

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 7.5µ.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

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

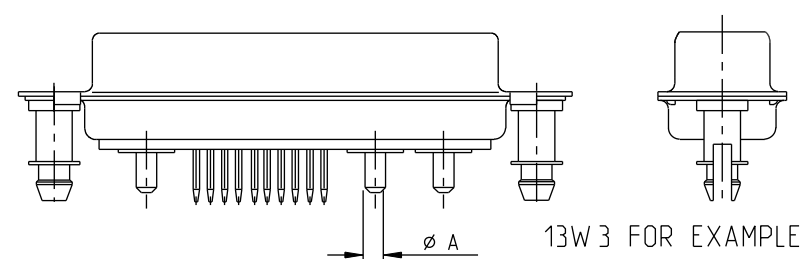
PCB accessories definition
see sheet 2
A : No PCB accessory
H : Harpoons for PCB 2.40mm
G : Harpoons for PCB 1.60mm

Power contacts
00 :Not fitted with power contact
30 :Fitted with power contacts 30 Amp.
40 :Fitted with power contacts 40 Amp.

See note RoHS

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



rev	ecn no	dr	date
H	F09-0092	LSA	2009/09/16
J	F10-0035	LSA	2010/04/14
-	-	-	-
D	LS07-0165	MPE	2007/06/14
E	LS07-0273	MPE	2007/10/31
F	LS08-0067	MPE	2008/03/10
G	LS09-0027	MPE	2009/01/21

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					dwg no		C01-8639-2302		Rev.	
		mixed power straight solder									J	
catalog no				-		CUSTOMER			sheet 1 of 7			



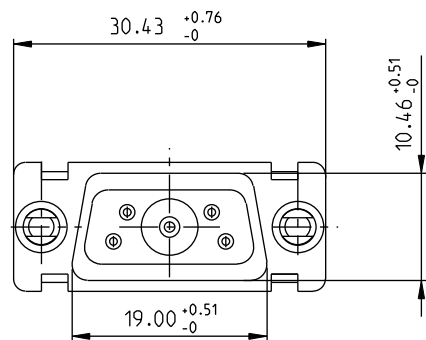
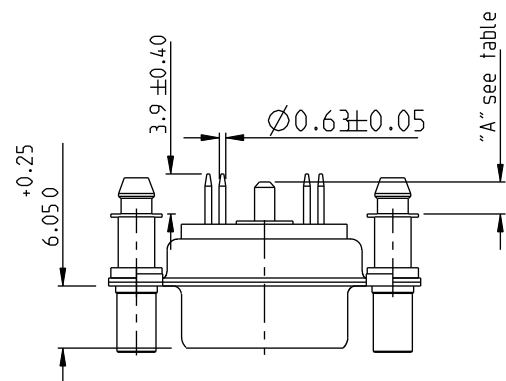
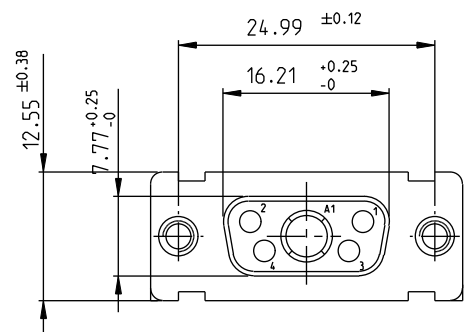
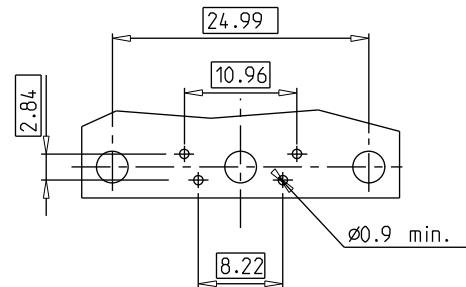
Floating signal contacts

REV E - 2006-03-28

5W 1

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1

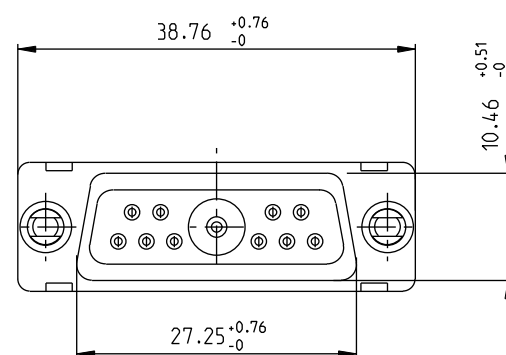
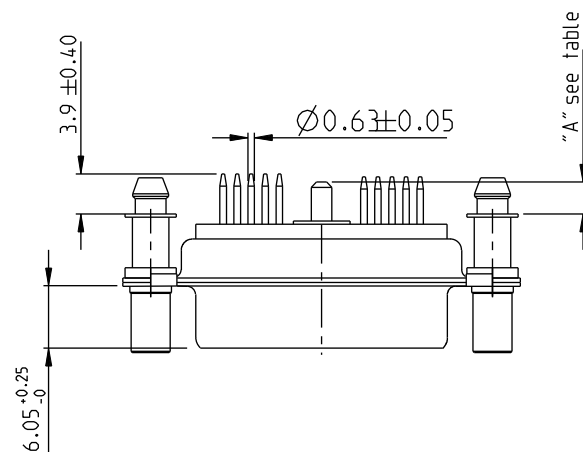
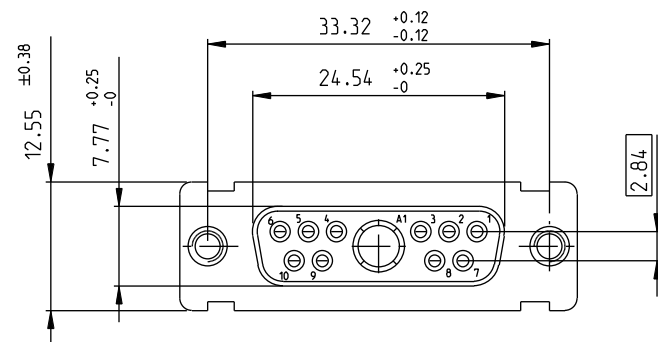
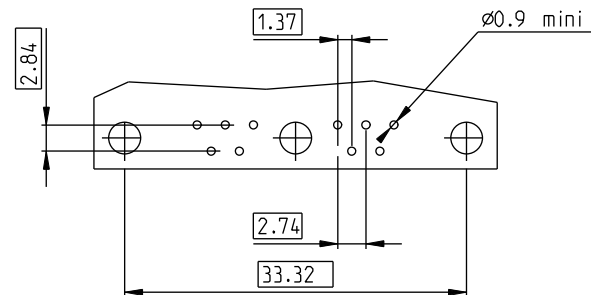


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11W 1

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1

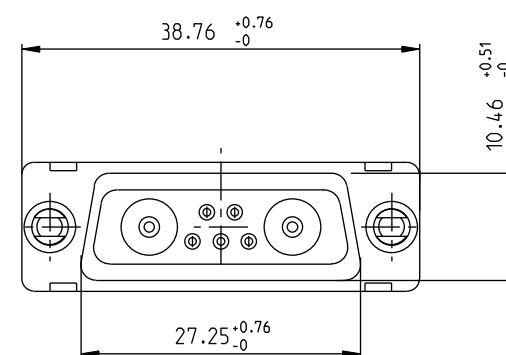
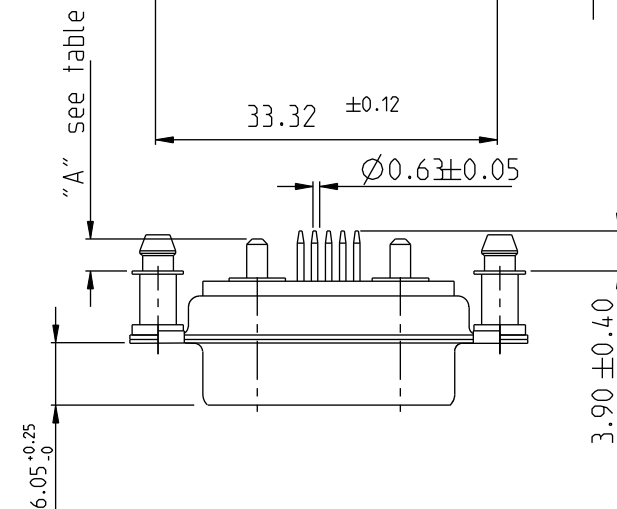
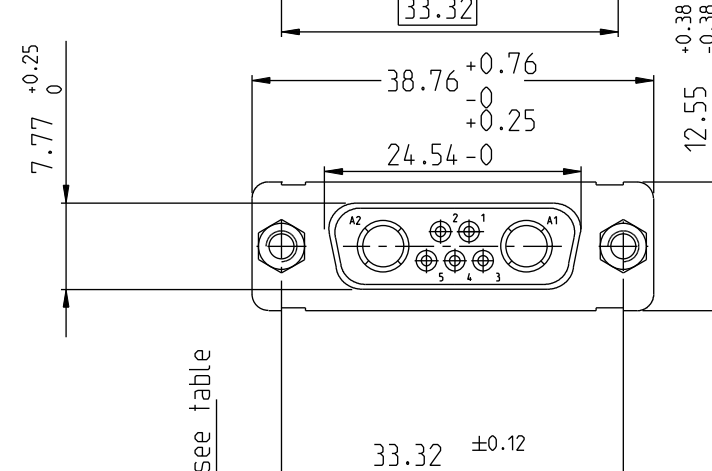
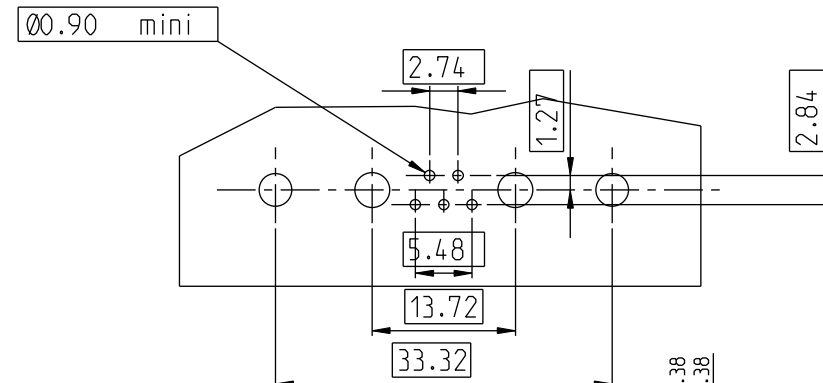


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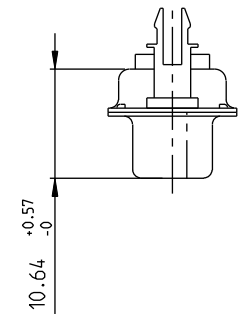
7W 2

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

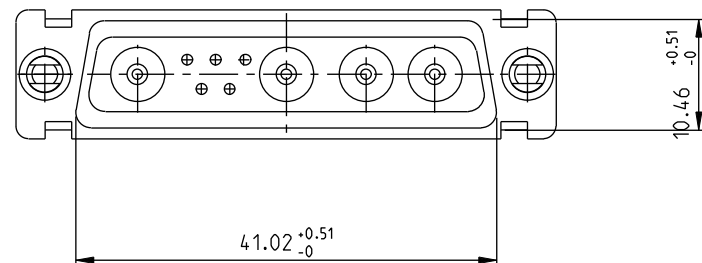
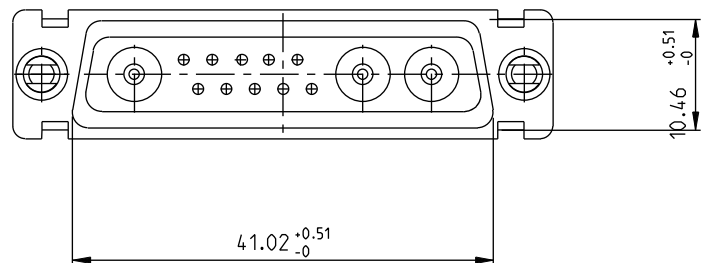
www.fciconnect.com			surface ISO 1302		- ✓ tolerance std ISO 406 ISO 1101		projection 			
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size	A2	Scale	2:1
Eng	P LEGARE	2005-10-11			0.XX	±0.1				
Chr			0° ±2°		0.XXX	±0.05	ECN	F10-0035		
Appr			Product family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

PDS: Rev :J

PDM: Rev :J

US: Released

Printed: Jun 19, 2015

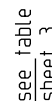
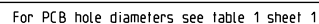


Technical drawing of the front view of a component. The drawing shows a rectangular base with rounded corners and four circular features (two on the left and two on the right). The central area contains a grid of 16 small circular features. Dimension lines indicate a width of $41.02^{+0.51}_{-0}$ and a height of $10.46^{+0.51}_{-0}$.

Released Printed: Jun 19, 2015



For PCB hole diameters see table 1 sheet 1

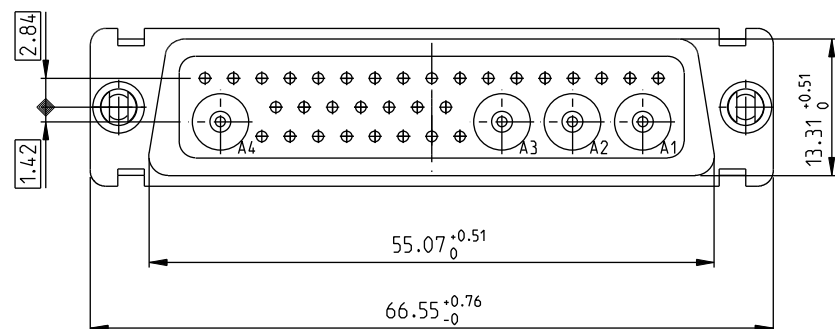
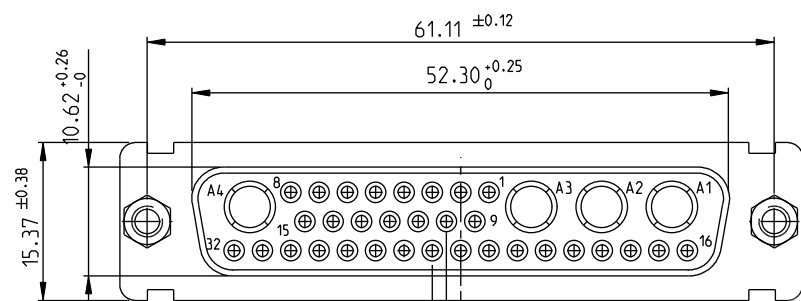


Technical drawing of a mechanical part showing a dimension of 10.64 ± 0.52 . The drawing includes a cross-section view of a cylindrical component with a central hole and a flange. A vertical dimension line indicates the total height of the part, with a tolerance of ± 0.52 units. The nominal dimension is 10.64 units.

6 PDS: Rev :J PDM: Rev:J STATUS:Released STATUS:Released 8 Printed: Jun 19, 2015 Printed: Apr 28, 2015

LAYOUT AND CONNECTOR DIMENSIONS

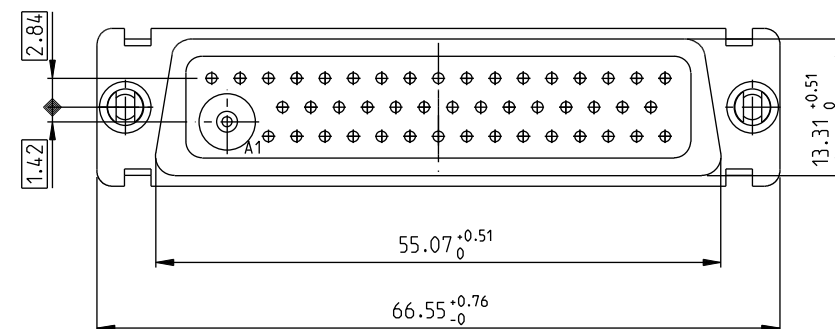
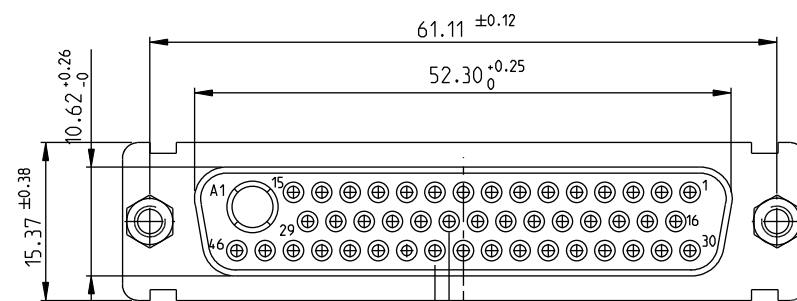
For PCB hole diameters see table 1 sheet 1



Floating signal contacts

LAYOUT AND CONNECTOR DIMENSIONS

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