

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 1.27µm+Sn 2.5 to 7.5µ,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

DBL13W3P300G30LF

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 M3

Layout of contacts (see sheet 3)

Contacts

P :Pin

Termination type

3 Straight version

Plating

00 200 matings/unmatings
43 500 matings/unmatings

PCB accessories definition
see sheet 2

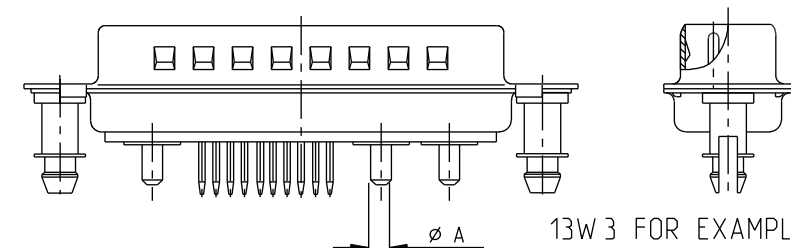
A : No PCB accessory
H : Harpoons for PCB 2.40mm
G : Harpoons for PCB 1.60mm

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



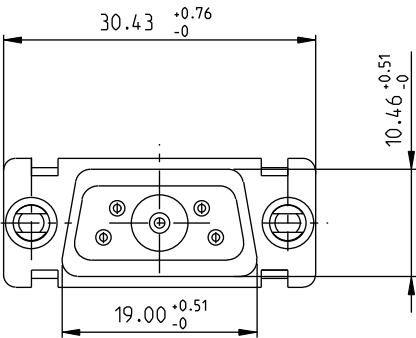
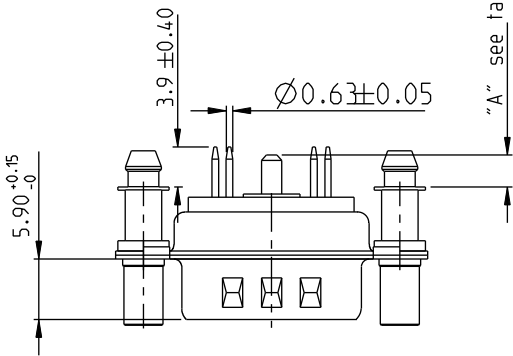
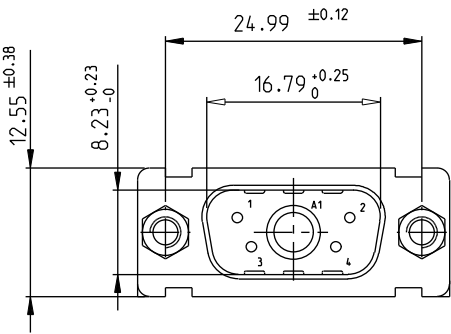
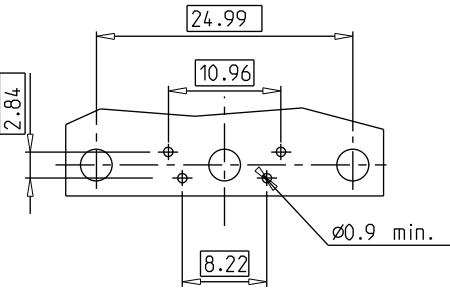
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			TOLERANCES UNLESS OTHERWISE SPECIFIED							
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Eng	P LEGARE	2005-10-11			0.XX	±/				
Chr			0° ±/°		0.XXX	±/	ECN		F10-0035	
Appr			Product family					- Spec ref		
			title SUB MALE DW mixed power straight solder				dwg no C01-8639-2306		Rev. J	
catalog no			-		CUSTOMER			sheet 1 of 7		

1		2		3		4		5		6		7		8	
SIGNAL & PWR CONTACTS NOT REPRESENTED IN THIS PAGE															
A		A		A		A		A		A		A		A	
B		B		B		B		B		B		B		B	
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	A without		A without		A without	
(this part of the table is not detailed in tables below)															
C		C		C		C		C		C		C		C	
D		D		D		D		D		D		D		D	
E		E		E		E		E		E		E		E	
F		F		F		F		F		F		F		F	
PART NUMBER		AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES	shell size		LAYOUTS		PART NUMBER		AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*LxW xP300G30LF		30	200	insert M3	harpoon PCB 1.60mm	E		5W 1		D*LxW xP343G30LF		30	500	insert M3	harpoon PCB 1.60mm
D*OxW xP300G30LF		30	200	insert UNC 4.40	harpoon PCB 1.60mm	A		11W 1		D*OxW xP343G30LF		30	500	insert UNC 4.40	harpoon PCB 1.60mm
D*VxW xP300G30LF		30	200	female screw UNC 4.40	harpoon PCB 1.60mm	A		7W 2		D*VxW xP343G30LF		30	500	female screw UNC 4.40	harpoon PCB 1.60mm
D*LxW xP300H30LF		30	200	insert M3	harpoon PCB 2.40mm	B		21W 1		D*LxW xP343H30LF		30	500	insert M3	harpoon PCB 2.40mm
D*OxW xP300H30LF		30	200	insert UNC 4.40	harpoon PCB 2.40mm	B		17W 2		D*OxW xP343H30LF		30	500	insert UNC 4.40	harpoon PCB 2.40mm
D*VxW xP300H30LF		30	200	female screw UNC 4.40	harpoon PCB 2.40mm	B		13W 3		D*VxW xP343H30LF		30	500	female screw UNC 4.40	harpoon PCB 2.40mm
						B		9W 4							
D*LxW xP300G40LF		40	200	insert M3	harpoon PCB 1.60mm	B		25W 3		D*LxW xP343G40LF		40	500	insert M3	harpoon PCB 1.60mm
D*OxW xP300G40LF		40	200	insert UNC 4.40	harpoon PCB 1.60mm	C		21W A4		D*OxW xP343G40LF		40	500	insert UNC 4.40	harpoon PCB 1.60mm
D*VxW xP300G40LF		40	200	female screw UNC 4.40	harpoon PCB 1.60mm	C		27W 2		D*VxW xP343G40LF		40	500	female screw UNC 4.40	harpoon PCB 1.60mm
D*LxW xP300H40LF		40	200	insert M3	harpoon PCB 2.40mm	C		47W 1		D*LxW xP343H40LF		40	500	insert M3	harpoon PCB 2.40mm
D*OxW xP300H40LF		40	200	insert UNC 4.40	harpoon PCB 2.40mm	D		24W 7		D*OxW xP343H40LF		40	500	insert UNC 4.40	harpoon PCB 2.40mm
D*VxW xP300H40LF		40	200	female screw UNC 4.40	harpoon PCB 2.40mm	D		36W 4		D*VxW xP343H40LF		40	500	female screw UNC 4.40	harpoon PCB 2.40mm
						D									

5W 1

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1

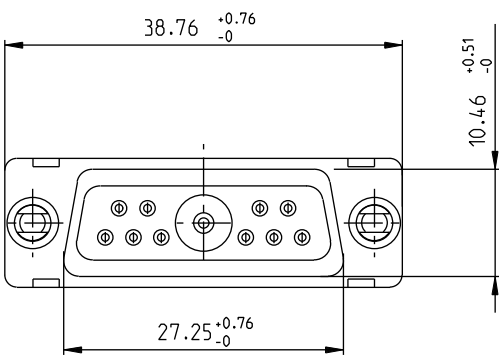
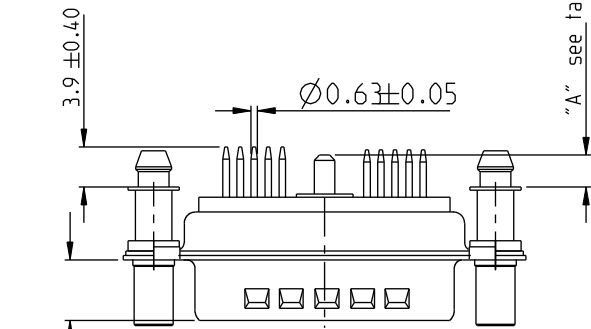
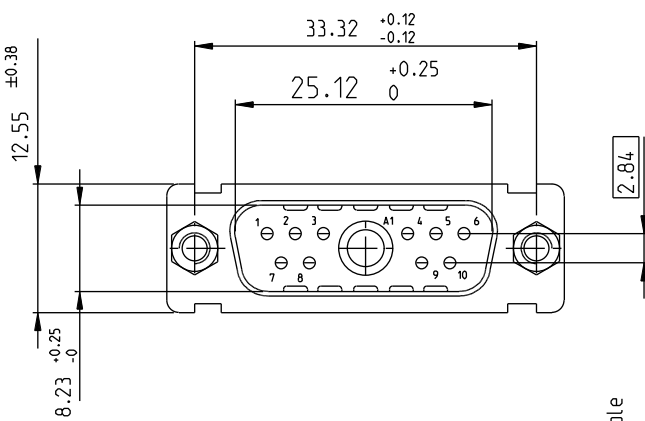
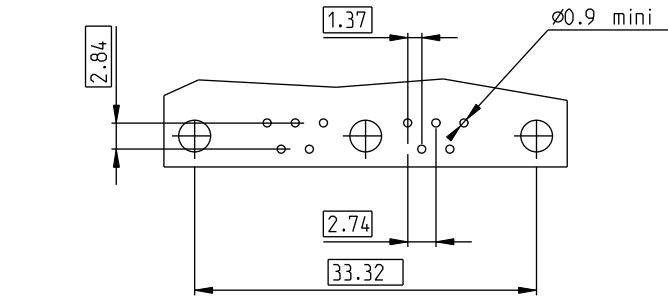


Floating signal contacts

11W 1

LAYOUT AND CONNECTOR DIMENSIONS

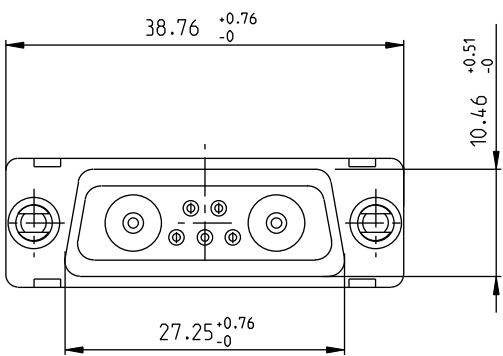
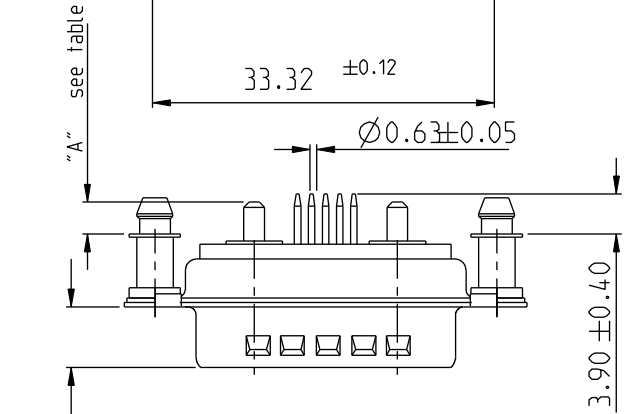
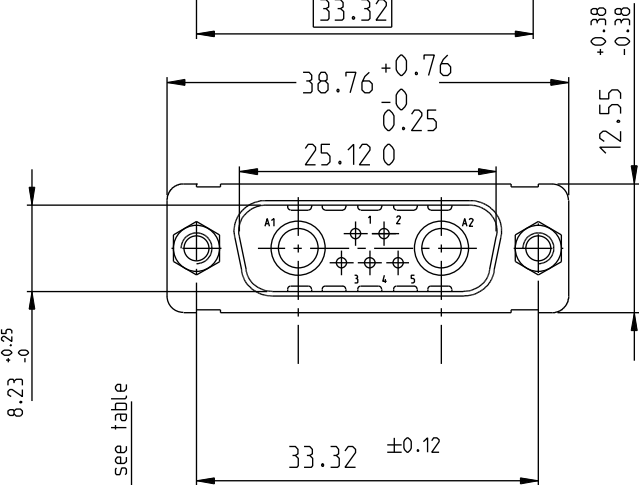
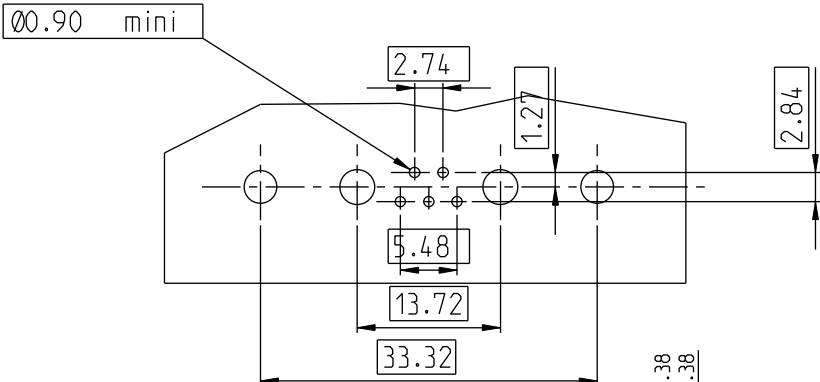
For PCB hole diameters see table 1 sheet 1



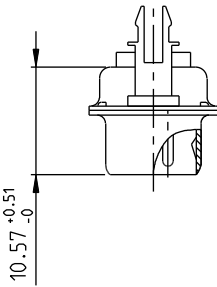
7W 2

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



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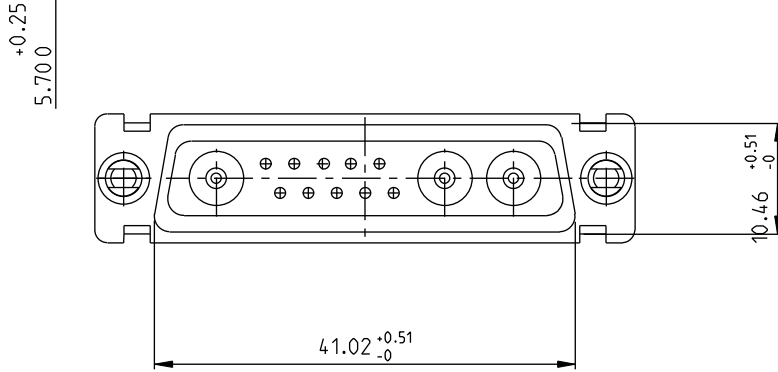
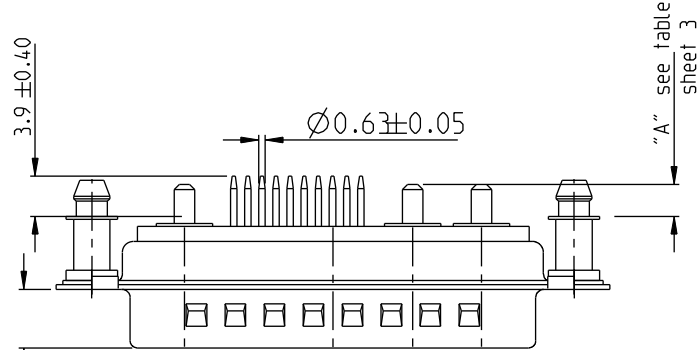
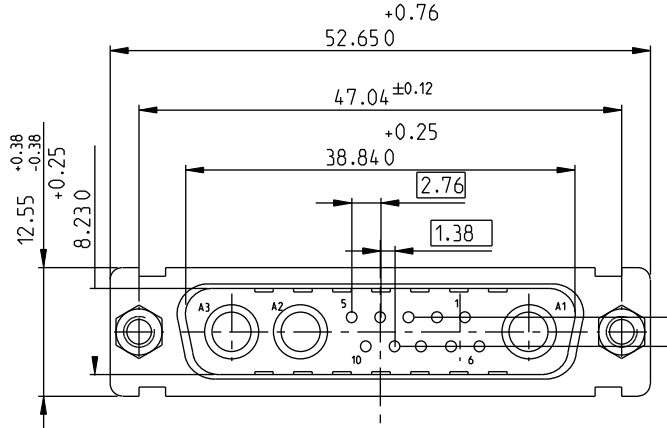
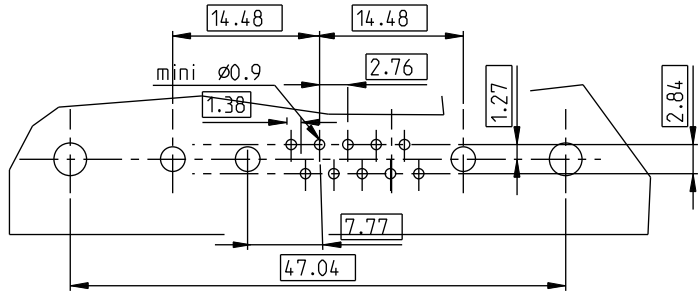
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Eng	P LEGARE	2005-10-11			0.XX	±/					
Chr					0.XXX	±/					
Appr			0° ±°		Product family		-	ECN F10-0035 Spec ref			
			title SUB MALE DW			dwg no C01-8639-2306		Rev. J			
			mixed power straight solder								
			catalog no -			CUSTOMER		sheet 3 of 7			



13W 3

LAYOUT AND CONNECTOR DIMENSIONS

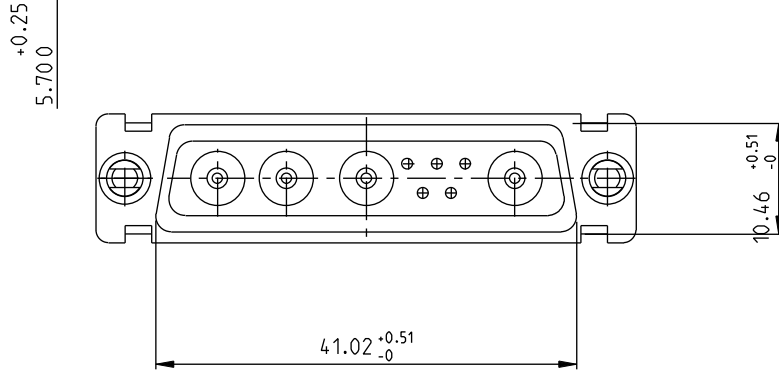
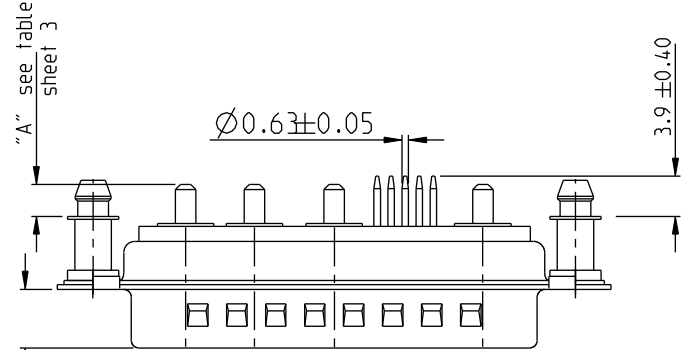
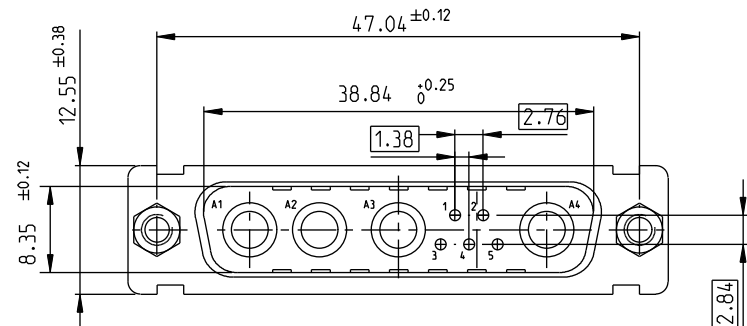
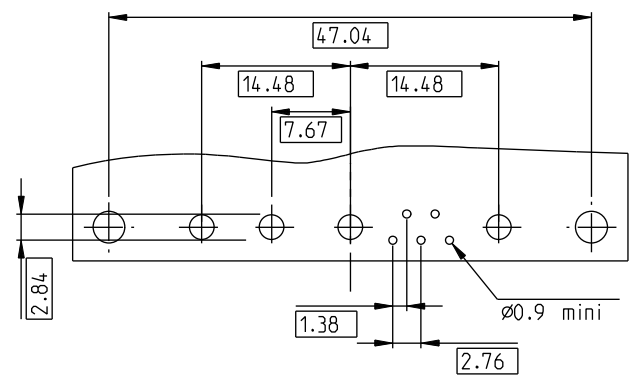
For PCB hole diameters see table 1 sheet 1



9W 4

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1

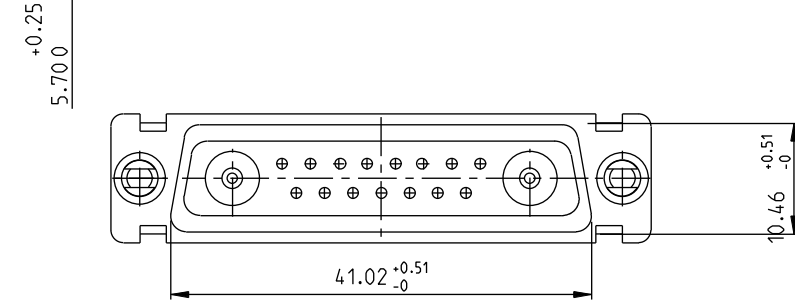
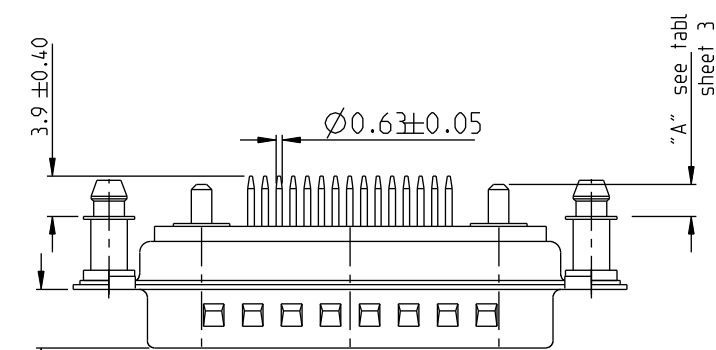
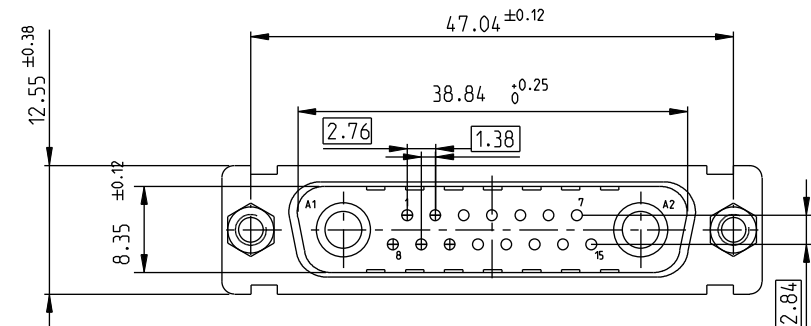
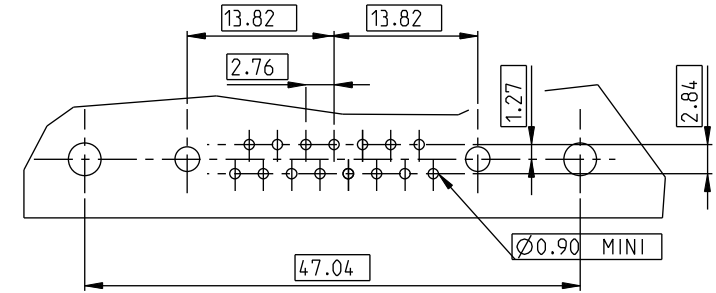


Floating signal contacts

17W 2

LAYOUT AND CONNECTOR DIMENSIONS

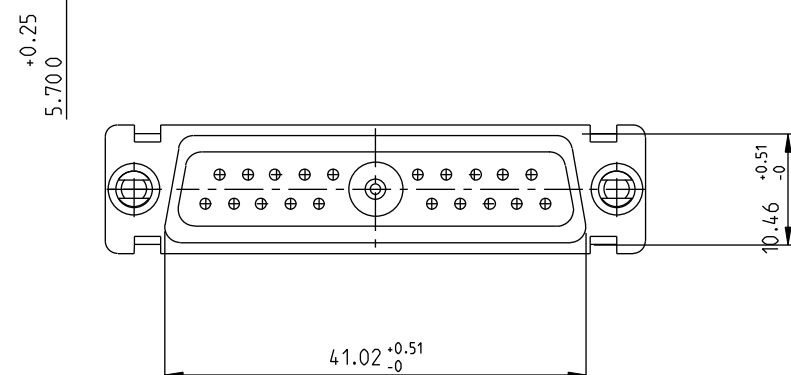
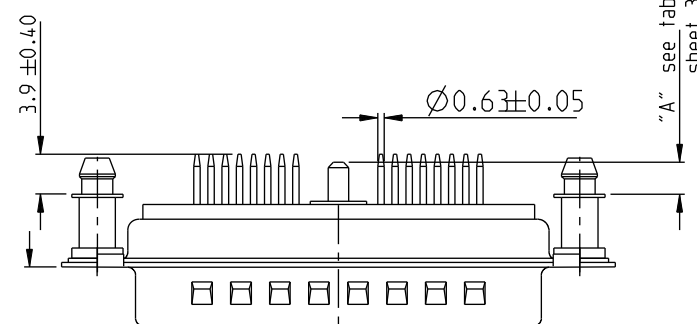
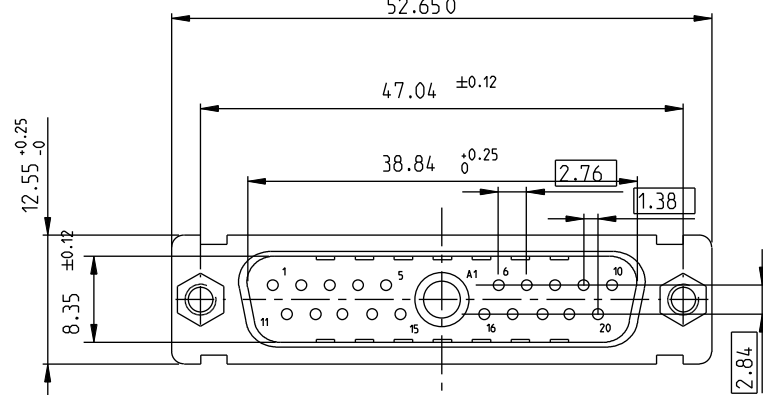
For PCB hole diameters see table 1 sheet 1



www.fciconnect.com			surface 		tolerance std		projection 			
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Eng	P LEGARE	2005-10-11			0.XX	±/				
Chr					0.XXX	±/				
Appr			0° ±/°				ECN		F10-0035	
			Product family				-	Spec ref		
			title SUB MALE DW mixed power straight solder				dwg no C01-8639-2306		Rev. J	
			catalog no -							
			CUSTOMER				sheet 4 of 7			

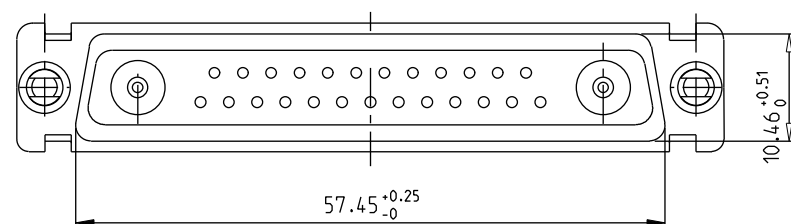
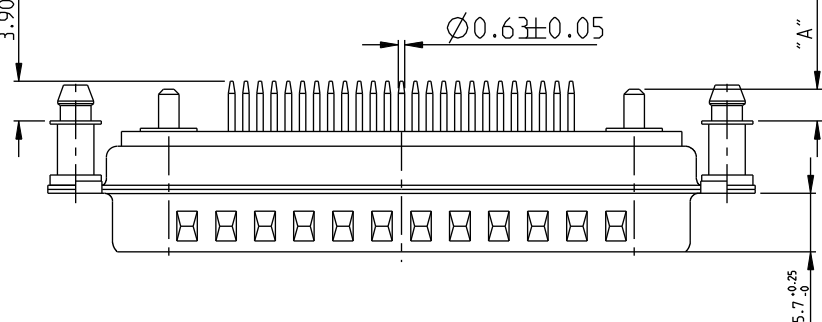
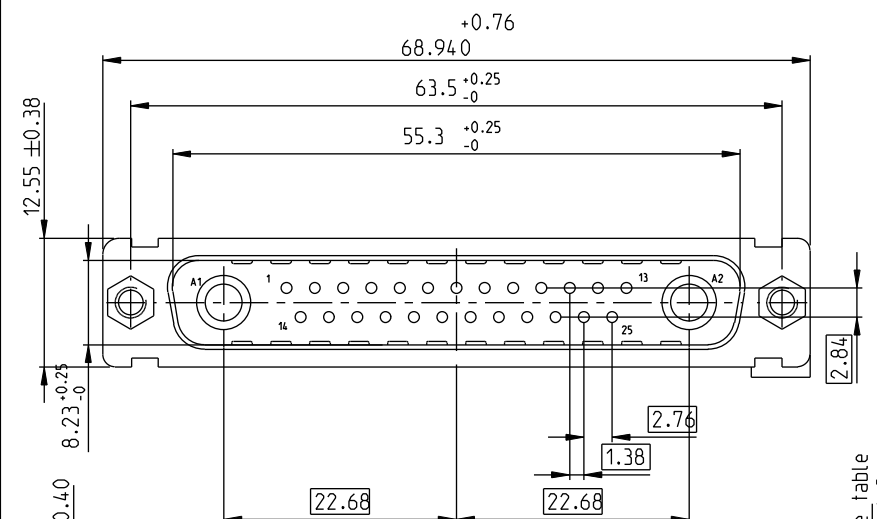
LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1

For PCB hole diameters see table 1 sheet 1



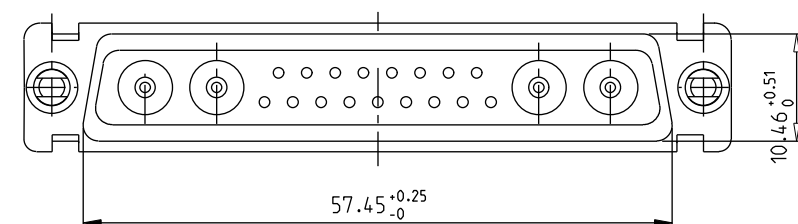
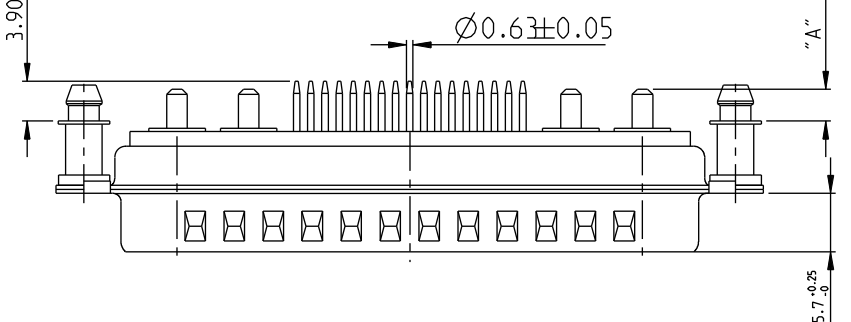
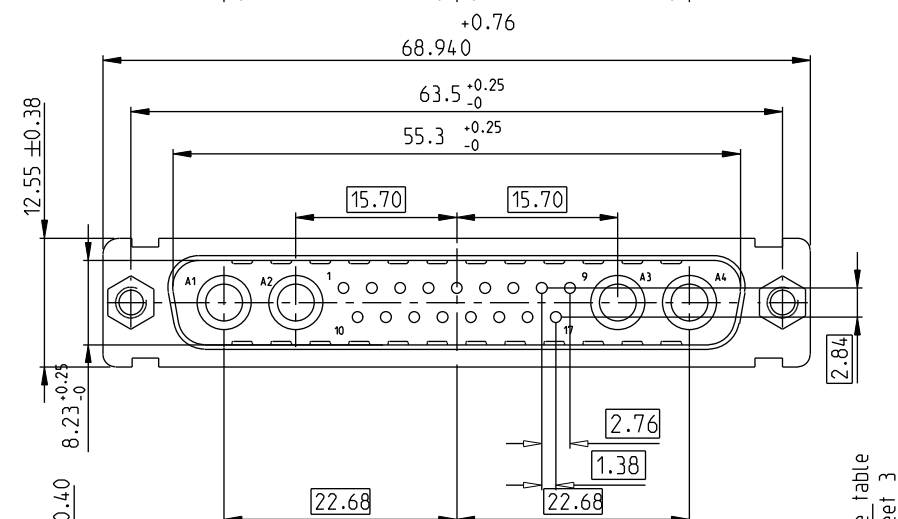
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



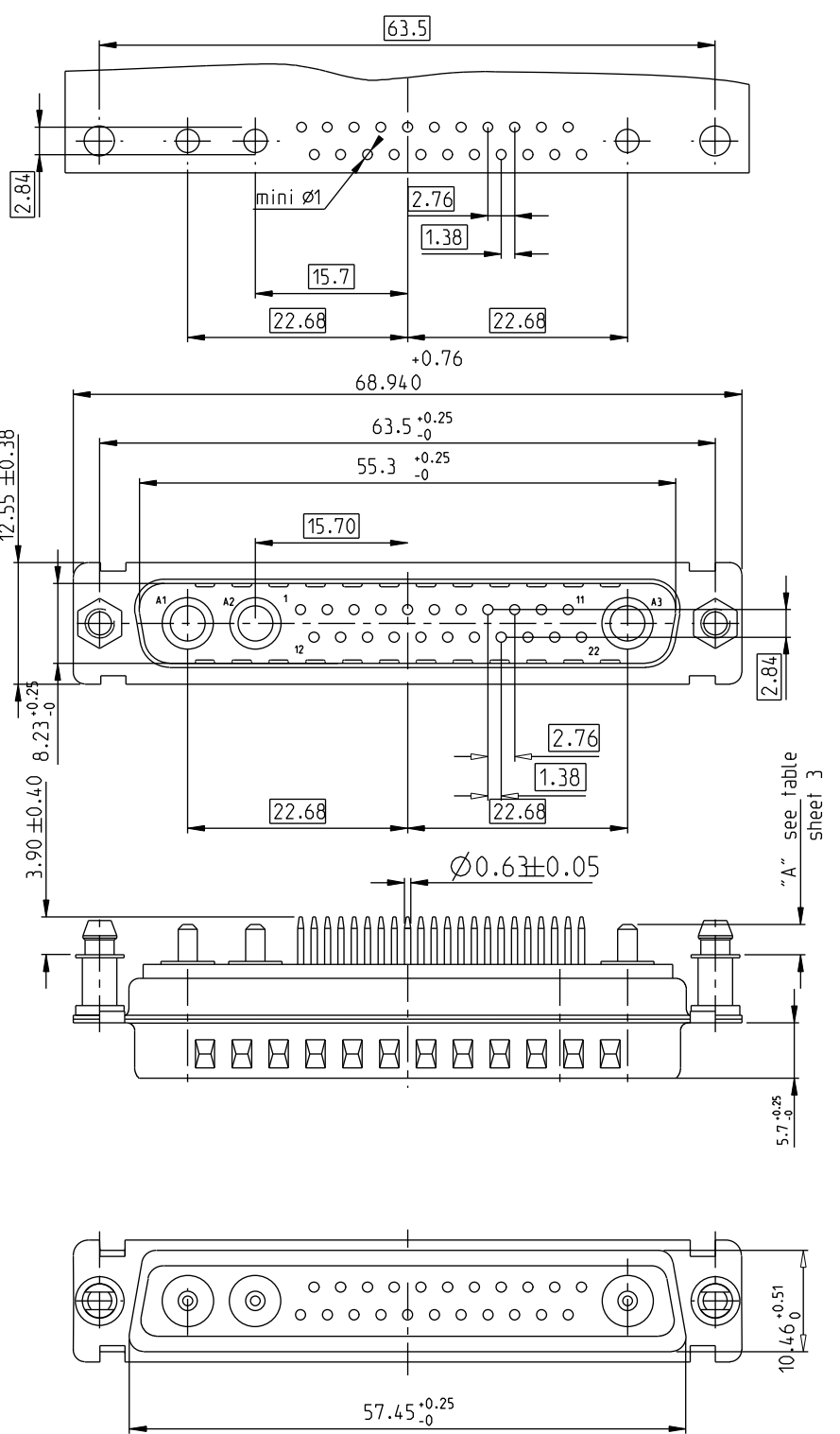
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TOLERANCES UNLESS OTHERWISE SPECIFIED																	
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												catalog no		CUSTOMER		sheet 5 of 7	



25W 3

LAYOUT AND CONNECTOR DIMENSIONS

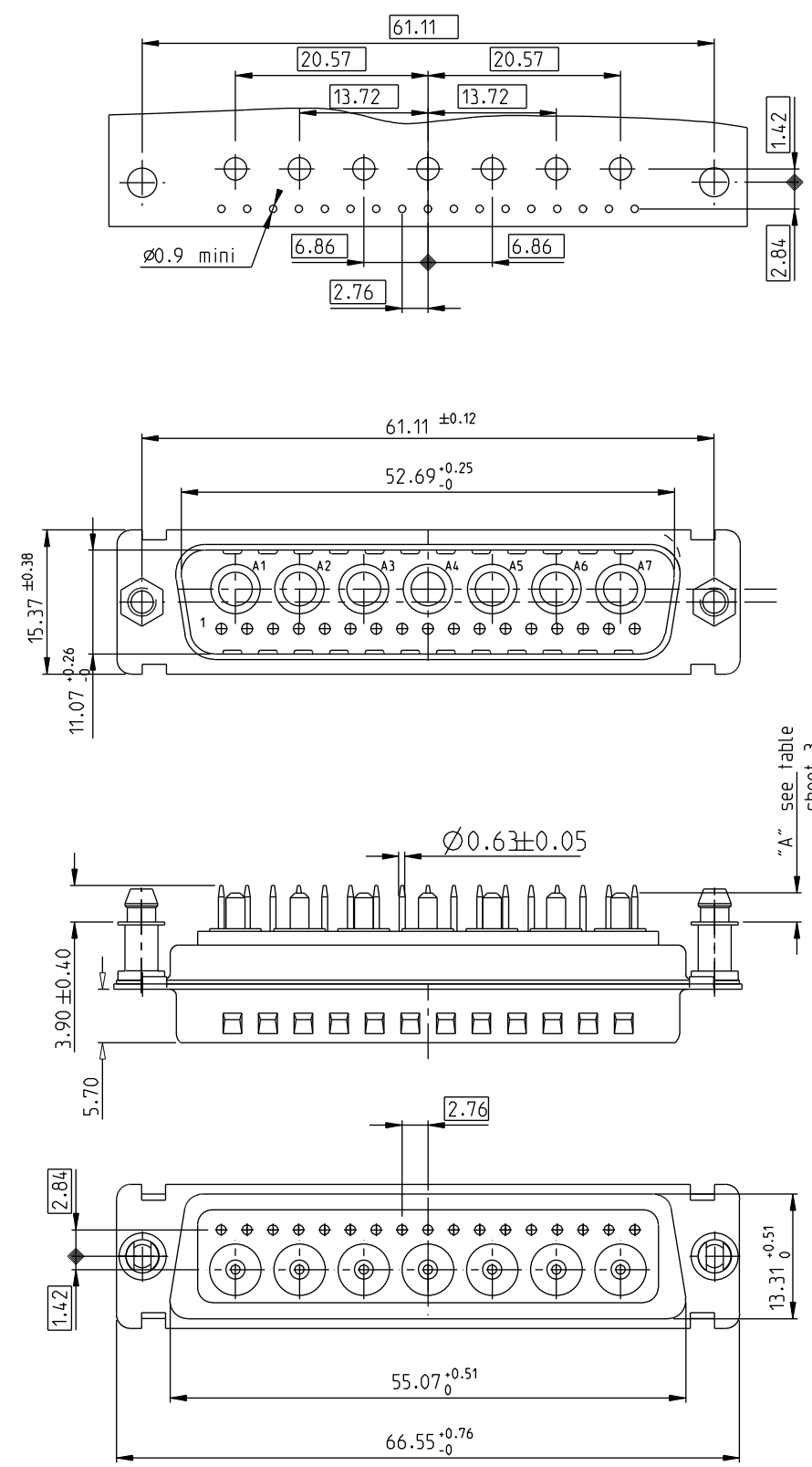
For PCB hole diameters see table 1 sheet 1



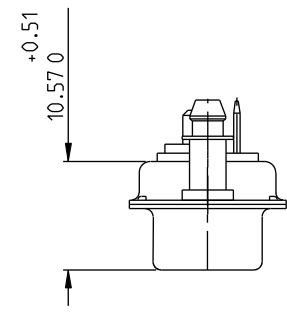
24W 7

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



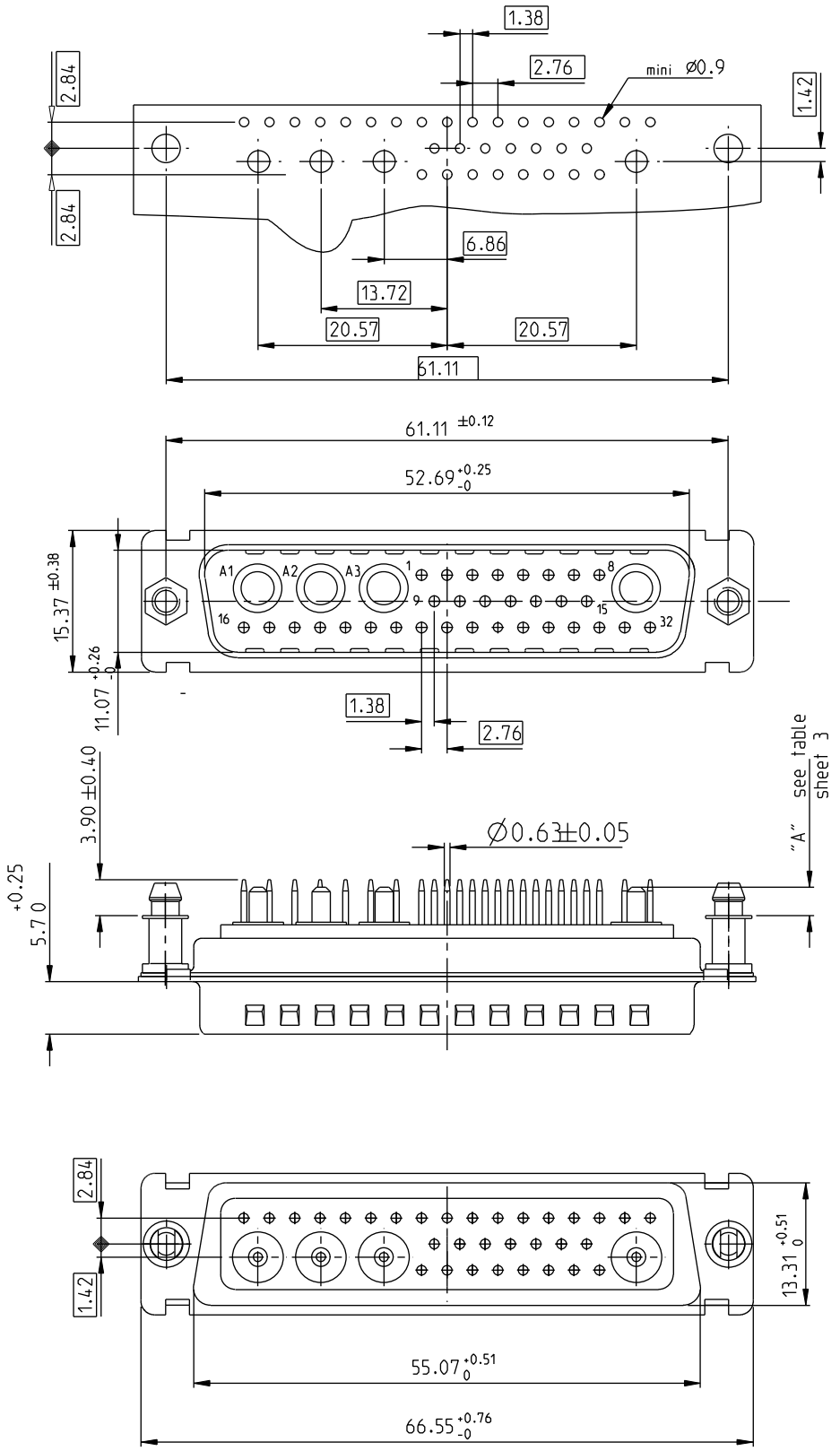
SIDE VIEW FOR LAYOUT: D



www.fciconnect.com			surface		- ✓		tolerance std		projection		 			
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Eng	P LEGARE	2005-10-11			0.XX		±/							
Chr					0° ±°		0.XXX		±/		ECN F10-0035			
Appr			Product family						-	Spec ref				
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36W 4

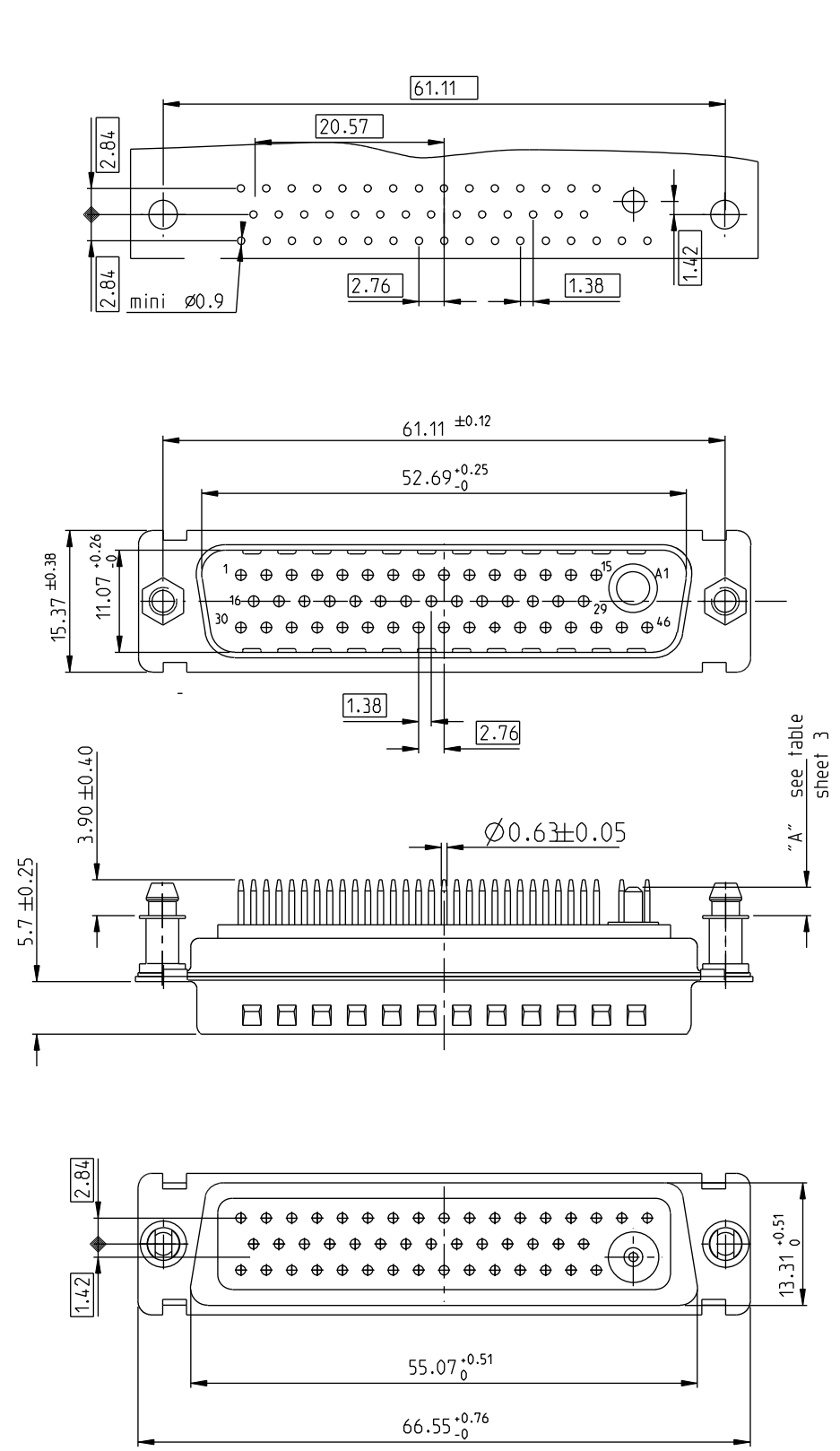
LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1



Floating signal contacts

47W 1

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



www.fciconnect.com			surface		- ✓		tolerance std		projection		 →	
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Eng	P LEGARE	2005-10-11			0.XX	±/						
Chr					0° ±°	0.XXX	±/	ECN	F10-0035			
Appr			Product family					-	Spec ref			
			title					dwg no			Rev.	
			SUB MALE DW					C01-8639-2306			J	
			mixed power straight solder									
			catalog no					-	CUSTOMER		sheet 7 of 7	