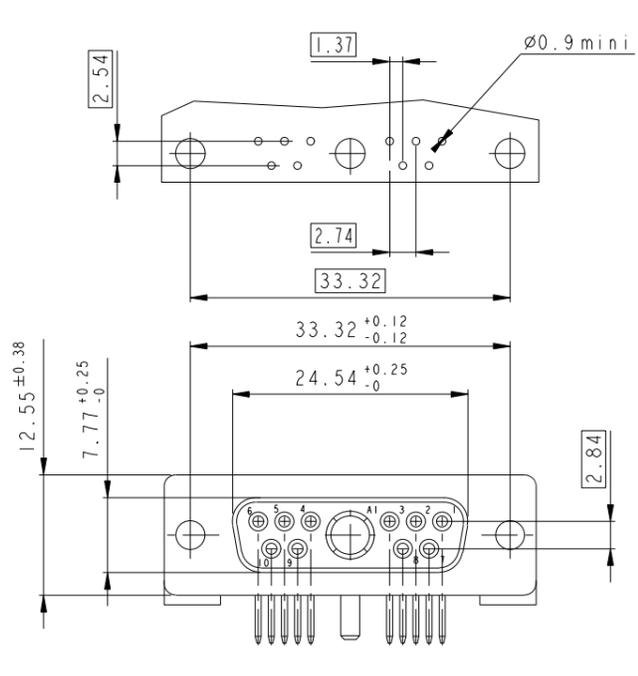
5W1

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



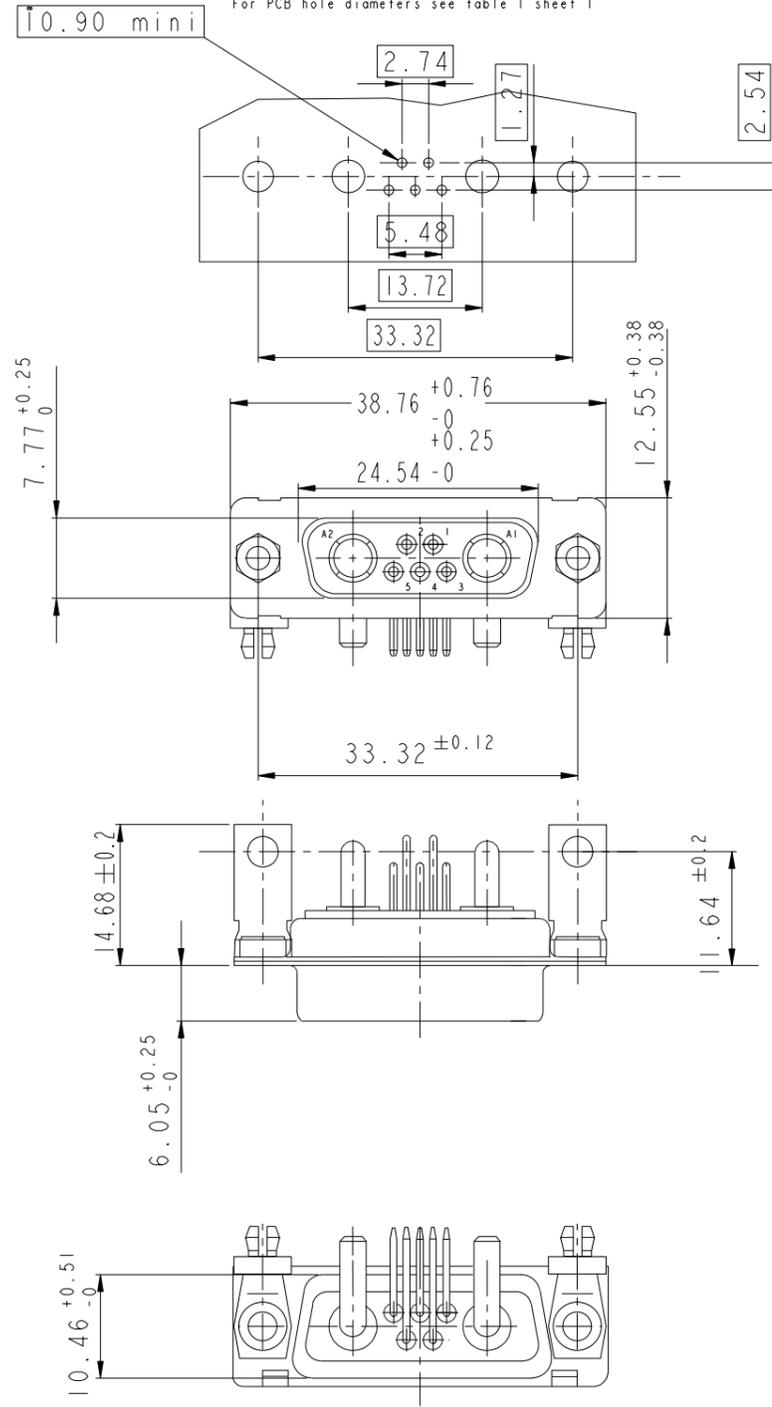
11W1

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

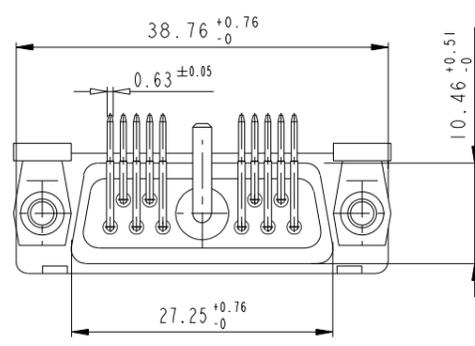
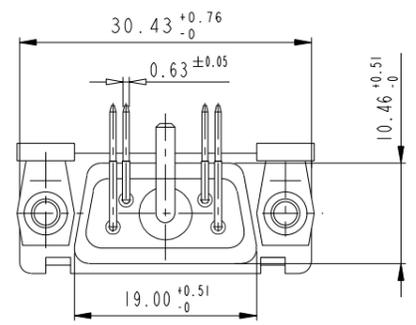
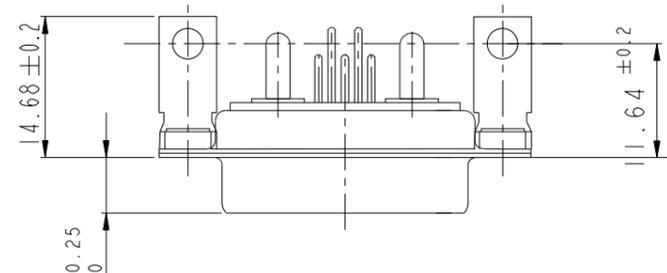
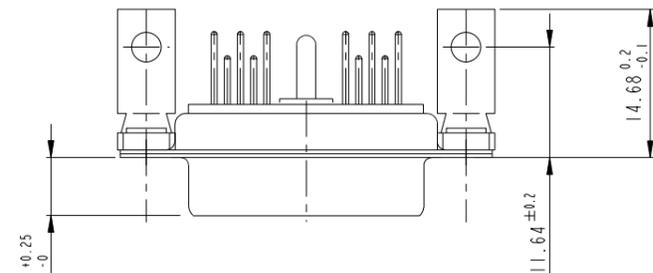
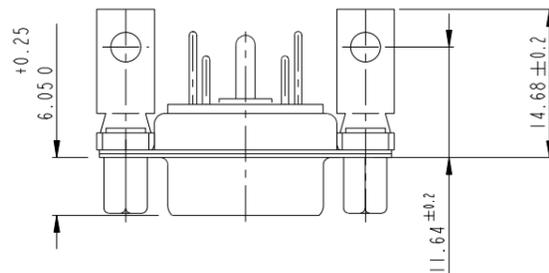
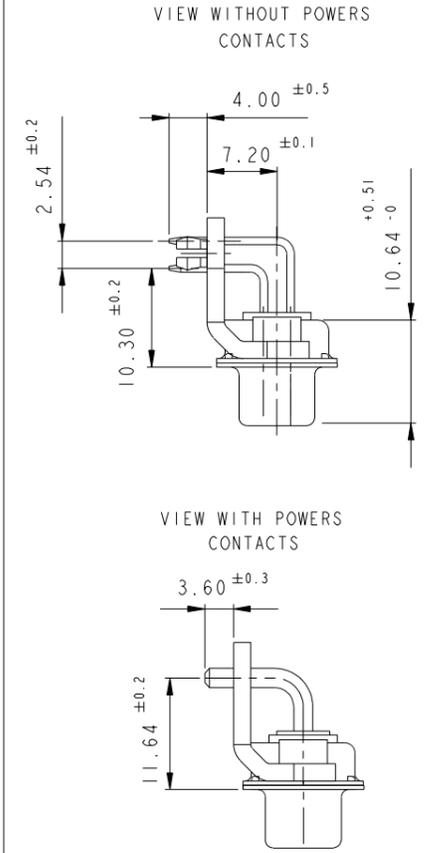


7W2

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



SIDE VIEW FOR ALL LAYOUTS  
(except size D)

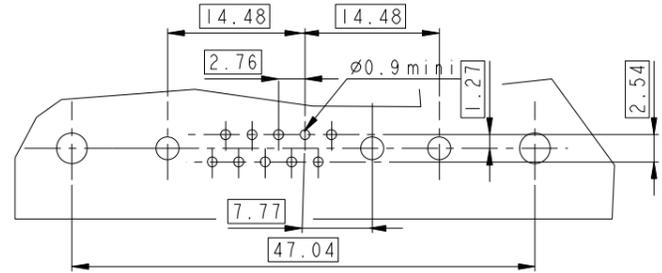


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www.fciconnect.com		surface	tolerance std	projection	mm
Dr	M PESSON	ISO 1302	ISO 406 ISO 1101		
Eng	P LEGARE	TOLERANCES UNLESS OTHERWISE SPECIFIED		size	Scale
Chr		ANGULAR	0.X ±0.3	A2	2:1
Appr		LINEAR	0.XX ±0.1	ECN	F10-0060
		0° ±2°	0.XXX ±0.05	Product family	Spec ref
		SUB FEMALE DMW EUROPE		dwg no	Rev.
		mixed power right angled solder		C01-8639-2300	E
		catalog no		CUSTOMER	sheet 4 of 7

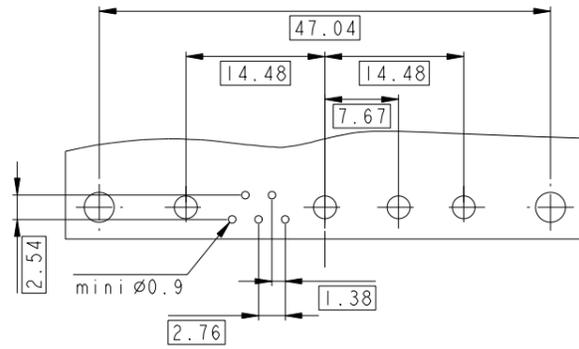
13W3

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



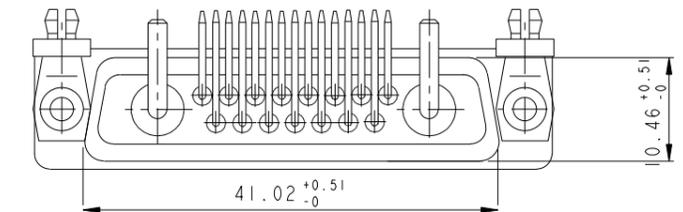
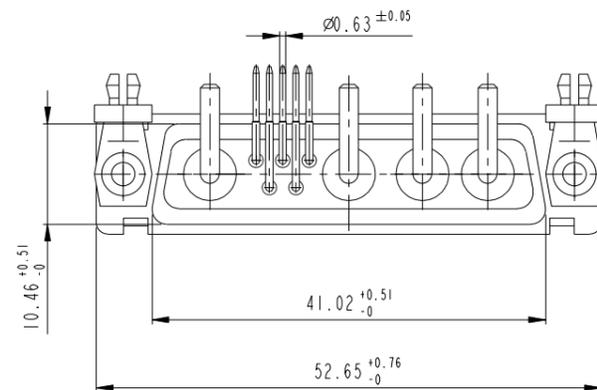
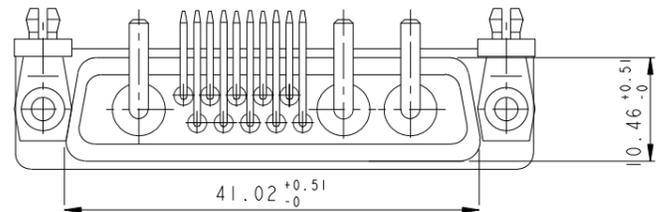
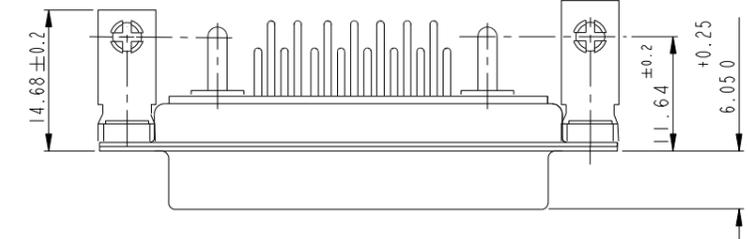
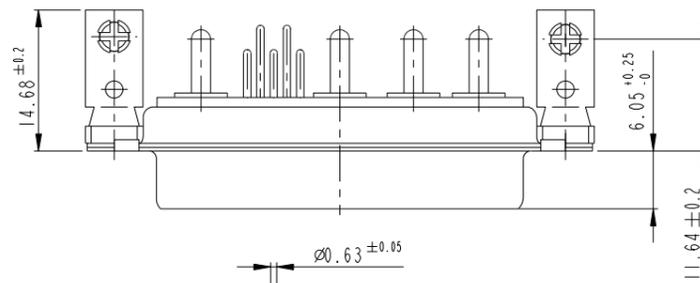
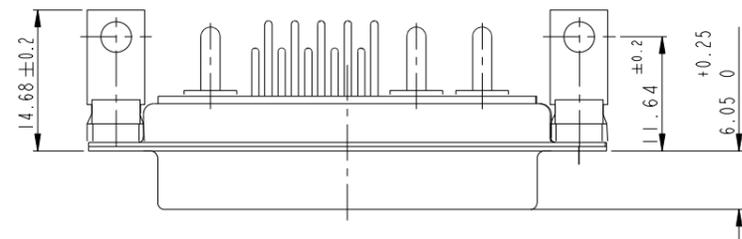
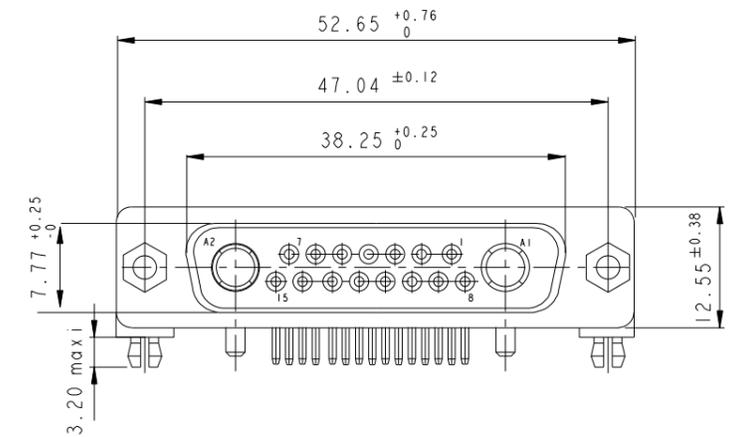
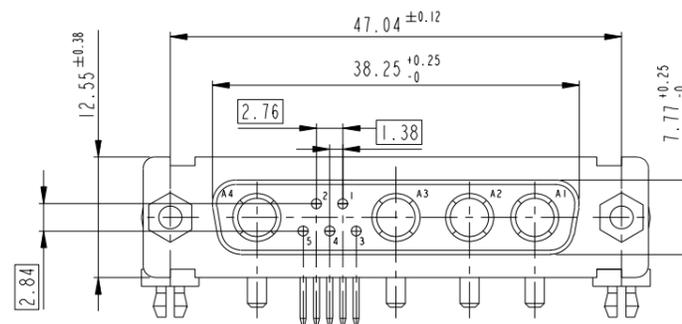
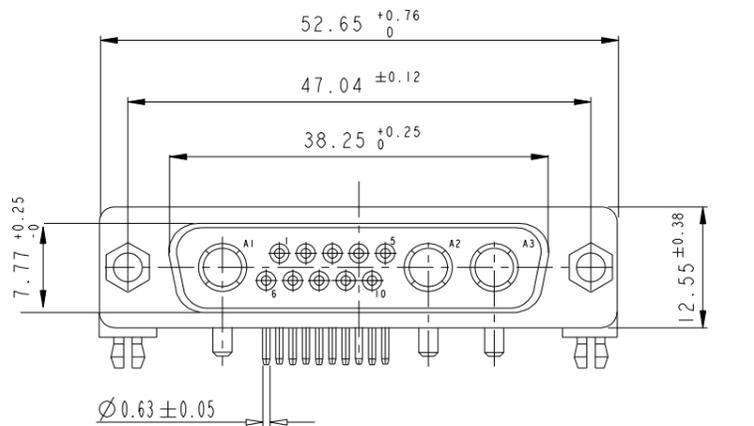
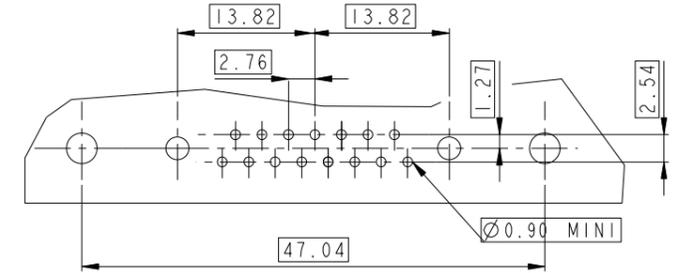
9W4

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



17W2

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



Floating signal contacts



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Dr	M PESSON	2005-10-11	TOLERANCES UNLESS OTHERWISE SPECIFIED		0.X	±0.3	size A2
Eng	P LEGARE	2005-10-11	ANGULAR	LINEAR	0.XX	±0.1	Scale 2:1
Chr			0° ±2°		0.XXX	±0.05	ECN F10-0060
Appr			Product family				Spec ref
FCI		SUB FEMALE DMW EUROPE			dwg no		Rev.
		mixed power right angled solder			C01-8639-2300		E
		catalog no			CUSTOMER		sheet 5 of 7

REV E - 2004-03-28

1

2

3

4

5

6

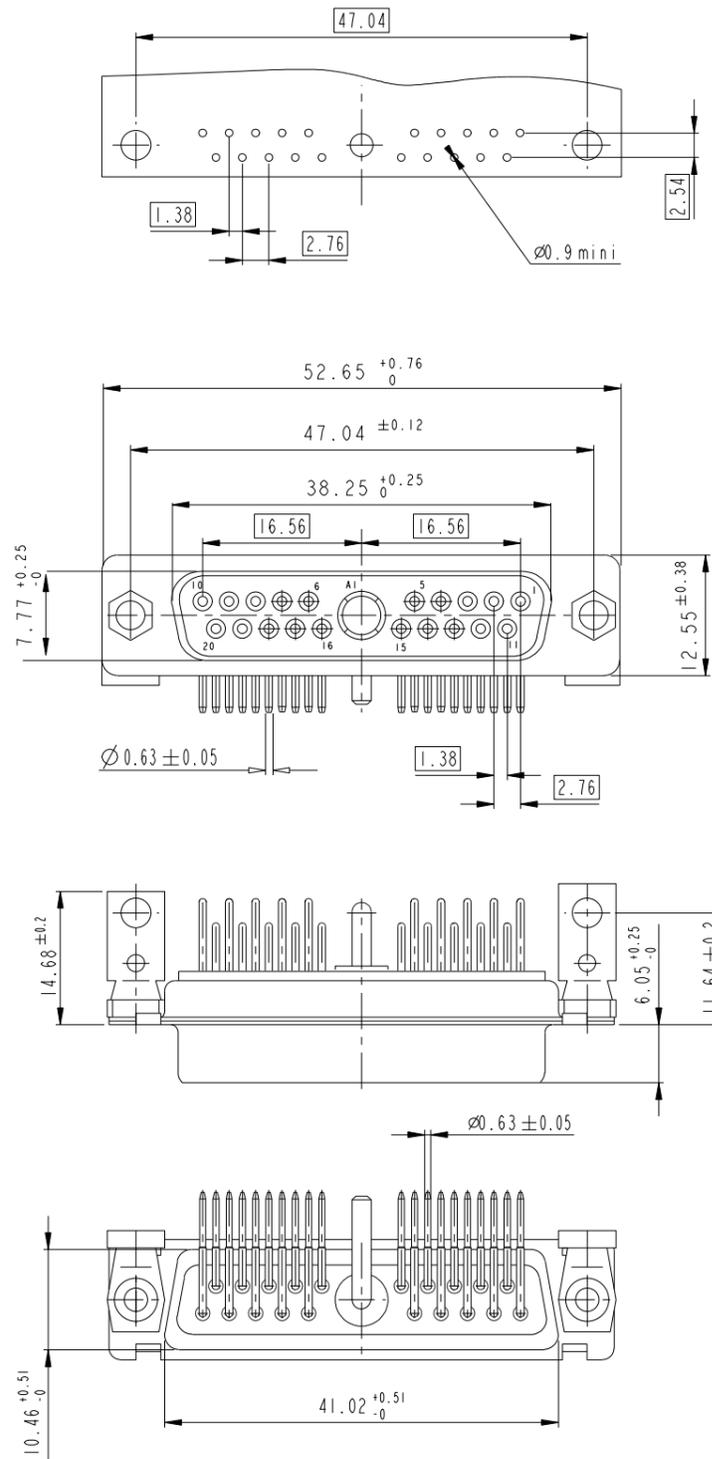
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8

# 21W1

## LAYOUT AND CONNECTOR DIMENSIONS

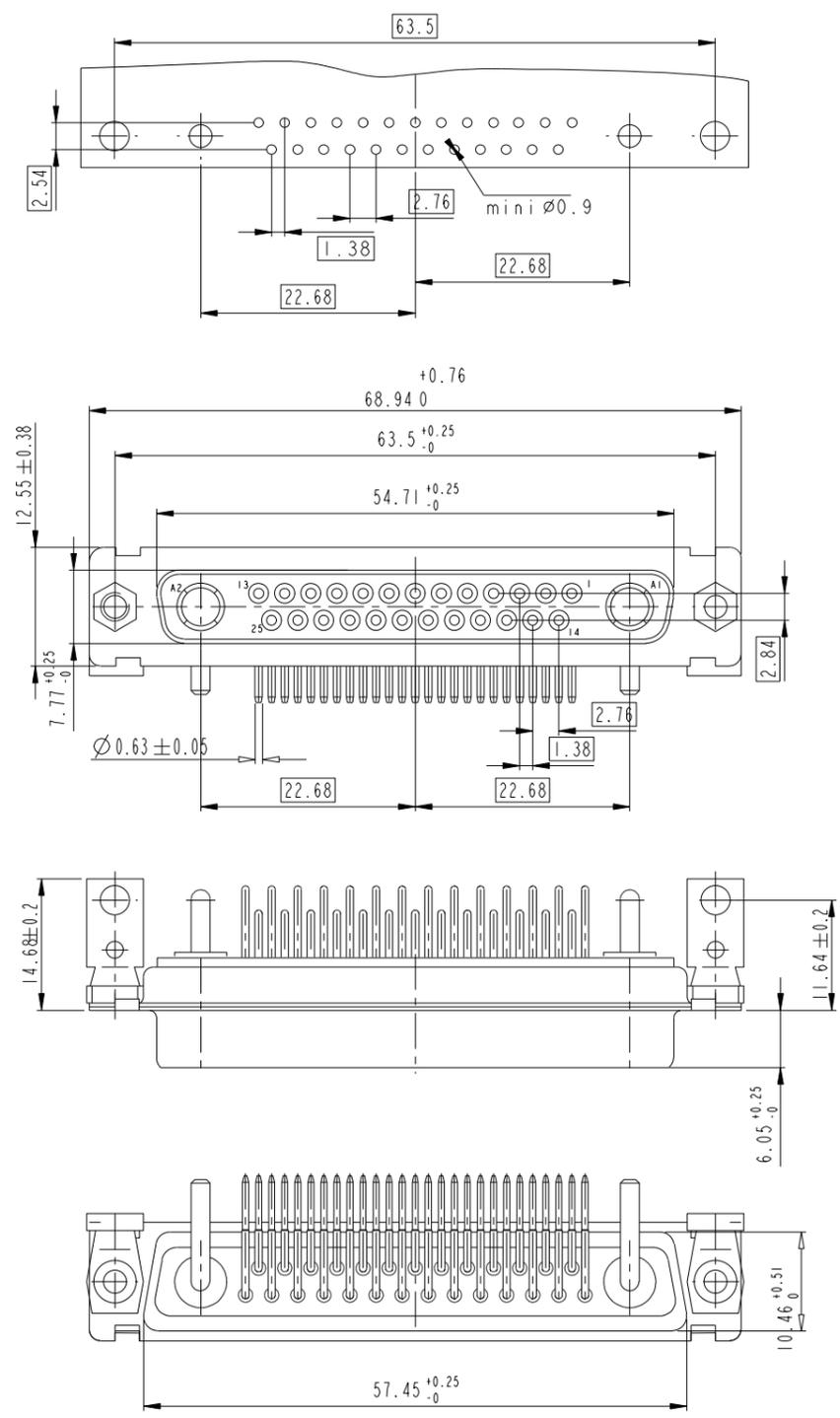
For PCB hole diameters see table I sheet I



# 27W2

## LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table I sheet I



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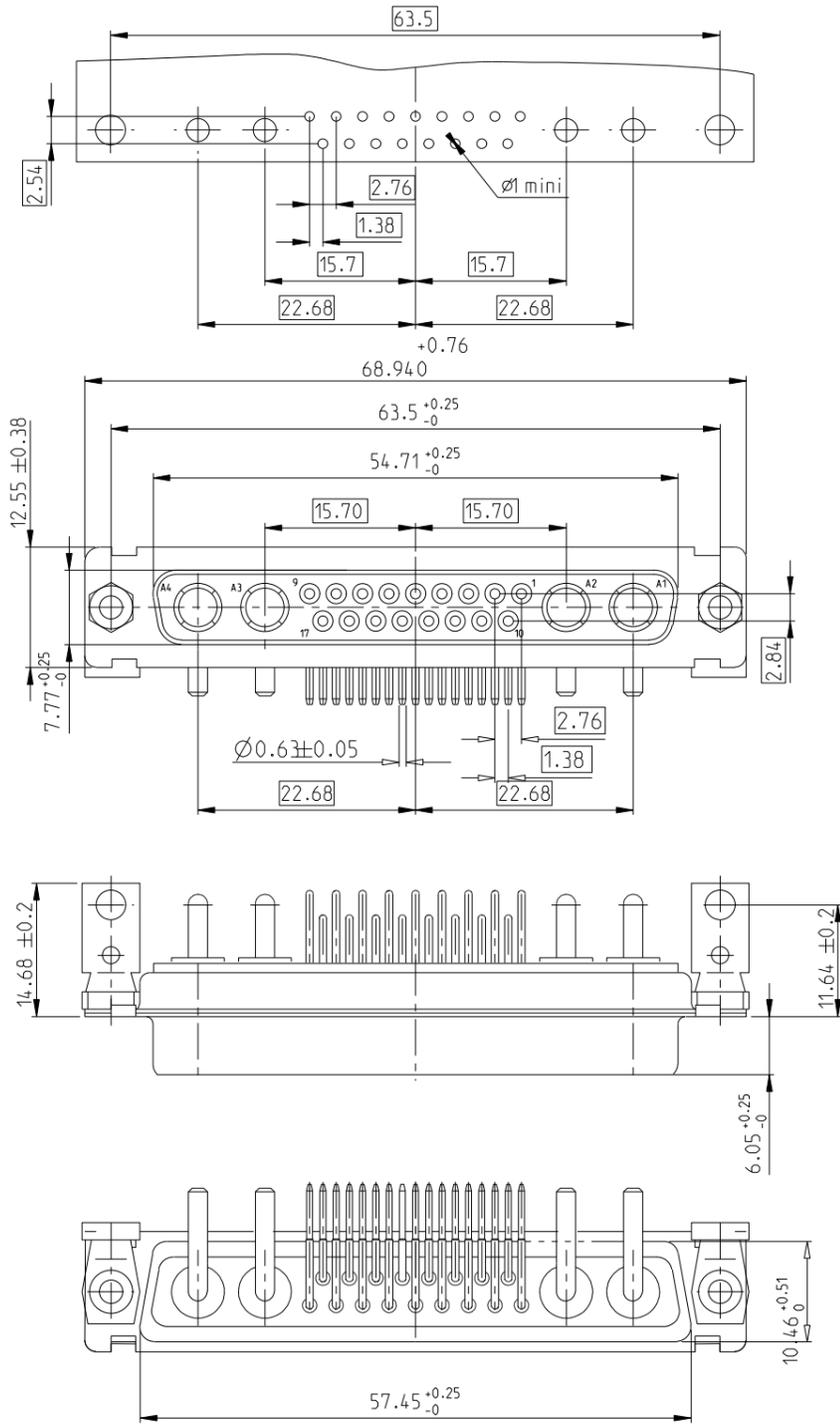


www.fciconnect.com		surface - ✓	tolerance std ISO 1302	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSON	2005-10-11	ANGULAR	0.X	±0.3	size	Scale
Eng	P LEGARE	2005-10-11	LINEAR	0.XX	±0.1	A2	2:1
Chr			0° ±2°	0.XXX	±0.05	ECN	F10-0060
Appr			Product family	- Spec ref			
		SUB FEMALE DMW EUROPE			dwg no		Rev.
		mixed power right angled solder			C01-8639-2300		E
		catalog no			CUSTOMER		sheet 6 of 7

REV E - 2004-03-28

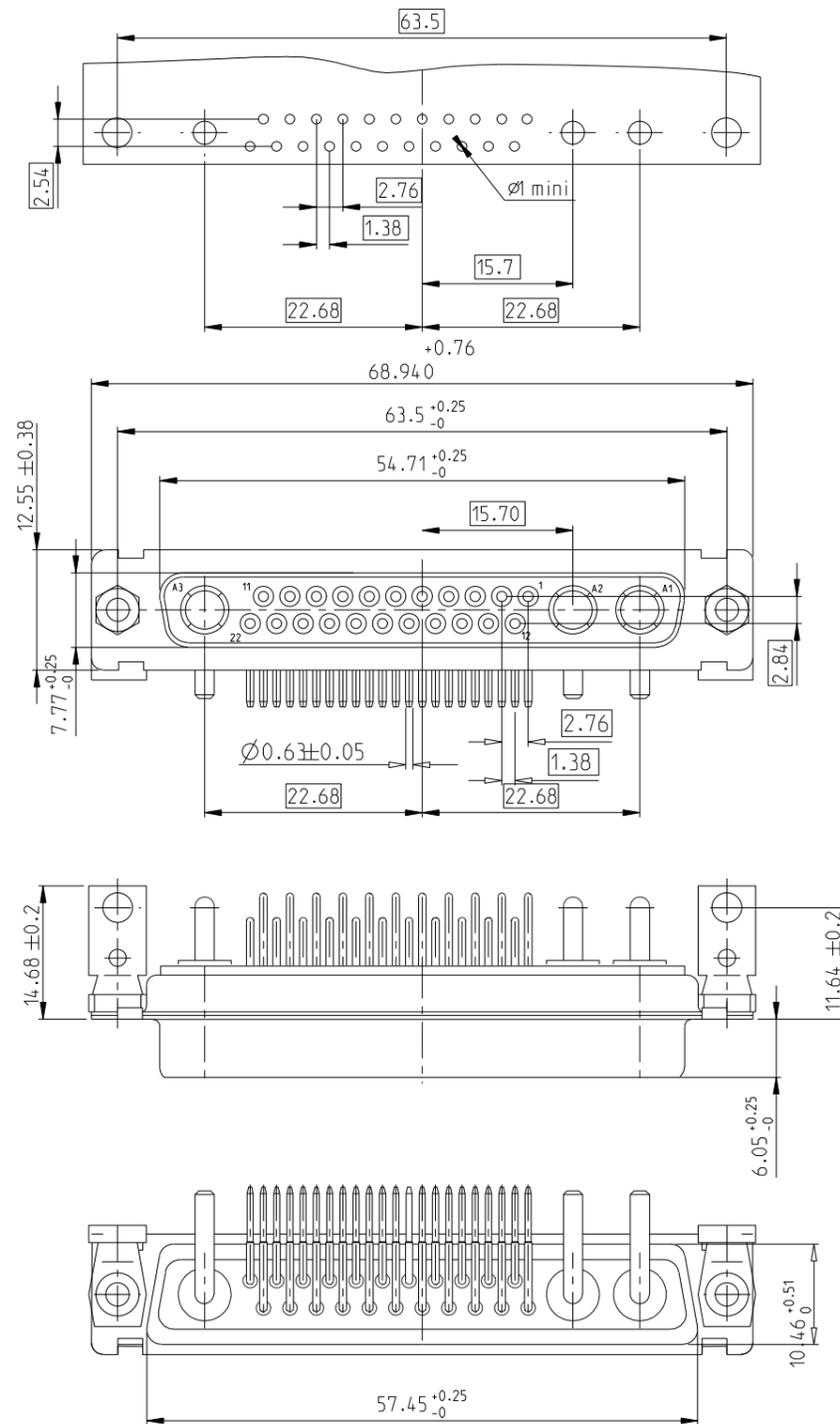
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LAYOUT AND CONNECTOR DIMENSIONS  
For PCB hole diameters see table 1 sheet 1



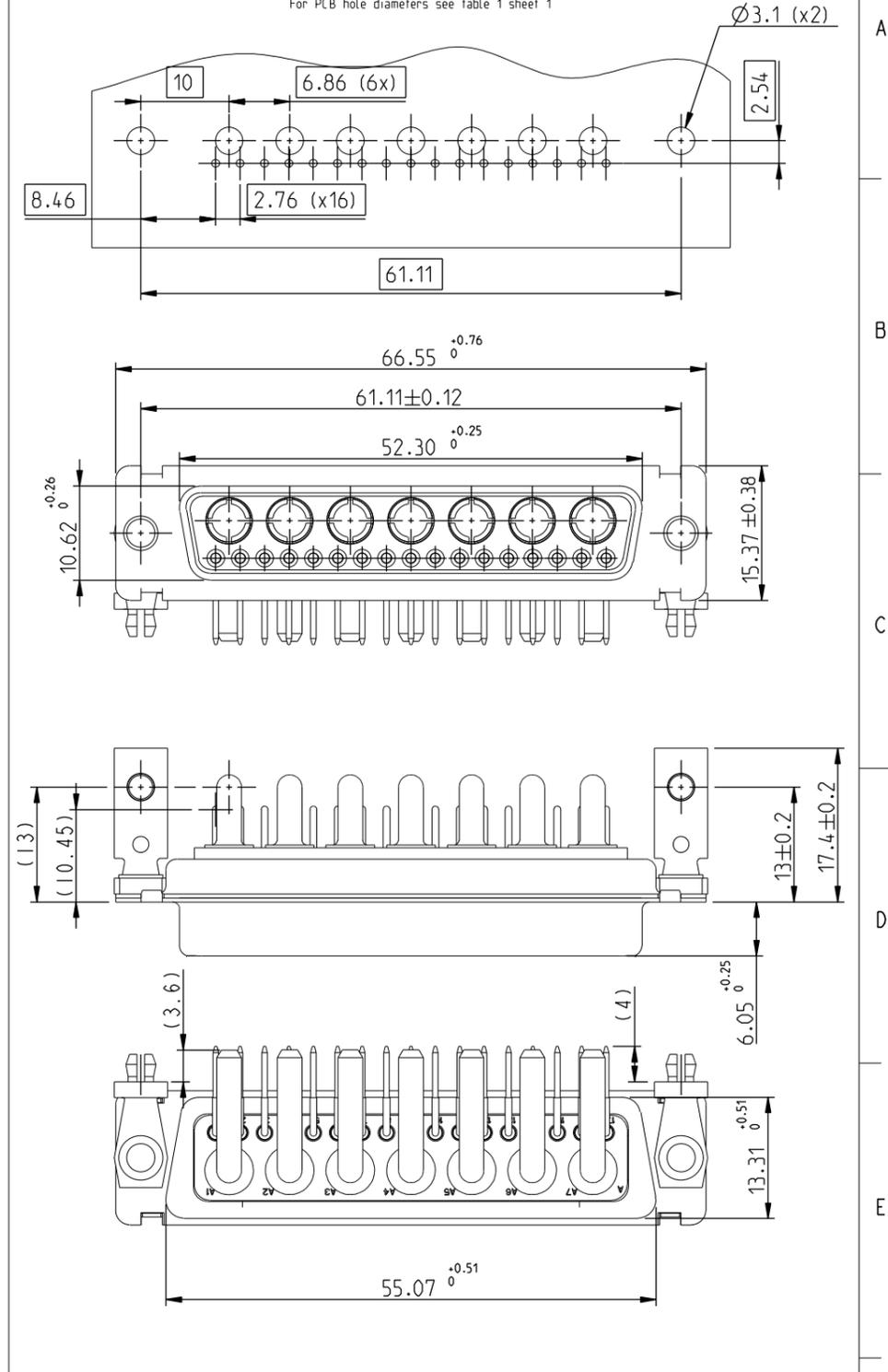
# 25W 3

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



# 24W 7

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



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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	2005-10-11	ANGULAR	0.X ±0.3
Eng	P LEGARE	2005-10-11	LINEAR	0.XX ±0.1
Chr			0° ±2°	0.XXX ±0.05
Appr			Product family	- Spec ref
FCI title SUB FEMALE DMW EUROPE mixed power right angled solder		dwg no C01-8639-2300		Rev. E
catalog no		CUSTOMER		sheet 7 of 7

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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