

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

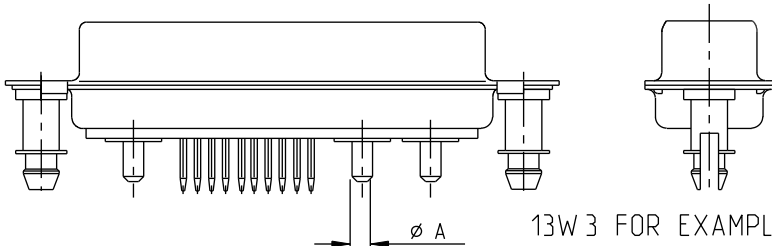
Plating
00 200 matings/unmatings
43 500 matings/unmatings

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.

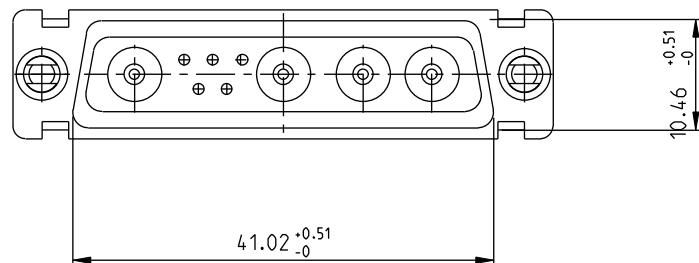
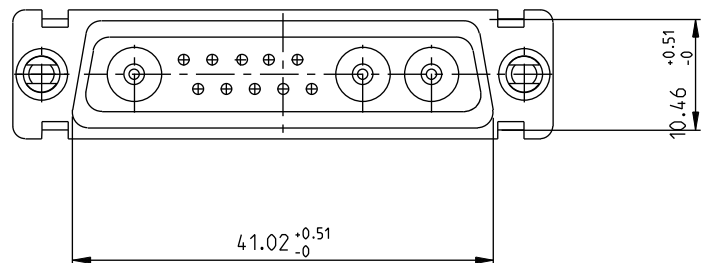
TABLE 1:PCB HOLE DIAMETERS

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 - 		tolerance std ISO 1302 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.XXX ±0.05					
Appr			0° ±2°				ECN		F10-0035	
			Product family				-		Spec ref	
		title	SUB SOCKET DW				dwg no	C01-8639-2302		Rev. J
			mixed power straight solder							
			catalog no							
							-	CUSTOMER		sheet 1 of 7



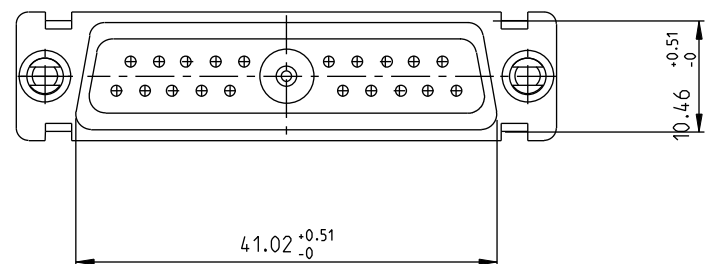


Technical drawing of the front view of a component. The component is rectangular with rounded corners and features four mounting tabs, one on each side. The central area contains a grid of 16 pins (8 rows by 2 columns). Dimension lines indicate a width of $41.02^{+0.51}_{-0}$ mm and a height of $10.46^{+0.51}_{-0}$ mm.

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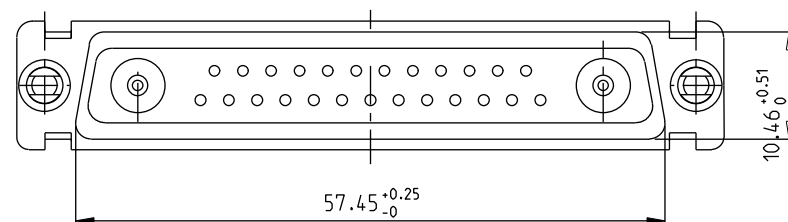
LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1

For PCB hole diameters see table 1 sheet 1



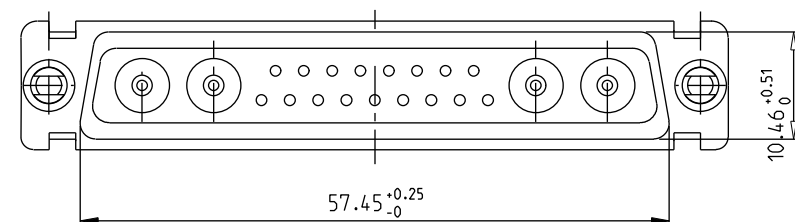
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



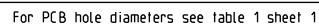
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



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.xxx	±0.1					
Chr			0° ±2°			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 5 of 7		

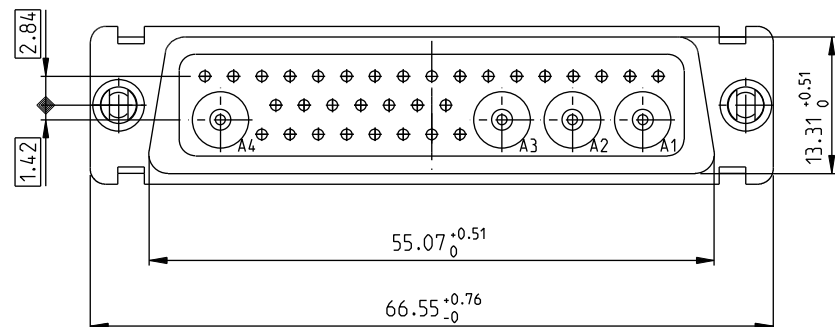
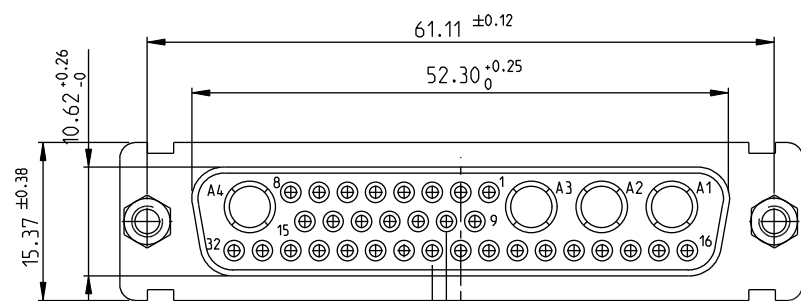
For PCB hole diameters see table 1 sheet 1



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 and a nominal value of 10.64 . The drawing is labeled with '10.64' and '+0.52' and '-0'.

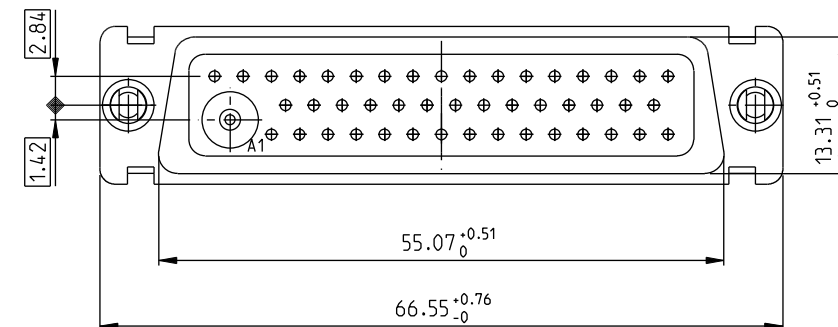
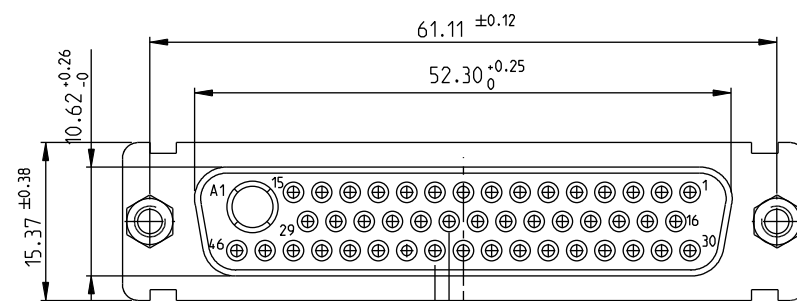
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LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

LAYOUT AND CONNECTOR DIMENSIONS



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

Mouser Electronics

Authorized Distributor

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[DBV13W3S343H40LF](#) [DDV24W7S300G40LF](#) [DAO7W2S343H40LF](#) [DAL7W2S343G30LF](#) [DBL9W4S300H30LF](#)
[DBO9W4S300G40LF](#) [DBV9W4S343H40LF](#) [DDO24W7S343H40LF](#) [DB17W2S300A30LF](#) [DAO7W2S300G40LF](#)
[DAO7W2S343G30LF](#) [DBO17W2S300G30LF](#) [DBL9W4S300G30LF](#) [DBO13W3S300H40LF](#) [DBO17W2S300G40LF](#)
[DCV25W3S300G30LF](#) [DDO36W4S300G00LF](#) [DB9W4S343A00LF](#) [DBO13W3S300H00LF](#) [DCV25W3S300A30LF](#)
[DAV7W2S343A30LF](#) [DBV13W3S300H00LF](#) [DDO36W4S343G00LF](#) [DB13W3S300G30LF](#) [DDV24W7S300H40LF](#)
[DBO21W1S300G30LF](#) [DAL11W1S300A30LF](#)