

1		2	3	4	5	6
A	DBL13W3S					
	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 aliv 30 : Fitted with power contacts 30 Amp. 40 : Fitted with power contacts 40 Amp.					
B	REFERENCE SPECIFICATIONS					
	-NFC 93425 (in compliance with HE 507)					
	PHYSICAL CHARACTERISTICS					
C	- INSULATOR MATERIAL: THERMOPLASTIC UL94V0					
	- CONTACT MATERIAL: PHOSPHOR BRONZE(SIGNAL CONTACT)					
	BRASS (POWERS CONTACT)					
D	- 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					

I	2	3	4	5	6
A					
B					
C	FRONT ACCESSORY Blank Without	L insert M3 O insert UNC 4.40	V insert UNC 4.40	Blank Without	M Metal brackets
	PCB ACCESSORIES	A Without	A Without		
D					

1		2		3		4		5		6	
A	PART		NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES	shell size *		LAYOUTS xWx	
	D*LxWxS500A30LF		30	200	without	without	E		5W1		
	D*LxWxS500A30LF		30	200	insert M3	without	A		11W1		
	D*OxWxS500A30LF		30	200	insert UNC 4.40	without	A		7W2		
	D*VxWxS500A30LF		30	200	female screw UNC 4.40	without	B		21W1		
	D*LxWxS500H30LF		30	200	without	metal bracket+harpoon PCB 2.40mm	B		17W2		
	D*OxWxS500H30LF		30	200	insert M3	metal bracket+harpoon PCB 2.40mm	B		13W3		
	D*OxWxS500G30LF		30	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm	C		9W4		
	D*VxWxS500G30LF		30	200	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm	C		25W3		
	D*LxWxS500M30LF		30	200	without	metal bracket	C		21WA4		
B	D*LxWxS500M30LF		30	200	insert M3	metal bracket	C		27W2		
	D*OxWxS500M30LF		30	200	insert UNC 4.40	metal bracket	D		24W7		
	D*VxWxS500M30LF		30	200	female screw UNC 4.40	metal bracket					
	D*LxWxS500H40LF		40	200	without	metal bracket+harpoon PCB 2.40mm					
	D*OxWxS500H40LF		40	200	insert M3	metal bracket+harpoon PCB 2.40mm					
	D*VxWxS500H40LF		40	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm					
	D*LxWxS500G40LF		40	200	without	metal bracket+harpoon PCB 1.60mm					
	D*OxWxS500G40LF		40	200	insert M3	metal bracket+harpoon PCB 1.60mm					
	D*VxWxS500G40LF		40	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm					
	D*LxWxS500M40LF		40	200	without	metal bracket+harpoon PCB 1.60mm					
C	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					
	D*LxWxS500H40LF		40	200	without	metal bracket+harpoon PCB 2.40mm					
	D*OxWxS500H40LF		40	200	insert M3	metal bracket+harpoon PCB 2.40mm					
	D*VxWxS500H40LF		40	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm					
	D*LxWxS500G40LF		40	200	without	metal bracket+harpoon PCB 1.60mm					
	D*OxWxS500G40LF		40	200	insert M3	metal bracket+harpoon PCB 1.60mm					
	D*VxWxS500G40LF		40	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm					
	D*LxWxS500M40LF		40	200	without	metal bracket+harpoon PCB 1.60mm					
D	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					
	D*LxWxS500H40LF		40	200	without	metal bracket+harpoon PCB 2.40mm					
	D*OxWxS500H40LF		40	200	insert M3	metal bracket+harpoon PCB 2.40mm					
	D*VxWxS500H40LF		40	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm					
	D*LxWxS500G40LF		40	200	without	metal bracket+harpoon PCB 1.60mm					
	D*OxWxS500G40LF		40	200	insert M3	metal bracket+harpoon PCB 1.60mm					
	D*VxWxS500G40LF		40	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm					
	D*LxWxS500M40LF		40	200	without	metal bracket+harpoon PCB 1.60mm					

6

5

4

3

2

1

5W1

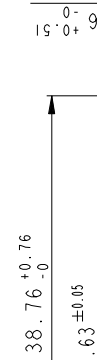
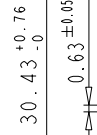
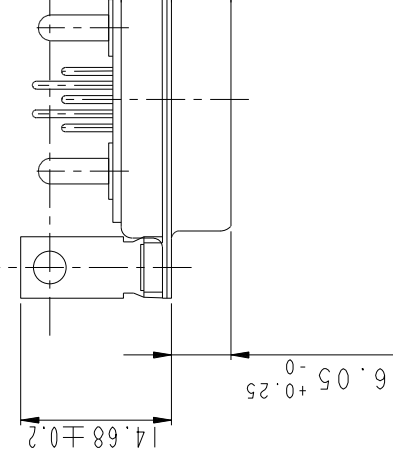
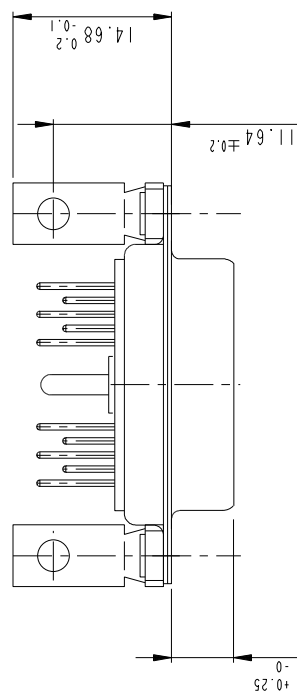
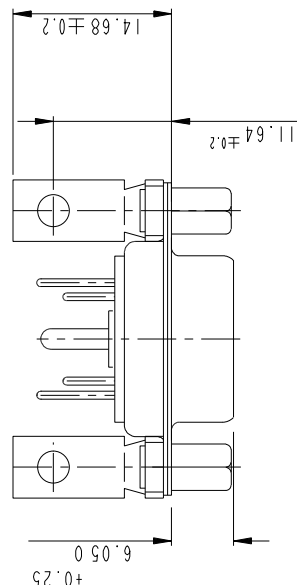
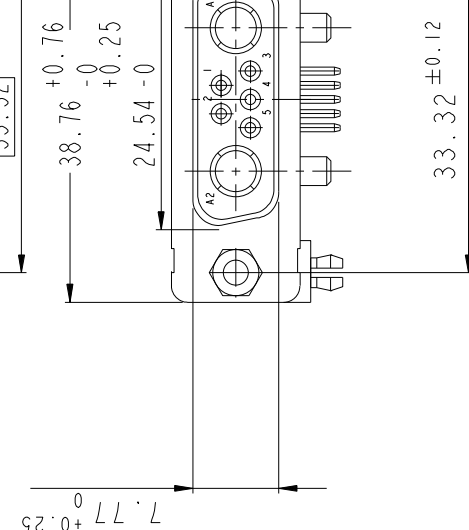
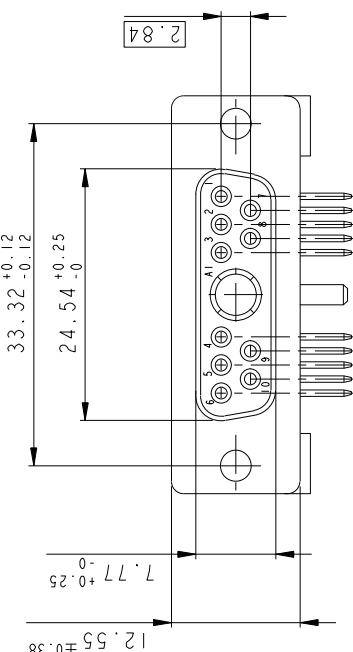
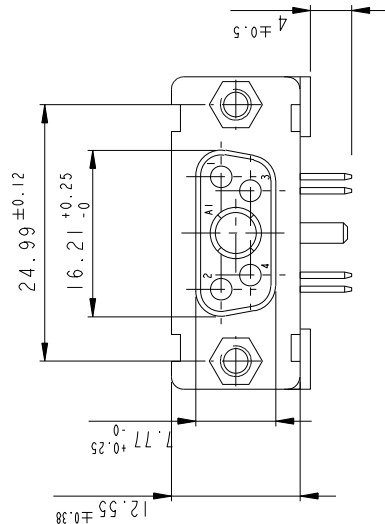
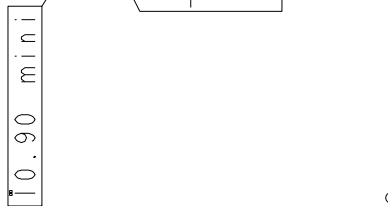
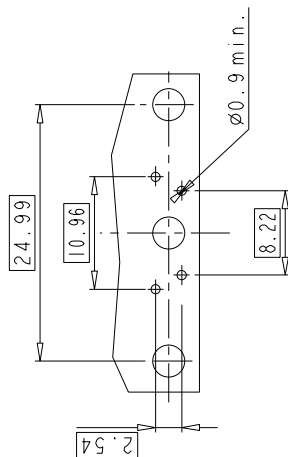
11W1

7W

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

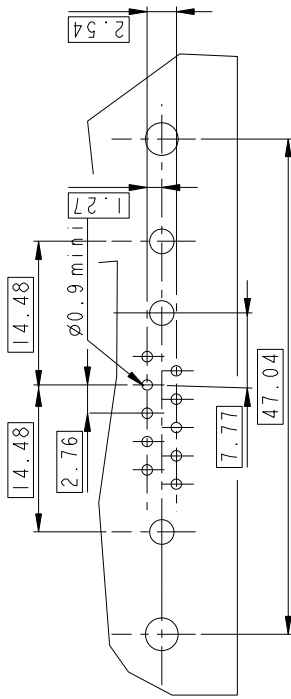
LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1



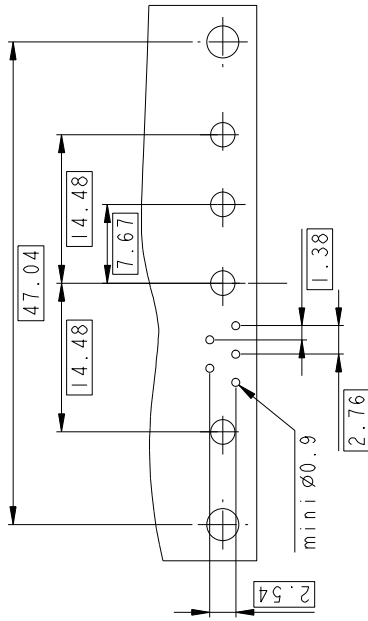
13W3

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1

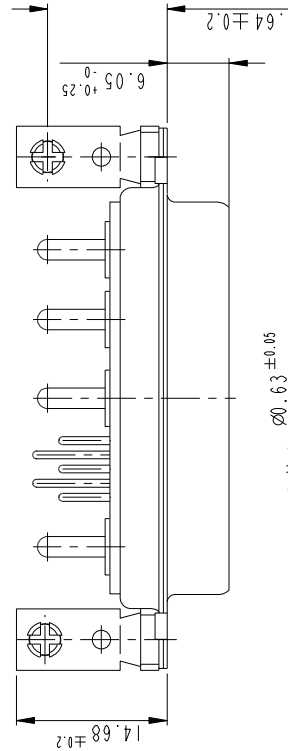
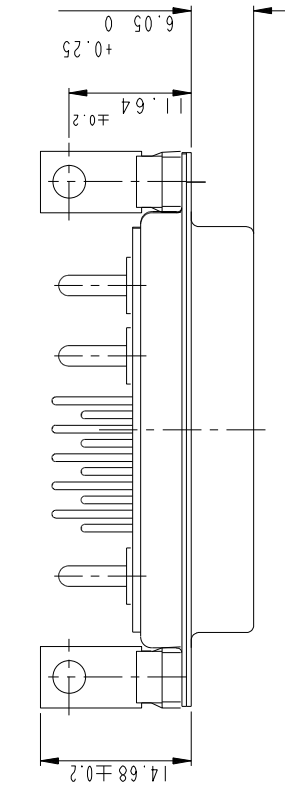
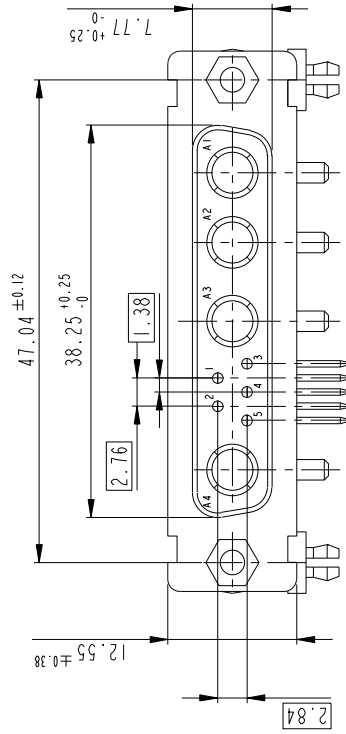
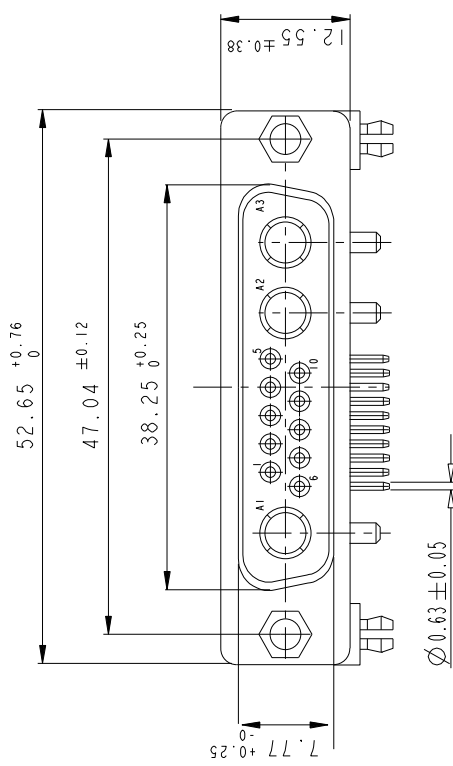


9W4



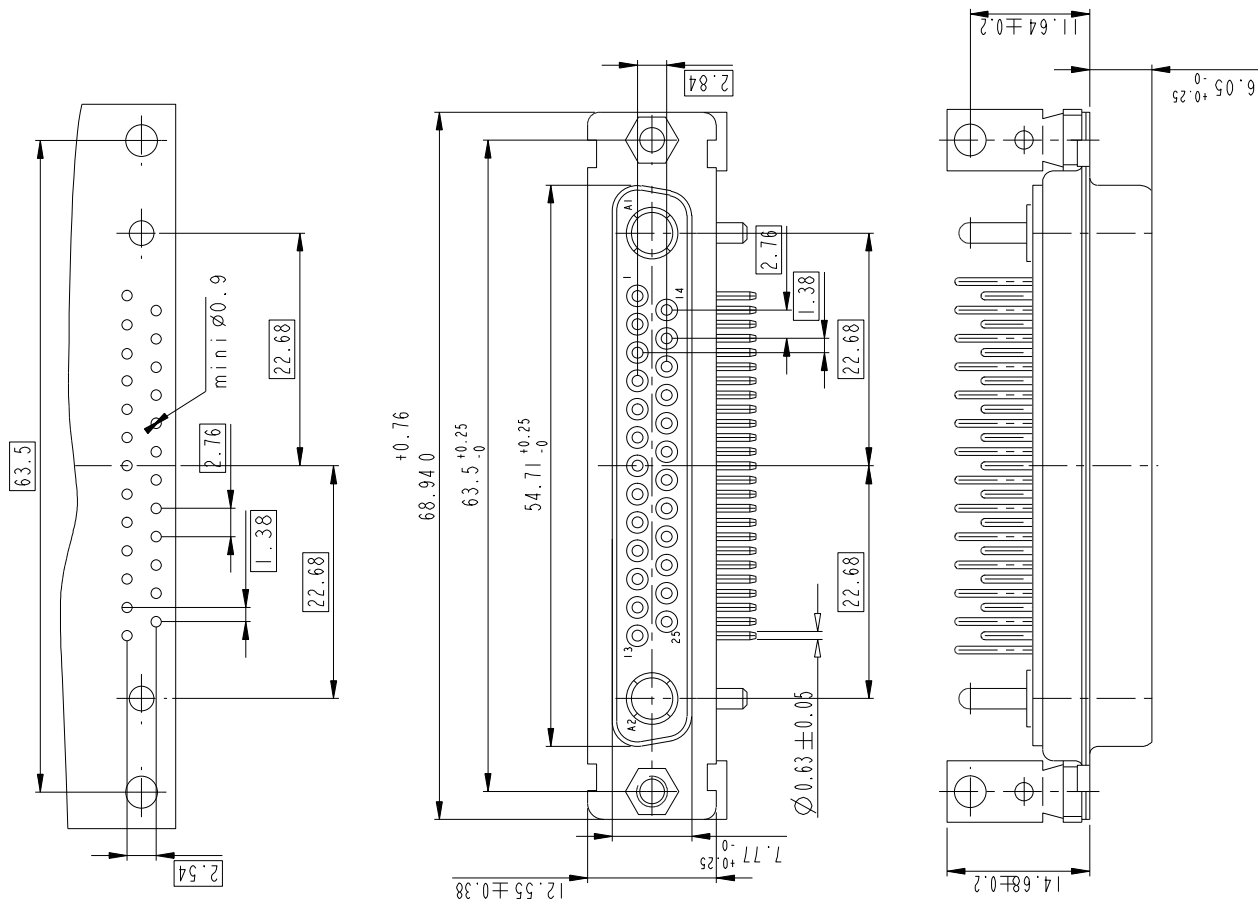
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1

3.20 max
7.77 ± 0.25 14.68 ± 0.2

27W2

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



21W1

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

