

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC UL94V0
- CONTACT MATERIAL: BRASS(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
- CLIMATIC CATEGORY: 55/125/21
TEMPERATURE RANGE -55°C TO +125°C
DAMP HEAT STEADY STATE 21 DAYS
SALT SPRAY 48 HOURS
- 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 1.27µmi+Sn 2.5 to 7.5µm,pure bright
- Active area plating spec:
 - Signal and power contacts: Ni + Gold
- Shell plating :2 to 4µm Cu + 3 to 10µmm Sn,pure bright
- Accessories: Sn pure bright
- Packaging spec: See GS-14-920

Series

DBL13W3S300G30LF

Shell size:

E A B C D

see sheet 2

Front accessory definition
see sheet 2

(blank) :No shell accessory

L :Threaded insert M3

O :Threaded insert UNC 4-40

V :Female screw UNC 4-40

I :Female screw UNC M3

Layout of contacts (see sheet 3)

Contacts

S :Socket

Termination type

3 Straight version

Plating

00 200 matings/unmatings

43 500 matings/unmatings

PCB accessories definition
see sheet 2

A : No PCB accessory

H : Harpoons for PCB 2.40mm

G : Harpoons for PCB 1.60mm

Power contacts

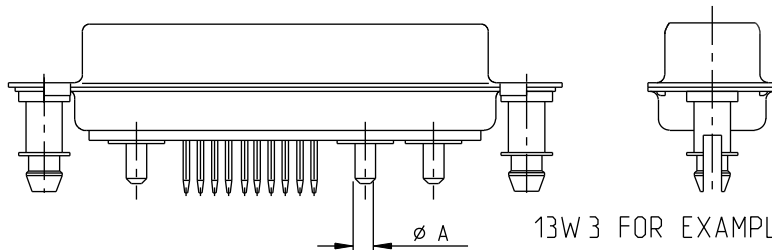
00 :Not fitted with power contact

30 :Fitted with power contacts 30 Amp.

40 :Fitted with power contacts 40 Amp.

TABLE 1:PCB HOLE DIAMETERS

POWER CONTACTS			ACCESSORIES	SIGNAL CONTACTS
30 A	2.00	ø2.40	ø3.10	ø0.90 min
40 A	2.80	3.10		
Max current power	øA ^{+0.1} ₀	PCB HOLE +/-0.1	PCB HOLE +/-0.1	PCB HOLE +/-0.1



www.fciconnect.com			Surface ISO 1302		- ✓	tolerance std ISO 406 ISO 1101		projection 			
										TOLERANCES UNLESS OTHERWISE SPECIFIED	
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X ±0.3		size A2	Scale 2:1			
Eng	P LEGARE	2005-10-11			0.XX ±0.1						
Chr			0° ±2°		0.XXX ±0.05						
Appr			Product family					- Spec ref			
		title SUB SOCKET DW mixed power straight solder	dwg no C01-8639-2302					Rev. J			
		catalog no	-	CUSTOMER				sheet 1 of 7			

A

B

C

D

E

F

A

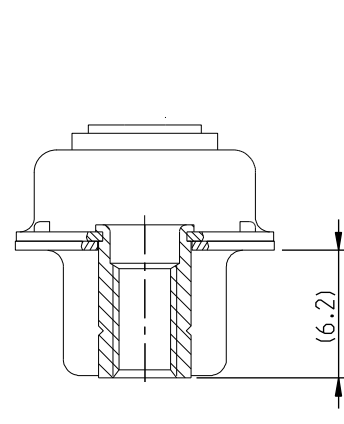
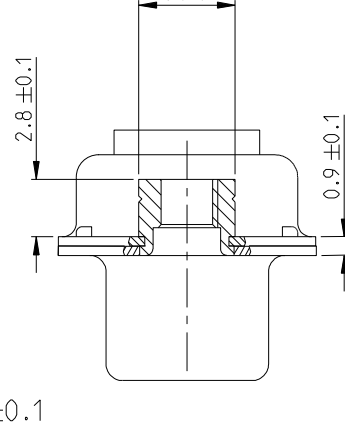
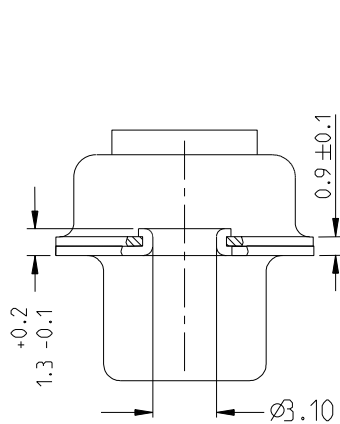
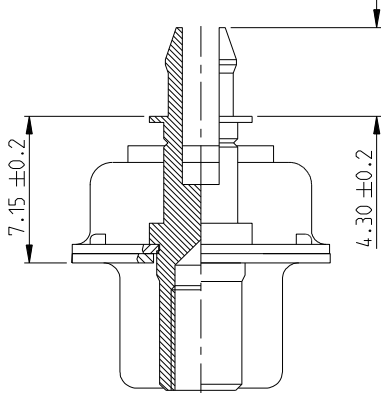
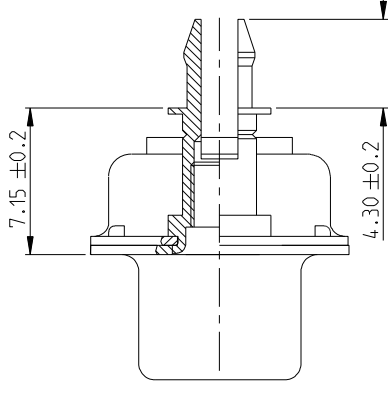
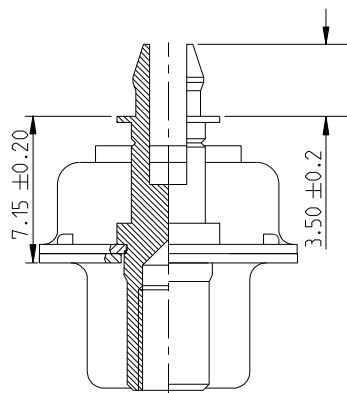
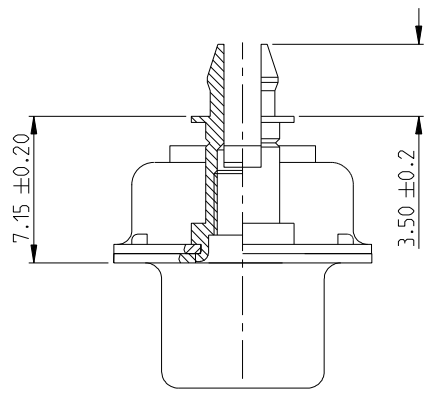
B

C

D

E

F



FRONT ACCESSORIES	L insert M3 O insert UNC 4.40	V insert UNC 4.40 I Female screw M3	L insert M3 O insert UNC 4.40	V insert UNC 4.40 I Female screw M3	(Blank) without	L insert M3 O insert UNC 4.40	V Female screw UNC 4-40 I Female screw M3
PCB ACCESSORIES	G Harpoon for PCB 1.60mm	G Harpoon for PCB 1.60mm	H Harpoon for PCB 2.40mm	H Harpoon for PCB 2.40mm	A without	A without	A without

(this part of the table is not detailed in tables below)

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*LxWxS300G30LF	30	200	insert M3	harpoon PCB 1.60mm
D*OxWxS300G30LF	30	200	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxS300G30LF	30	200	female screw UNC 4.40	harpoon PCB 1.60mm
D*LxWxS300H30LF	30	200	insert M3	harpoon PCB 2.40mm
D*OxWxS300H30LF	30	200	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxS300H30LF	30	200	female screw UNC 4.40	harpoon PCB 2.40mm
D*LxWxS300G40LF	40	200	insert M3	harpoon PCB 1.60mm
D*OxWxS300G40LF	40	200	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxS300G40LF	40	200	female screw UNC 4.40	harpoon PCB 1.60mm
D*LxWxS300H40LF	40	200	insert M3	harpoon PCB 2.40mm
D*OxWxS300H40LF	40	200	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxS300H40LF	40	200	female screw UNC 4.40	harpoon PCB 2.40mm

shell size	LAYOUTS
*	xWx
E	5W1
A	11W1
A	7W2
B	21W1
B	17W2
B	13W3
B	9W4
C	25W3
C	21WA4
C	27W2
D	47W1
D	24W7
D	36W4

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*LxWxS343G30LF	30	500	insert M3	harpoon PCB 1.60mm
D*OxWxS343G30LF	30	500	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxS343G30LF	30	500	female screw UNC 4.40	harpoon PCB 1.60mm
D*LxWxS343H30LF	30	500	insert M3	harpoon PCB 2.40mm
D*OxWxS343H30LF	30	500	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxS343H30LF	30	500	female screw UNC 4.40	harpoon PCB 2.40mm
D*LxWxS343G40LF	40	500	insert M3	harpoon PCB 1.60mm
D*OxWxS343G40LF	40	500	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxS343G40LF	40	500	female screw UNC 4.40	harpoon PCB 1.60mm
D*LxWxS343H40LF	40	500	insert M3	harpoon PCB 2.40mm
D*OxWxS343H40LF	40	500	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxS343H40LF	40	500	female screw UNC 4.40	harpoon PCB 2.40mm

www.fciconnect.com			surface ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1101	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED		size	Scale
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.x	±0.3
Eng	P LEGARE	2005-10-11			0.xx	±0.1
Chr			0°	±2°	0.xxx	±0.05
Appr			Product family		-	Spec ref
FCI			title		dwg no	Rev.
			SUB SOCKET DW		C01-8639-2302	J
			mixed power straight solder			
			catalog no		CUSTOMER	sheet 2 of 7

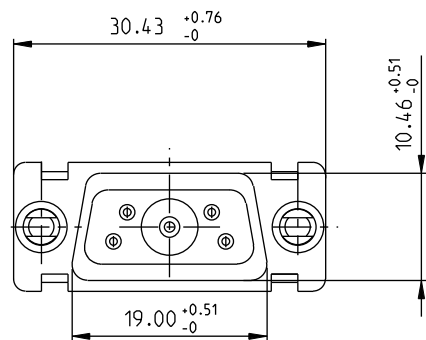
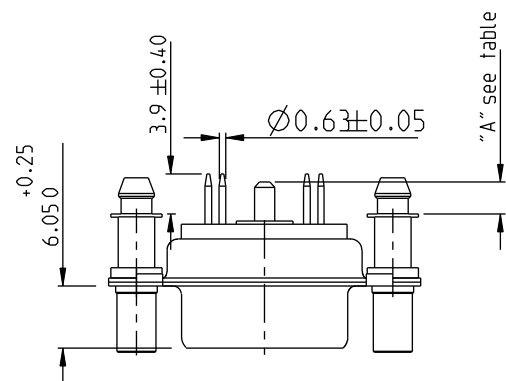
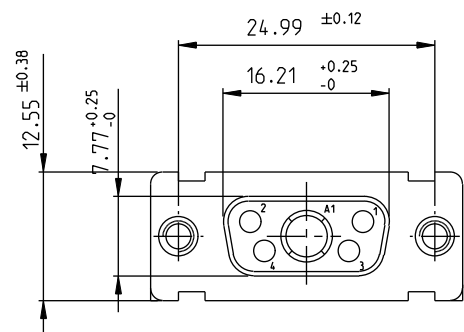
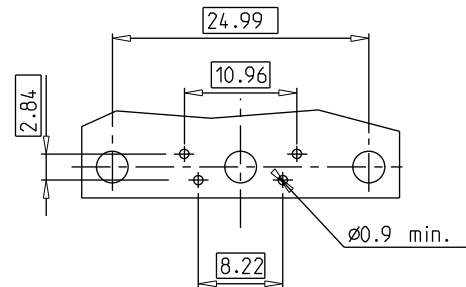


Floating signal contacts

5W 1

LAYOUT AND CONNECTOR DIMENSIONS

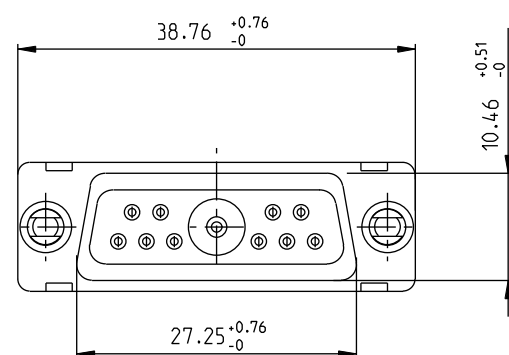
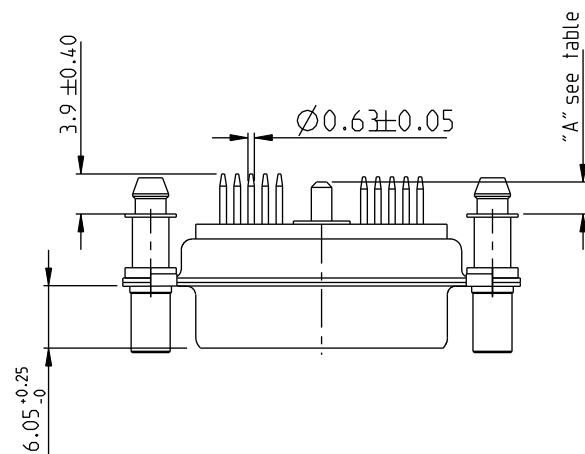
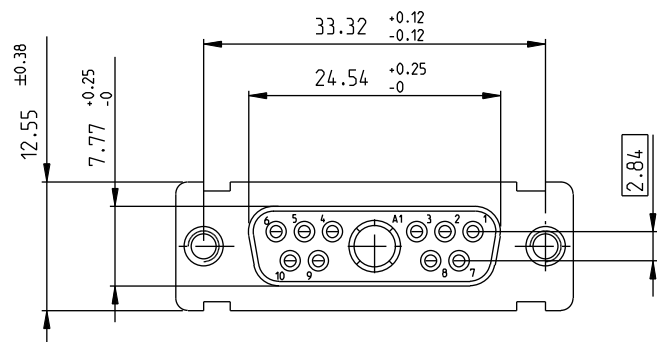
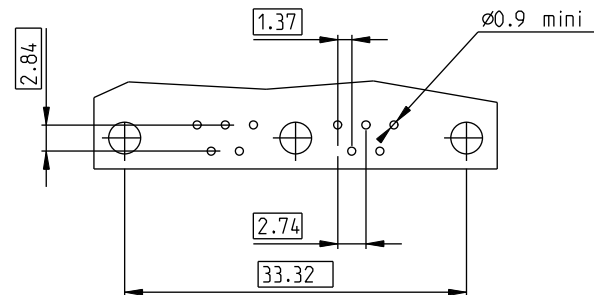
For PCB hole diameters see table 1 sheet 1



11W 1

LAYOUT AND CONNECTOR DIMENSIONS

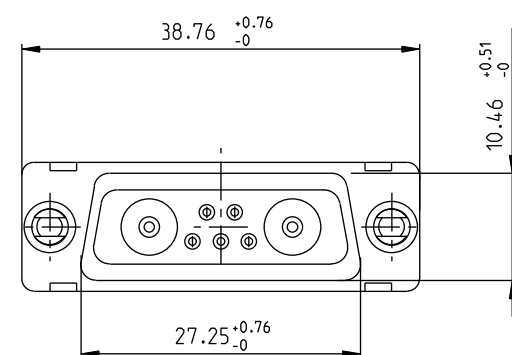
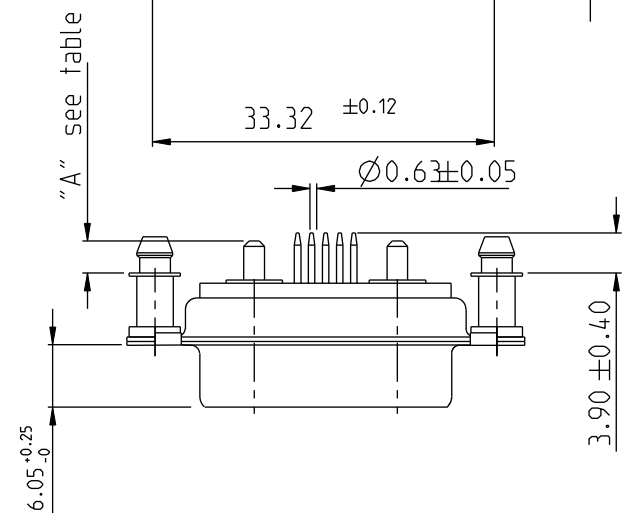
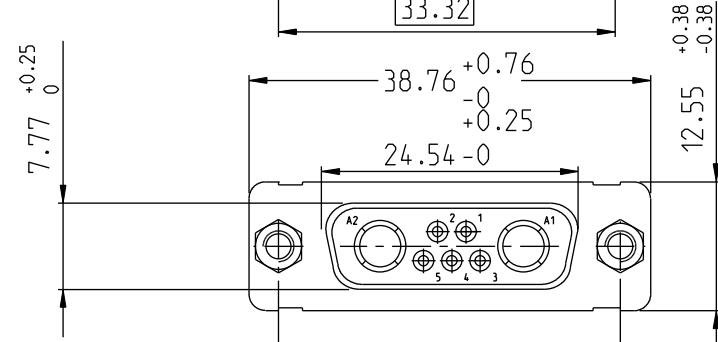
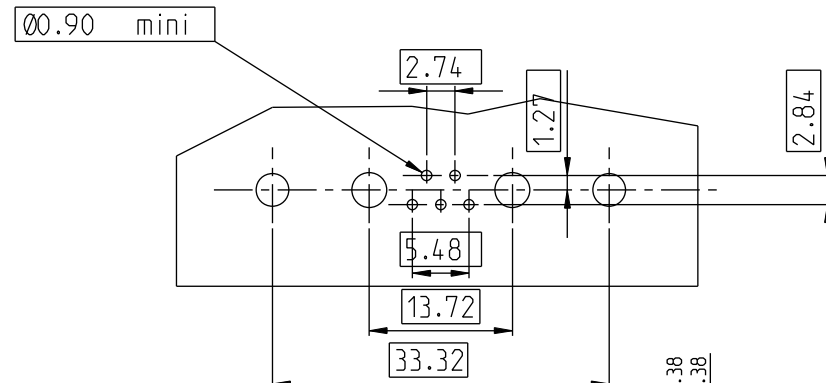
For PCB hole diameters see table 1 sheet 1



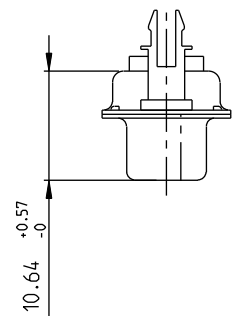
7W 2

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



SIDE VIEW FOR LAYOUTS: E A B C



COTE "A"

30A	3.1±0.25
40A	3.6±0.25

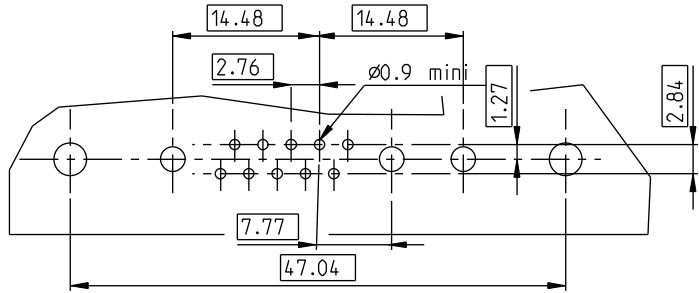
www.fciconnect.com			Surface ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1101	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2005-10-11	ANGULAR LINEAR	0.X	±0.3	size A2
Eng	P LEGARE	2005-10-11		0.XX	±0.1	Scale 2:1
Chr				0.XXX	±0.05	ECN F10-0035
Appr			Product family		Spec ref	
FCI			Title SUB SOCKET DW mixed power straight solder		dwg no C01-8639-2302	Rev. J
			catalog no		CUSTOMER sheet 3 of 7	



13W 3

LAYOUT AND CONNECTOR DIMENSIONS

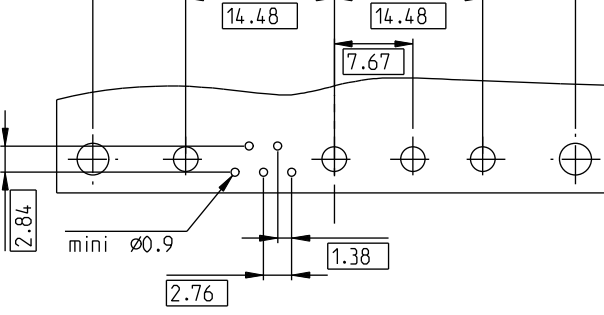
For PCB hole diameters see table 1 sheet 1



9W 4

LAYOUT AND CONNECTOR DIMENSIONS

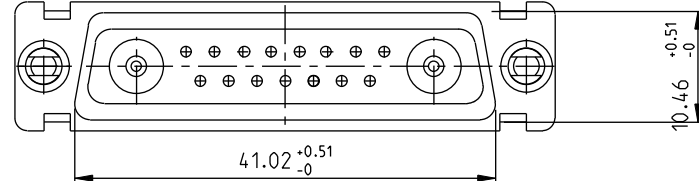
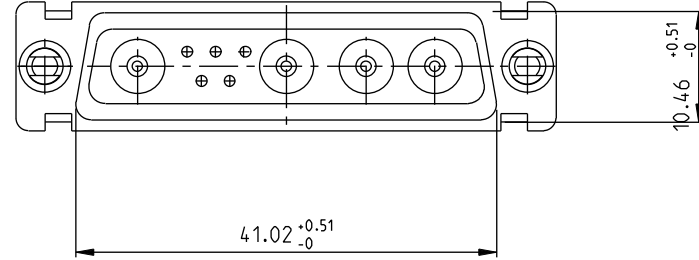
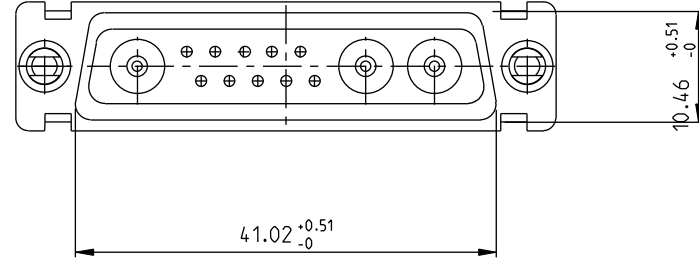
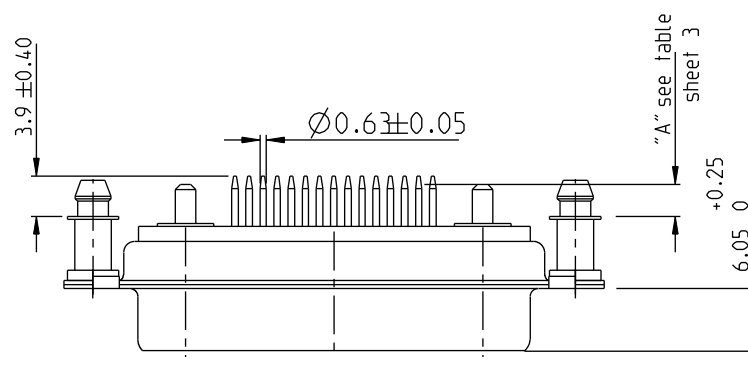
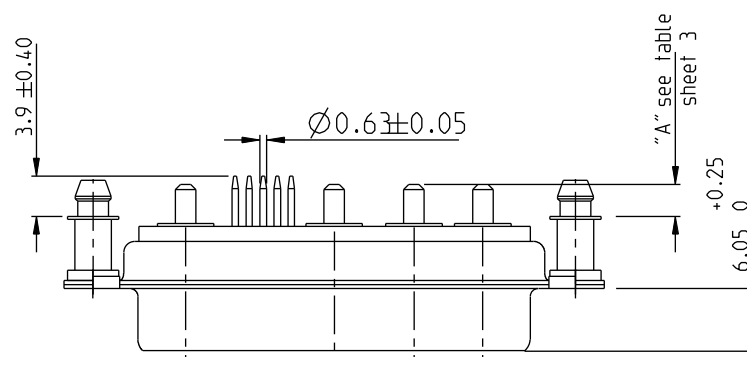
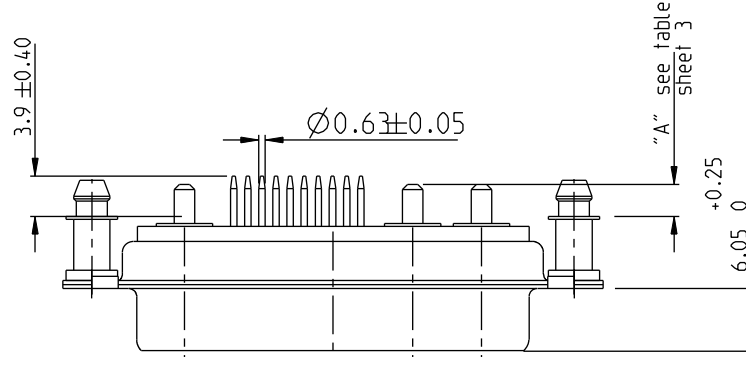
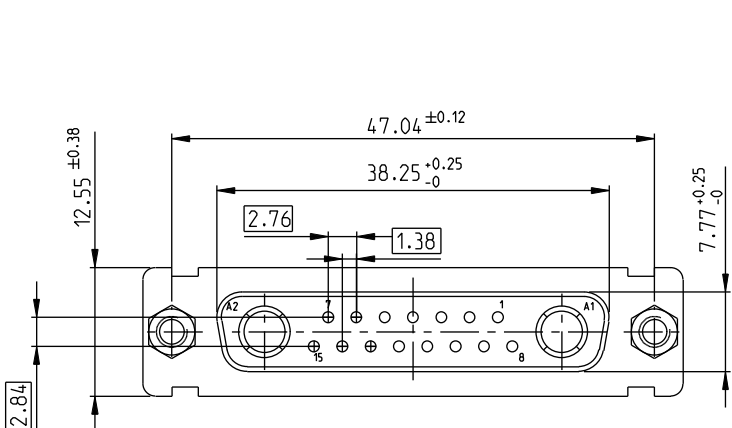
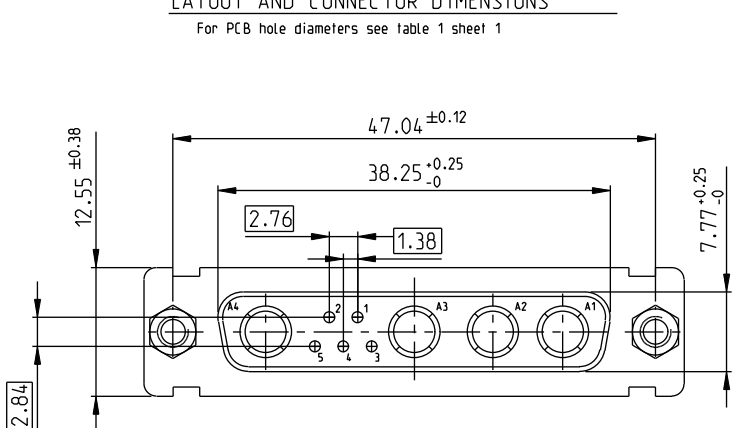
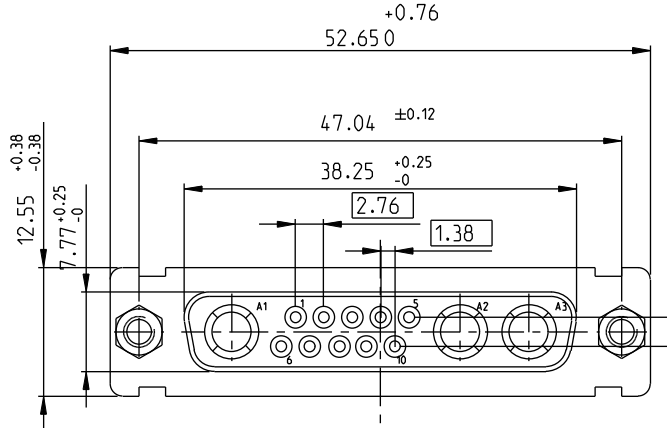
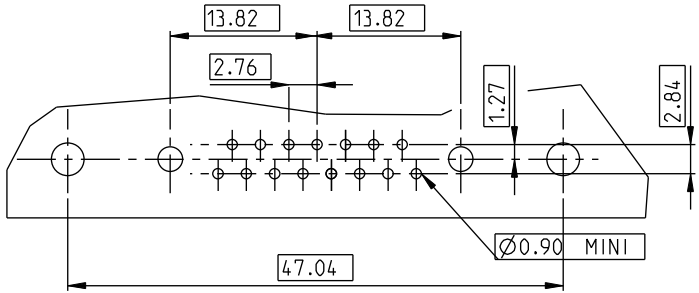
For PCB hole diameters see table 1 sheet 1



17W 2

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



Floating signal contacts

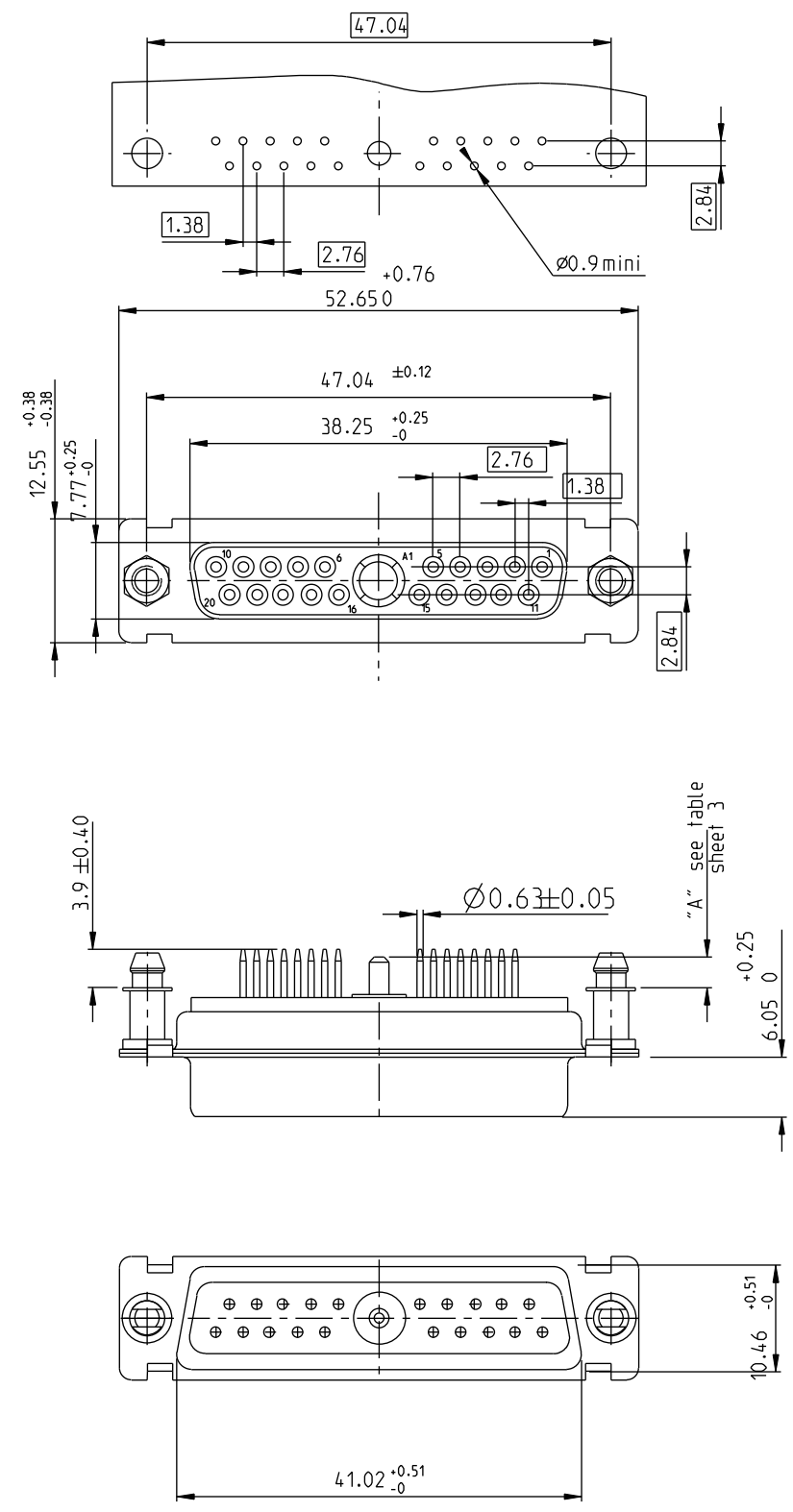
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TOLERANCES UNLESS OTHERWISE SPECIFIED										
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Eng	P LEGARE	2005-10-11		0.XX ±0.1						
Chr				0.XXX ±0.05		ECN F10-0035				
Appr			Product family			-		Spec ref		
			title SUB SOCKET DW mixed power straight solder				dwg no C01-8639-2302			Rev. J
			catalog no		-		CUSTOMER		sheet 4 of 7	



1 2

21W 1

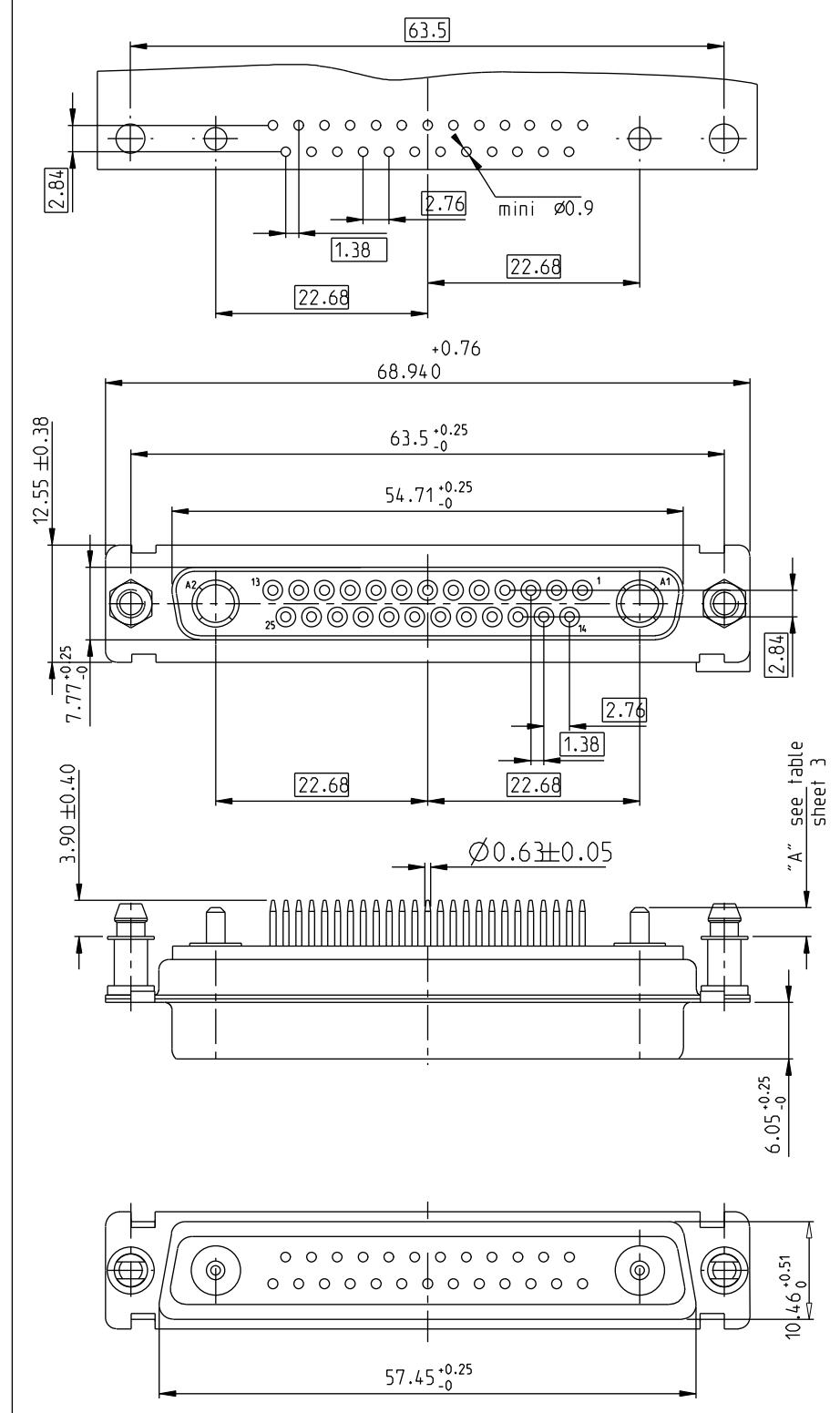
LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1



3 4

27W 2

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

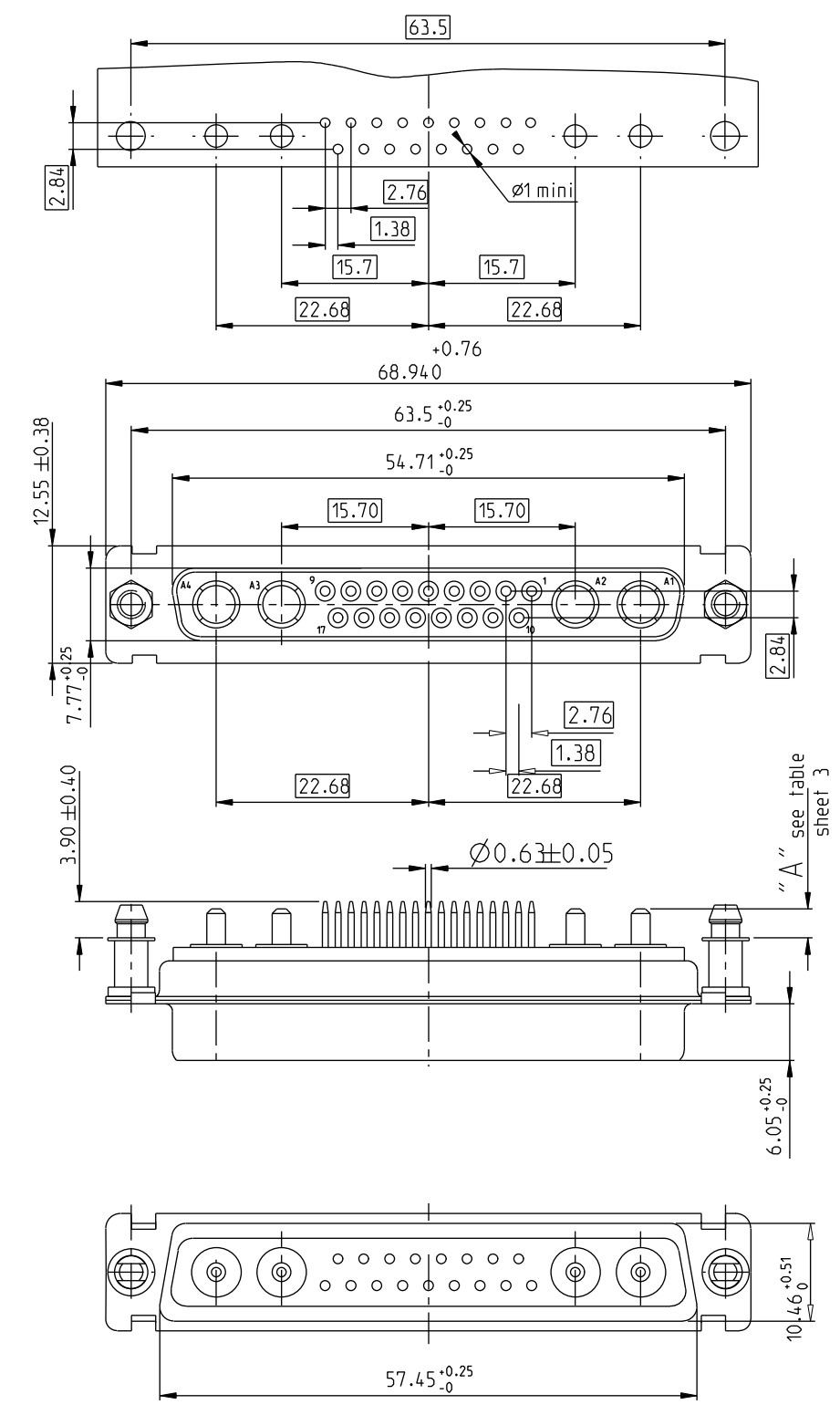


5

6 7

21W A4

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



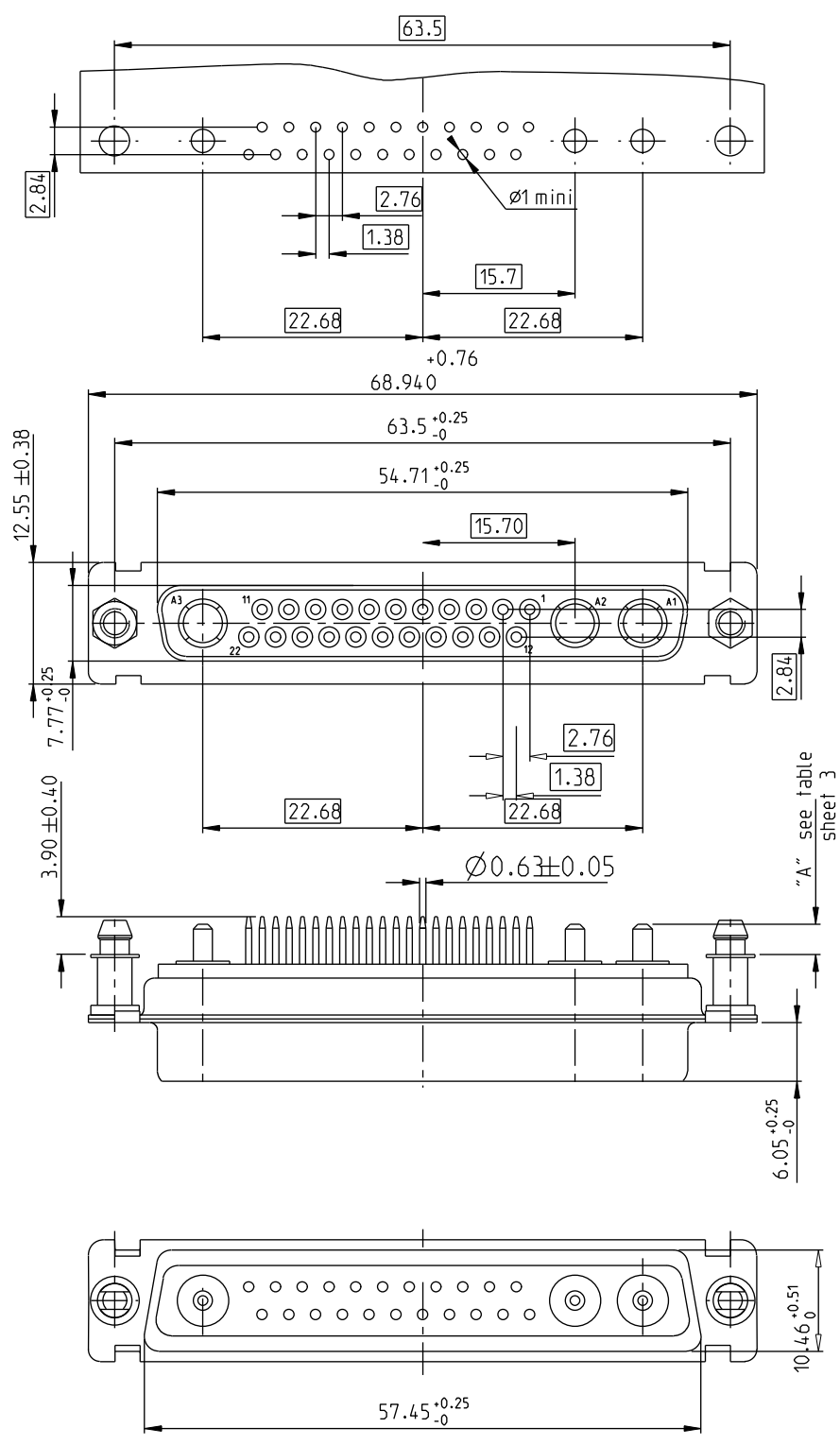
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www.fciconnect.com			surface ISO 1302			tolerance std ISO 406 ISO 1101		projection 				
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Eng	P LEGARE	2005-10-11			0.XX		±0.1					
Chr					0.XXX		±0.05					
Appr			0° ±2°					ECN		F10-0035		
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		mixed power straight solder										
		catalog no				-		CUSTOMER		sheet 5 of 7		



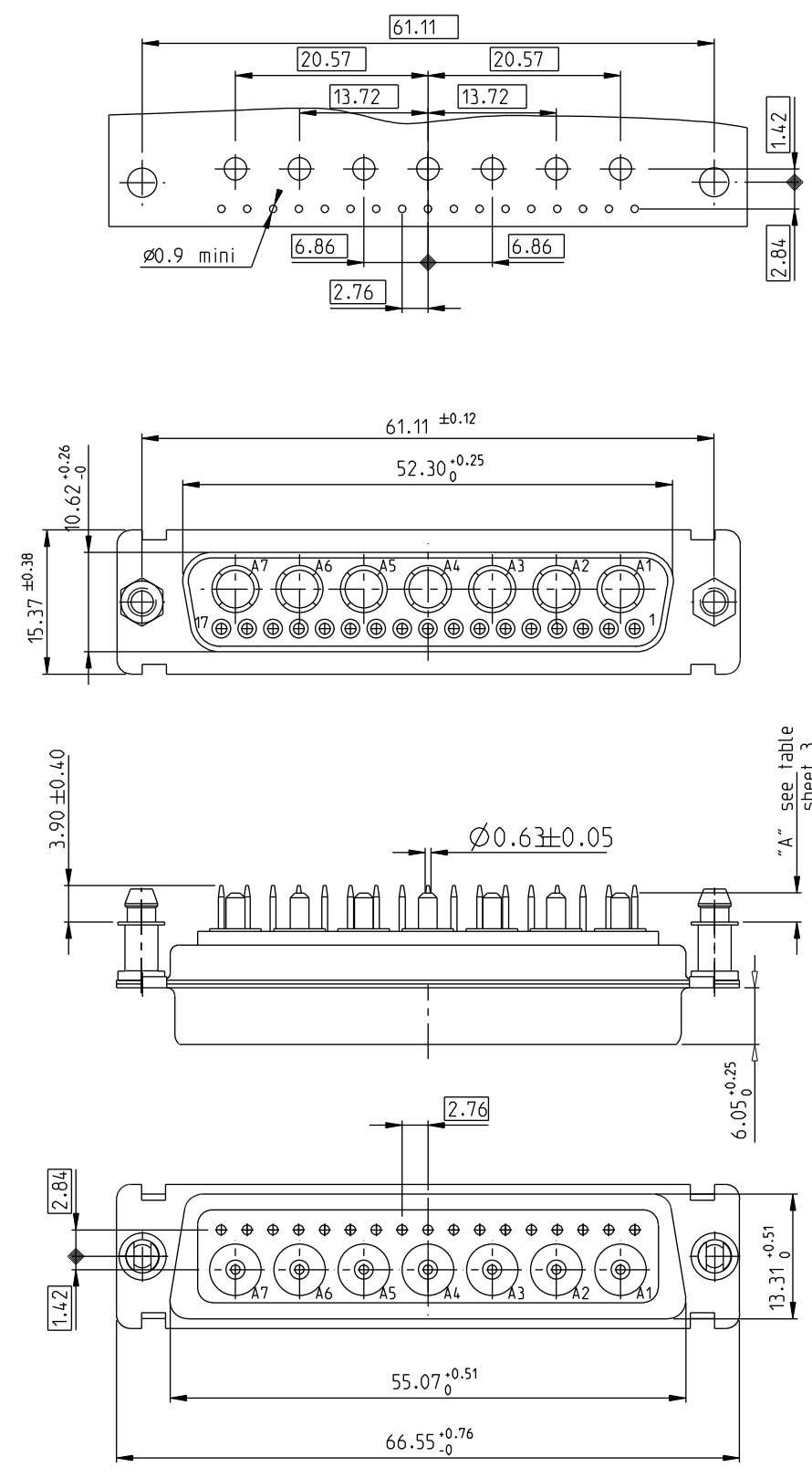
25W 3

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

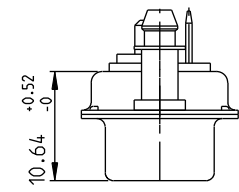


24W 7

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



SIDE VIEW FOR
LAYOUTS: D

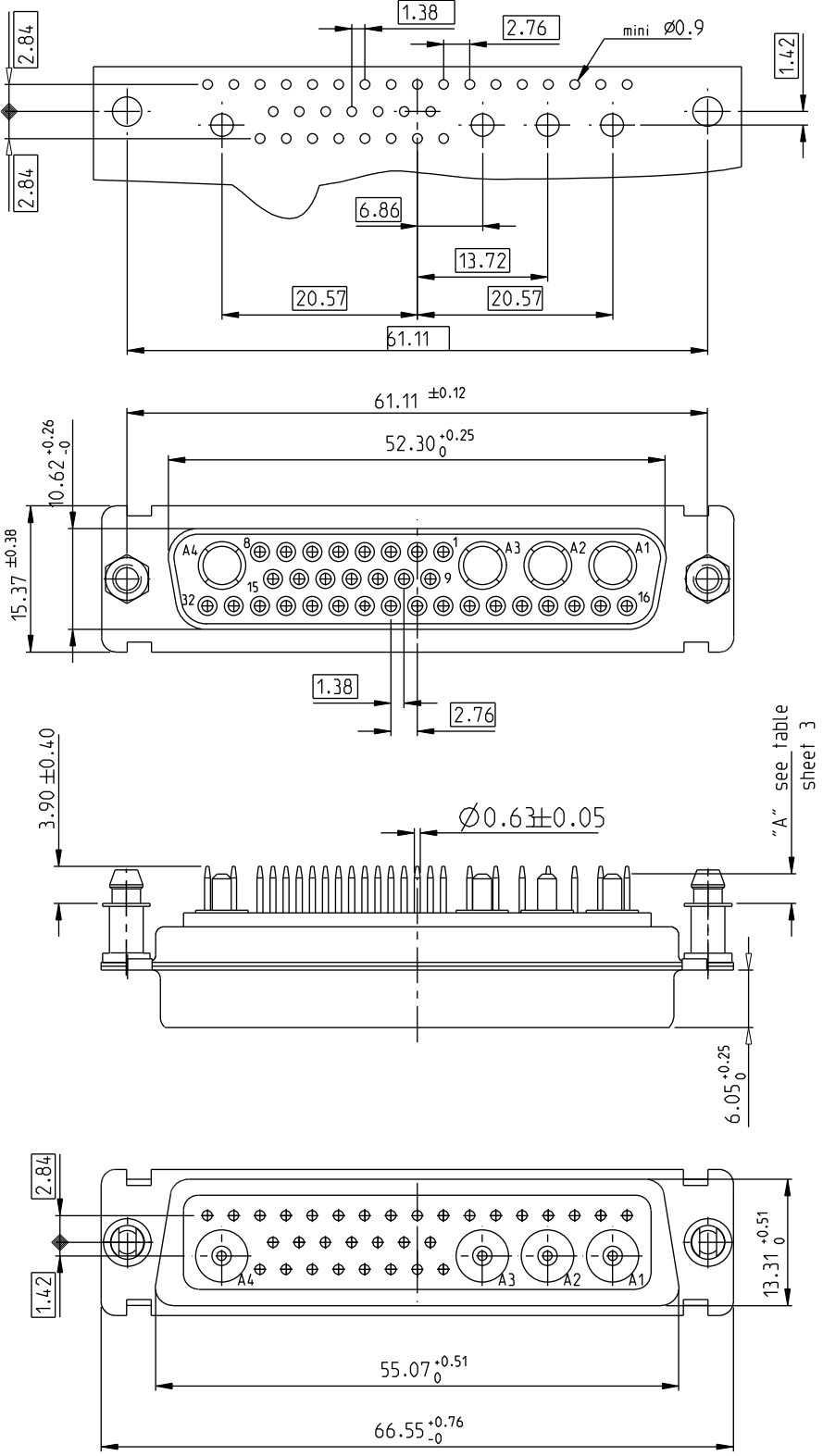


www.fciconnect.com			surface ISO 1302		- ✓ tolerance std ISO 406 ISO 1101		projection 			
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X ±0.3		size A2	Scale		
Eng	P LEGARE	2005-10-11			0.XX ±0.1			2:1		
Chr					0.XXX ±0.05			ECN F10-0035		
Appr			Product family -						Spec ref	
			title SUB SOCKET DW mixed power straight solder				dwg no C01-8639-2302		Rev. J	
catalog no			-				CUSTOMER		sheet 6 of 7	



LAYOUT AND CONNECTOR DIMENSIONS

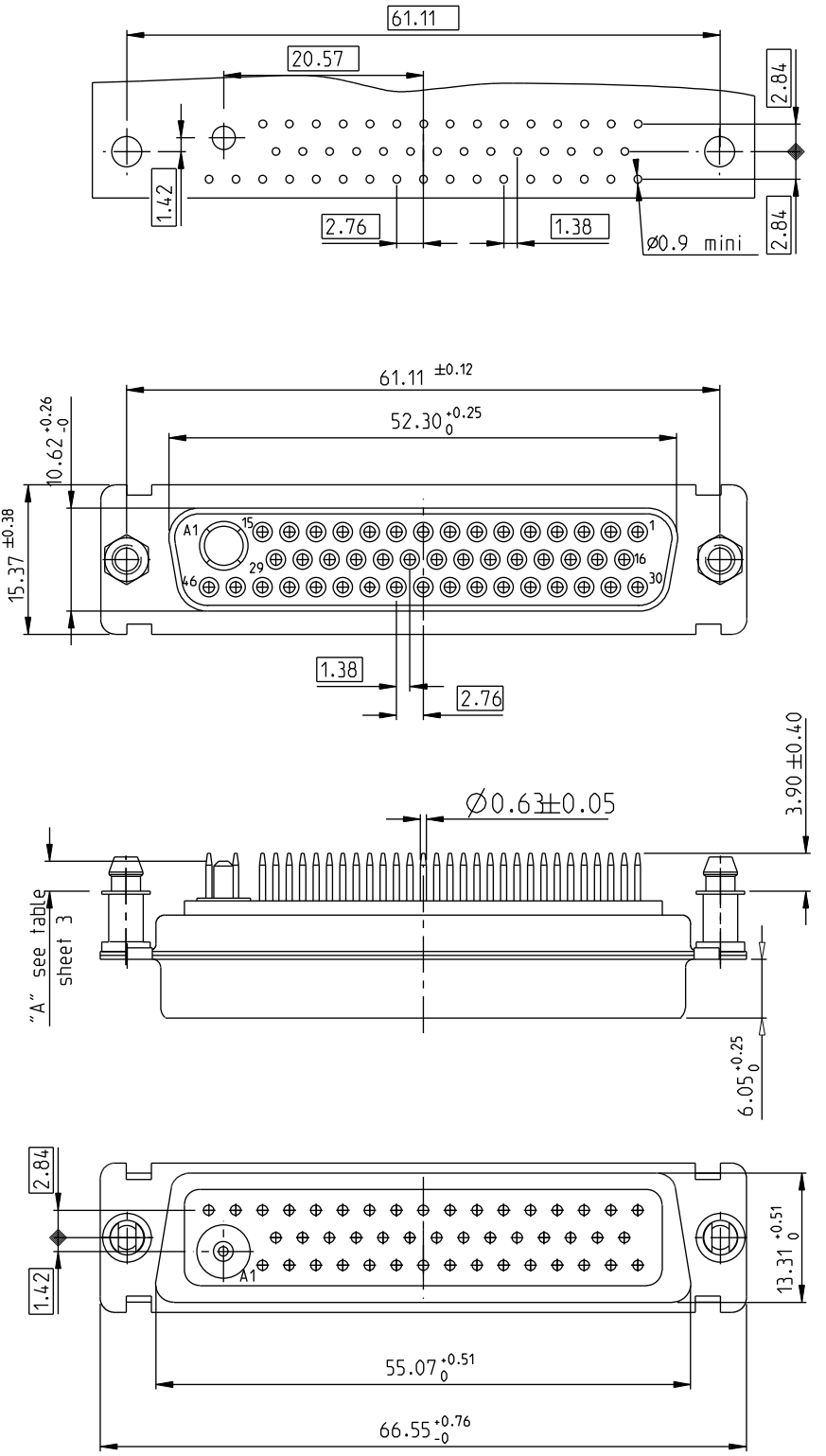
For PCB hole diameters see table 1 sheet 1



Floating signal contacts

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



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	LINEAR	0.X	±0.3	size	Scale
Eng	P LEGARE	2005-10-11			0.XX	±0.1	A2	2:1
Chr			0°	±2°	0.XXX	±0.05	ECN	F10-0035
Appr			Product family			-	Spec ref	
FCI			title			SUB SOCKET DW		Rev.
						mixed power straight solder		J
			catalog no			-	CUSTOMER	sheet 7 of 7

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

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www.lifeelectronics.ru