

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC UL94V0
- CONTACT MATERIAL: BRASS
GOLD OVER NICKEL
- ACCESSORIES: STEEL FOR BRACKETS
Cadmium plated, yellow passivation
- SHELLS: STEEL
Cadmium plated, yellow passivation

ELECTRICAL CHARACTERISTICS

- NOMINAL CURRENT: 7.5A (SIGNAL CONTACT)
- CONTACT RESISTANCE: <=7.3 m Ohms(SIGNAL)
- 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 56 DAYS
SALT SPRAY 48 HOURS

Series DBML13W3P500MN

Shell size: **E A B C D**
(see sheet 3)

M :Characteristics for the DM serie

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

P :Pin

Termination type

5 Right angle/Europe standard

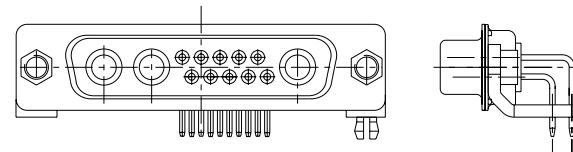
Plating

- 00** Right angle 500 matings/unmatings
- 43** Right angle 500 matings/unmatings for harsh environment

PCB accessories definition(see sheet 2)

- blank** :Plastic brackets
- C** :Without brackets
- M** :Metal brackets

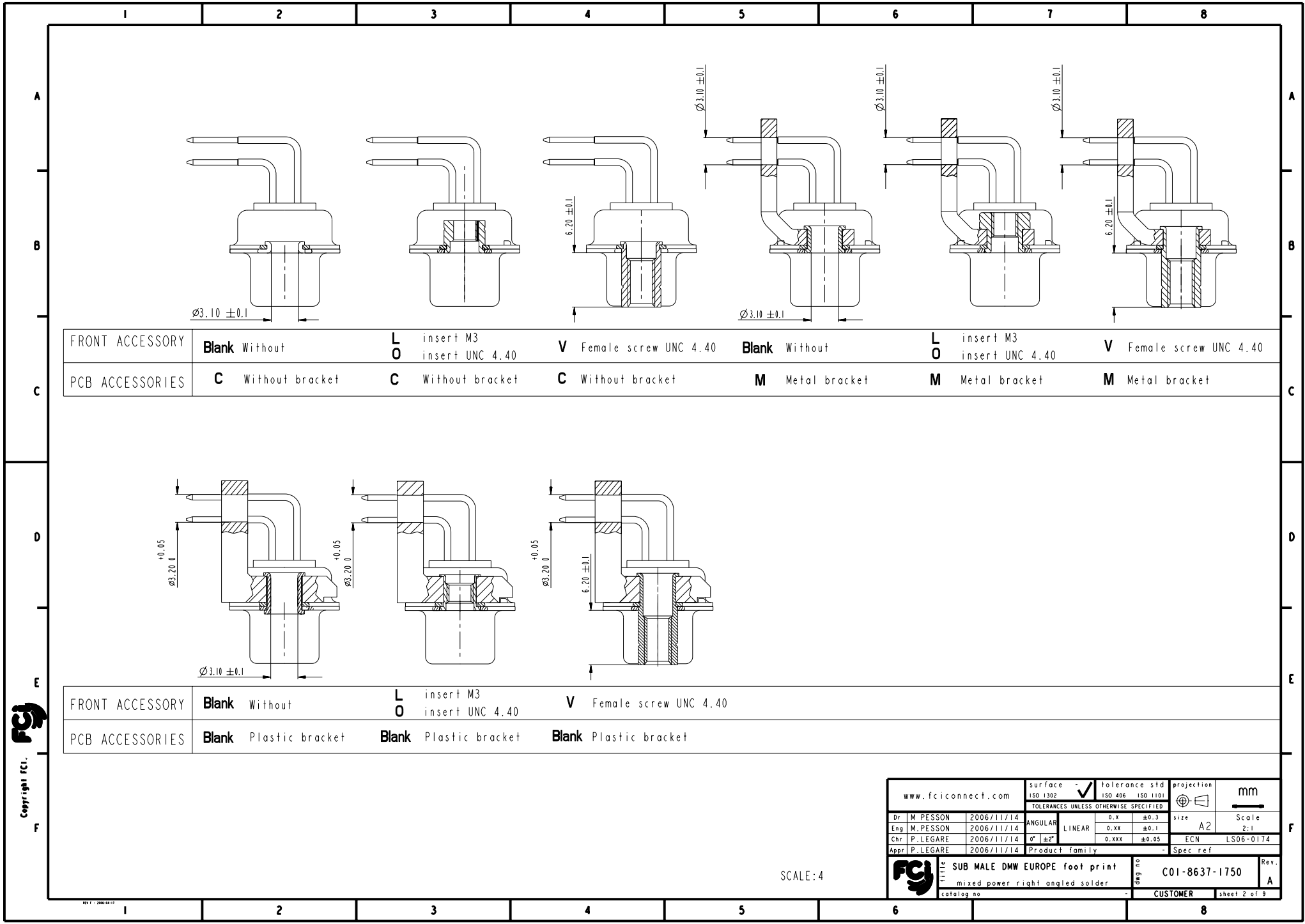
N :Obligatory indication for HE 507



13W3 FOR EXAMPLE

www.fciconnect.com				surface	tolerance std	projection	mm	
				ISO 1302	ISO 406 ISO 1101	mm		
				TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M. PESSON	2006/11/14	ANGULAR	0.X	±0.3	size	A2 Scale 2:1	
Eng	M. PESSON	2006/11/14	LINEAR	0.xx	±0.1	ECN	LS06-0174	
Chr	P. LEGARE	2006/11/14	0° ±2°	0.xxx	±0.05	Product family	Spec ref	
Appr	P. LEGARE	2006/11/14						
SUB MALE DMW EUROPE foot print mixed power right angled solder catalog no				ang no	C01-8637-1750		Rev.	A
				CUSTOMER		sheet 1 of 9		

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FRONT ACCESSORY	Blank Without	L insert M3 O insert UNC 4.40	V Female screw UNC 4.40	Blank Without	L insert M3 O insert UNC 4.40	V Female screw UNC 4.40
PCB ACCESSORIES	C Without bracket	C Without bracket	C Without bracket	M Metal bracket	M Metal bracket	M Metal bracket

FRONT ACCESSORY	Blank Without	L insert M3 O insert UNC 4.40	V Female screw UNC 4.40
PCB ACCESSORIES	Blank Plastic bracket	Blank Plastic bracket	Blank Plastic bracket

www.fciconnect.com		surface - ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr M. PESSON	2006/11/14	ANGULAR	0.X ±0.3	size A2
Eng M. PESSON	2006/11/14	LINEAR	0.XX ±0.1	Scale 2:1
Chr P. LEGARE	2006/11/14	0° ±2°	0.XXX ±0.05	ECN LS06-0174
Appr P. LEGARE	2006/11/14	Product family	- Spec ref	
TITLE SUB MALE DMW EUROPE foot print		ang no	C01-8637-1750	
mixed power right angled solder		Rev.	A	
catalog no		CUSTOMER sheet 2 of 9		

SCALE: 4

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1 2 3 4 5 6 7 8

A
B
C
D
E
F

shell size LAYOUTS
xWx

PART NUMBER	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*MxWxP500CN	500	without	without
D*MLxWxP500CN	500	insert M3	without
D*MOxWxP500CN	500	insert UNC 4.40	without
D*MVxWxP500CN	500	female screw UNC 4.40	without
D*MxWxP500MN	500	without	metal bracket
D*MLxWxP500MN	500	insert M3	metal bracket
D*MOxWxP500MN	500	insert UNC 4.40	metal bracket
D*MVxWxP500MN	500	female screw UNC 4.40	metal bracket
D*MxWxP500N	500	without	plastic bracket
D*MLxWxP500N	500	insert M3	plastic bracket
D*MOxWxP500N	500	insert UNC 4.40	plastic bracket
D*MVxWxP500N	500	female screw UNC 4.40	plastic bracket

PART NUMBER	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*MxWxP543CN	500	without	without
D*MLxWxP543CN	500	insert M3	without
D*MOxWxP543CN	500	insert UNC 4.40	without
D*MVxWxP543CN	500	female screw UNC 4.40	without
D*MxWxP543MN	500	without	metal bracket
D*MLxWxP543MN	500	insert M3	metal bracket
D*MOxWxP543MN	500	insert UNC 4.40	metal bracket
D*MVxWxP543MN	500	female screw UNC 4.40	metal bracket
D*MxWxP543N	500	without	plastic bracket
D*MLxWxP543N	500	insert M3	plastic bracket
D*MOxWxP543N	500	insert UNC 4.40	plastic bracket
D*MVxWxP543N	500	female screw UNC 4.40	plastic bracket

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

A
B
C
D
E
F

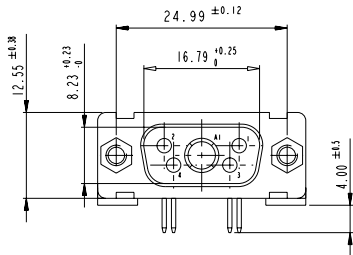
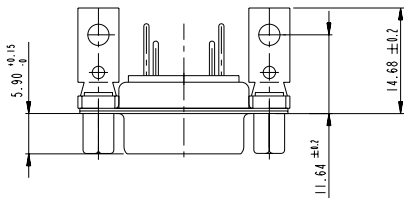
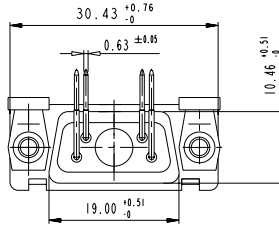
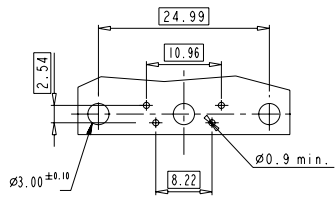


www.fciconnect.com		surface - ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr M.PESSON	2006/11/14	ANGULAR	0.X ±0.3	size A2 Scale 2:1
Eng M.PESSON	2006/11/14	LINEAR	0.XX ±0.1	
Chr P.LEGARE	2006/11/14	0° ±2°	0.XXX ±0.05	ECN LS06-0174
Appr P.LEGARE	2006/11/14	Product family		Spec.ref
FCI		SUB MALE DMW EUROPE foot print mixed power right angled solder		Rev. A
catalog no		C01-8637-1750		CUSTOMER sheet 3 of 9

1 2 3 4 5 6 7 8

5W1

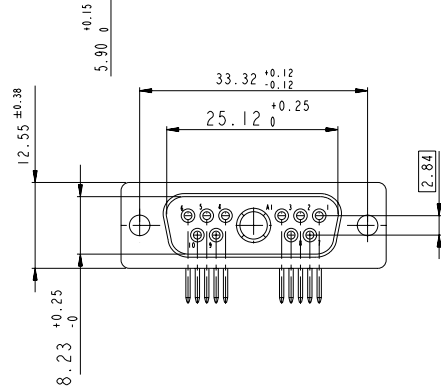
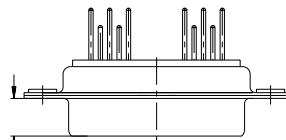
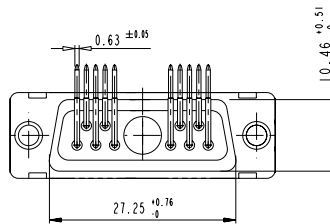
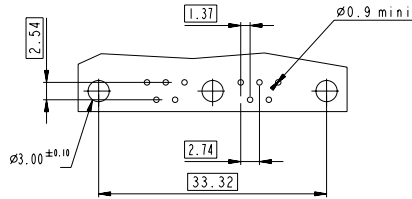
LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

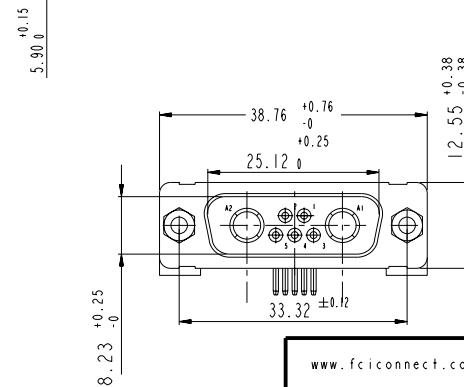
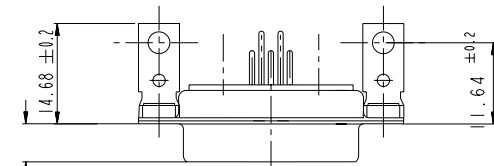
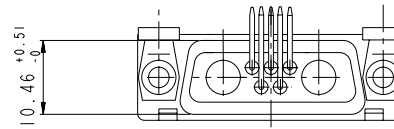
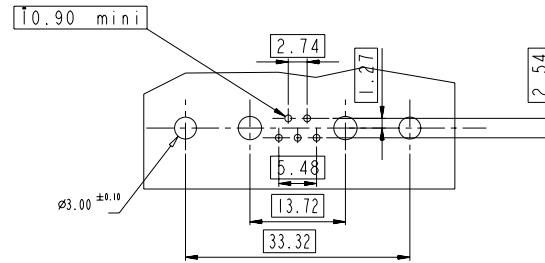
11W1

LAYOUT AND CONNECTOR DIMENSIONS



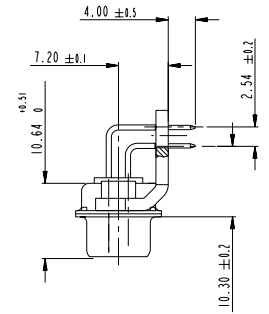
7W2

LAYOUT AND CONNECTOR DIMENSIONS



SIDE VIEW FOR ALL LAYOUTS

E-A-B-C

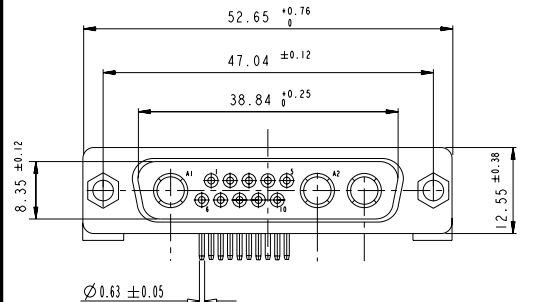
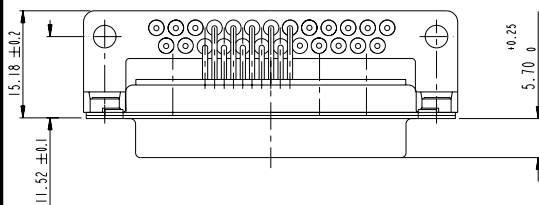
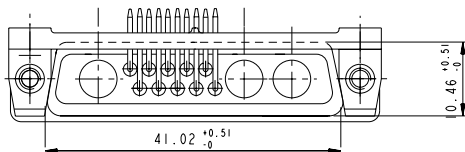
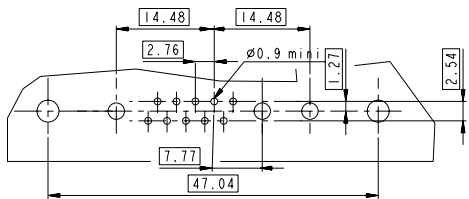


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www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1101	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr M. PESSON	2006/11/14	ANGULAR	0.X ±0.3	size	Scale
Eng M. PESSON	2006/11/14	LINEAR	0.XX ±0.1	A2	2:1
Chr P. LEGARE	2006/11/14	0° ±2°	0.XXX ±0.05	ECN	LS06-0174
Appr P. LEGARE	2006/11/14	Product family		Spec ref	
		TITLE SUB MALE DMW EUROPE foot print mixed power right angled solder catalog no		dwg no C01-8637-1750	Rev. A
CUSTOMER				sheet 4 of 9	

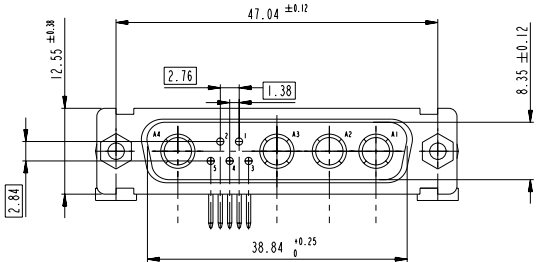
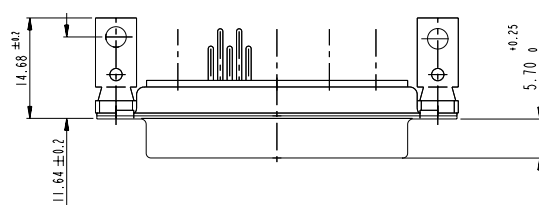
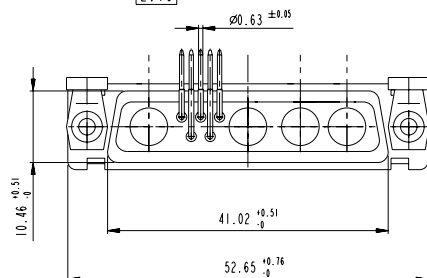
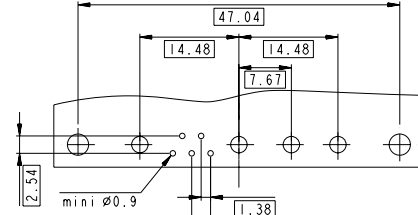
13W3

LAYOUT AND CONNECTOR DIMENSIONS



9W4

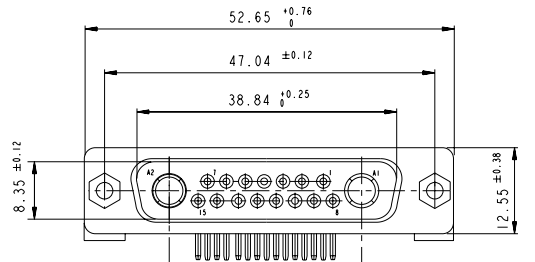
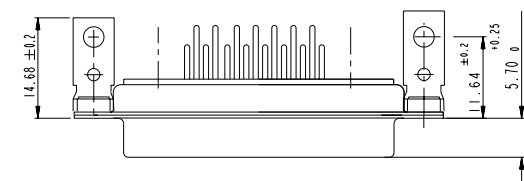
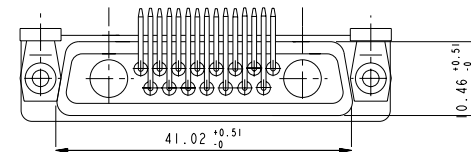
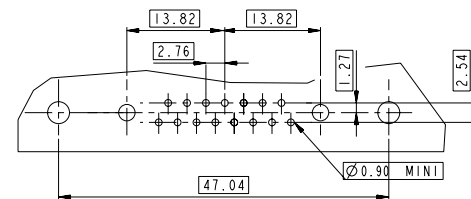
LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

17W2

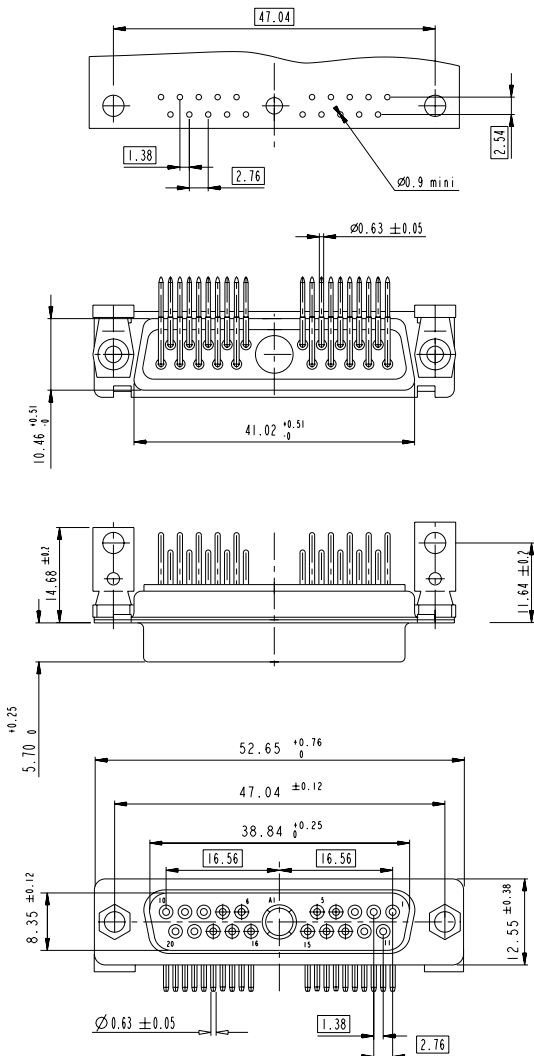
LAYOUT AND CONNECTOR DIMENSIONS



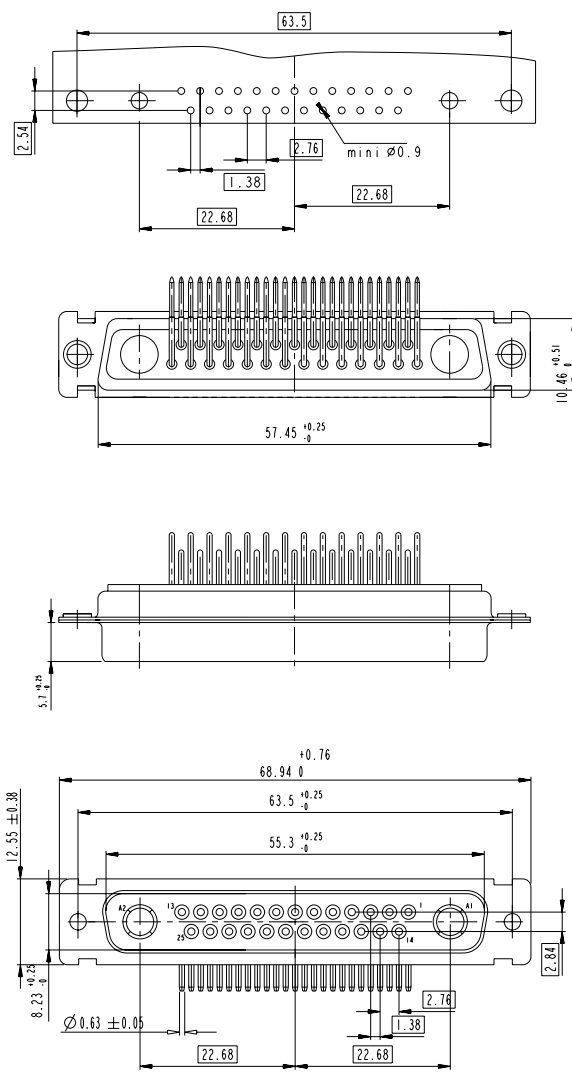
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www.fciconnect.com		surface - ISO 1302	tolerance std - ISO 406 ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr M. PESSON	2006/11/14	ANGULAR	0.xx ±0.3	size	Scale
Eng M. PESSON	2006/11/14	LINEAR	0.xx ±0.1	2:1	
Chr P. LEGARE	2006/11/14	0° ±2°	0.xxx ±0.05	ECN	LS06-0174
Appr P. LEGARE	2006/11/14	Product family		Spec ref	
SUB MALE DMW EUROPE foot print mixed power right angled solder catalog no		part no C01-8637-1750	Rev. A	CUSTOMER sheet 5 of 9	

21W1
LAYOUT AND CONNECTOR DIMENSIONS



27W2
LAYOUT AND CONNECTOR DIMENSIONS

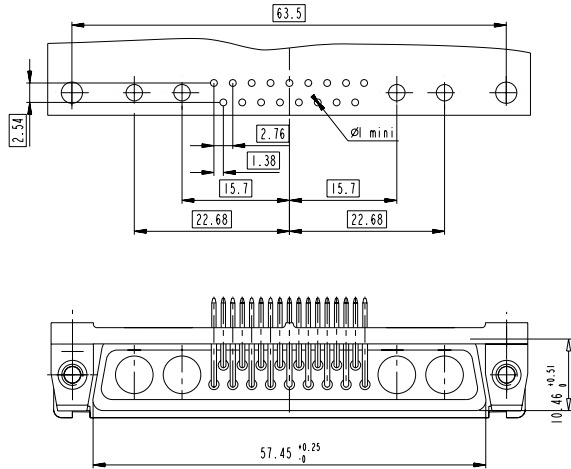


www.fciconnect.com		surface - ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr M. PESSON	2006/11/14	ANGULAR	0.X ± 0.3	size A2 Scale 2:1
Eng M. PESSON	2006/11/14	LINEAR	0.XX ± 0.1	ECN LS06-0174
Chr P. LEGARE	2006/11/14	$0^\circ \pm 2^\circ$	0.XXX ± 0.05	Spec ref
Appr P. LEGARE	2006/11/14	Product family		
SUB MALE DMW EUROPE foot print mixed power right angled solder catalog no		ang no C01-8637-1750	Rev. A	CUSTOMER sheet 6 of 9

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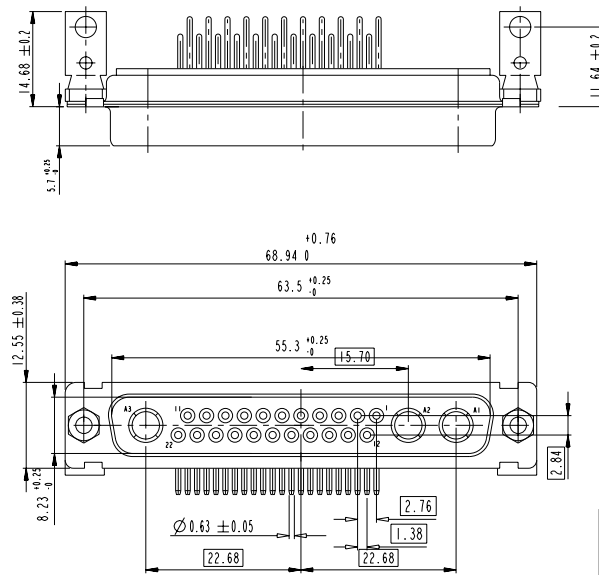
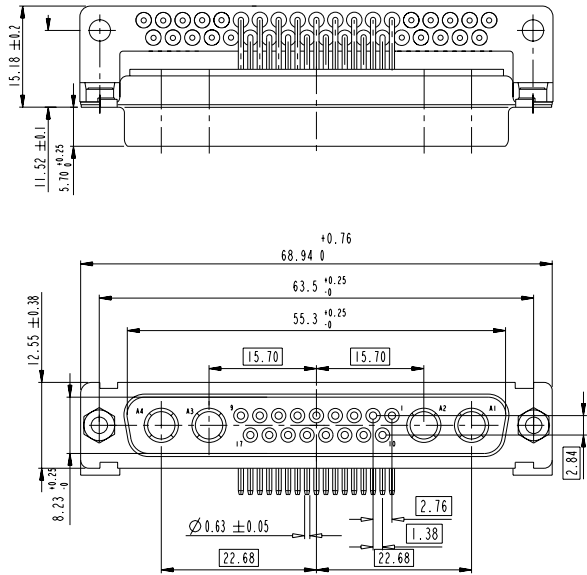
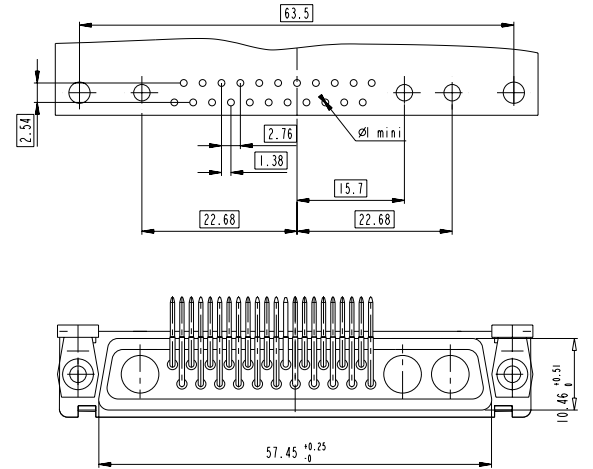
21WA4

LAYOUT AND CONNECTOR DIMENSIONS



25W3

LAYOUT AND CONNECTOR DIMENSIONS

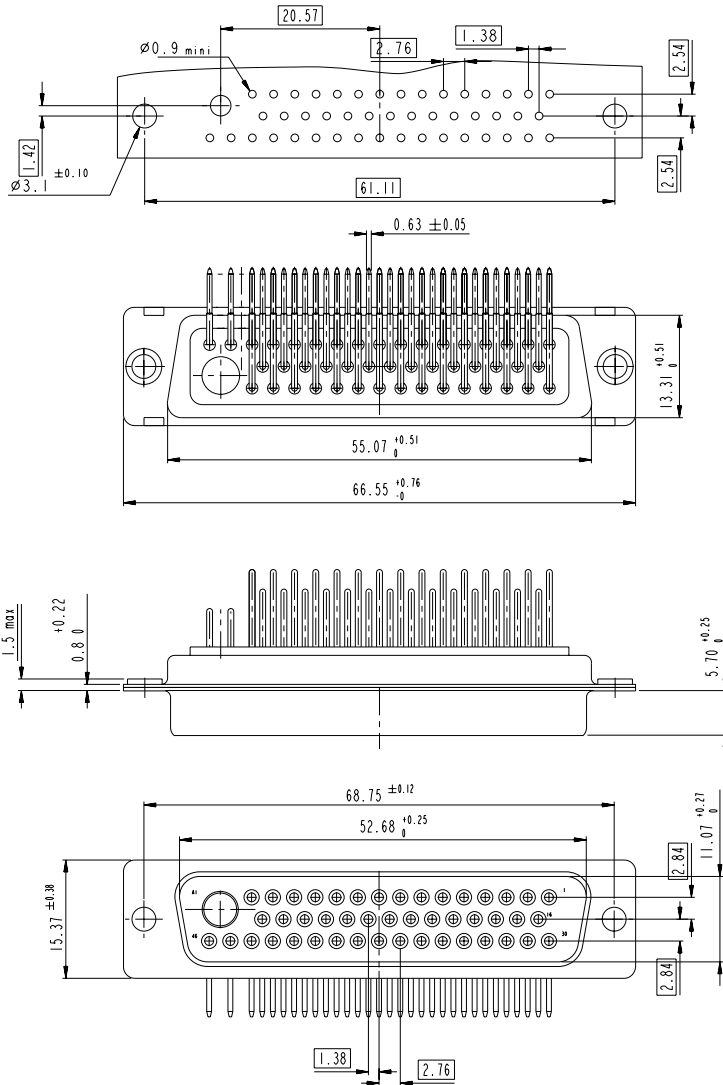


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www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	M. PESSON	2006/11/14	ANGULAR	0.X	± 0.3		size	A2
Eng	M. PESSON	2006/11/14	LINEAR	0.XX	± 0.1		Scale	2:1
Chr	P. LEGARE	2006/11/14	\varnothing	0.XXX	± 0.05		ECN	LS06-0174
Appr	P. LEGARE	2006/11/14	Product family				Spec ref	
		SUB MALE DMW EUROPE foot print			ang no		C01-8637-1750	
		mixed power right angled solder			Rev.		A	
catalog no		CUSTOMER			sheet 7 of 9			

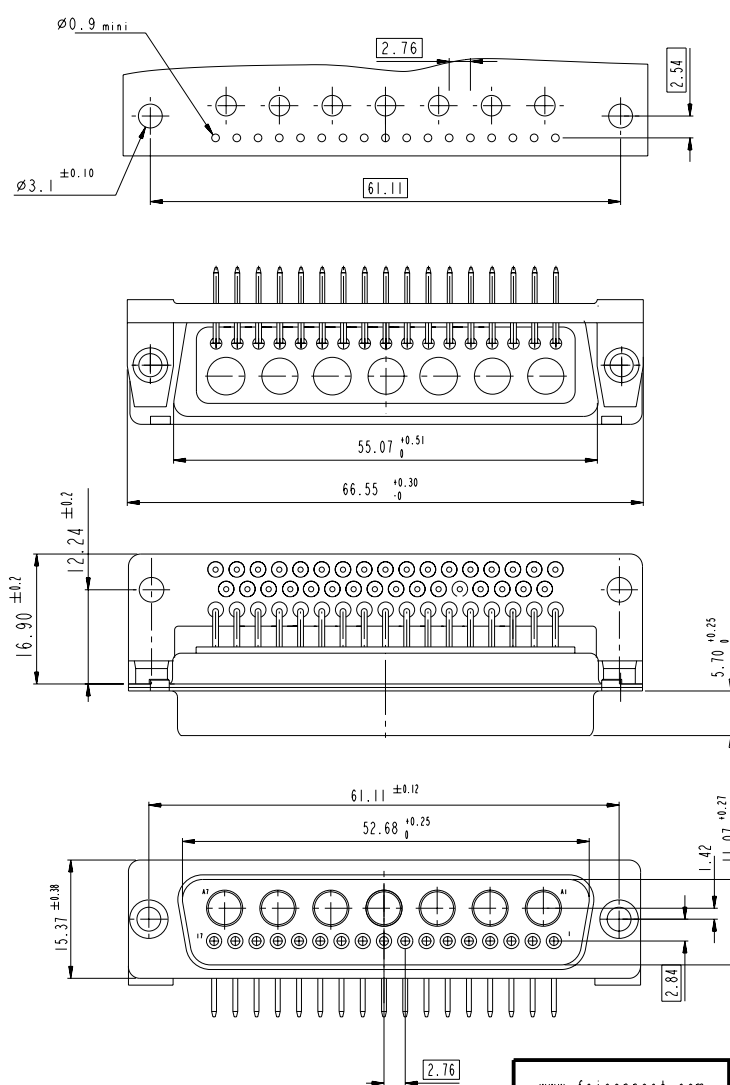
47W1

LAYOUT AND CONNECTOR DIMENSIONS



24W7

LAYOUT AND CONNECTOR DIMENSIONS

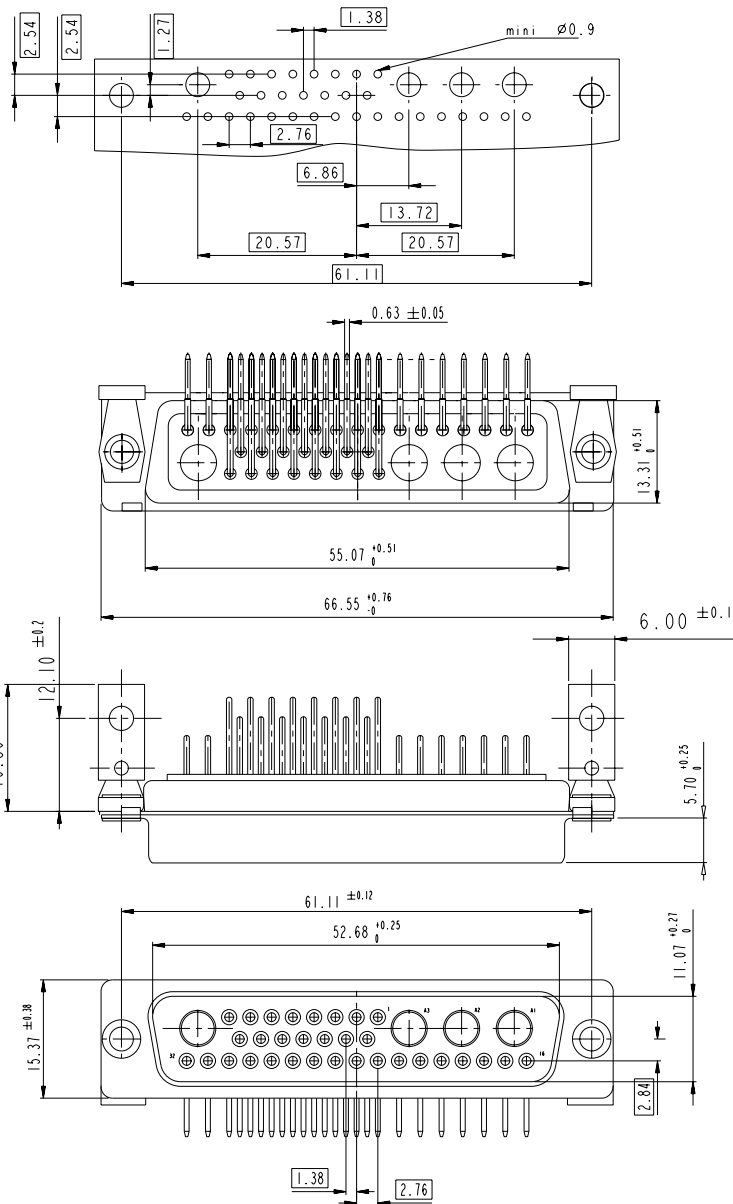


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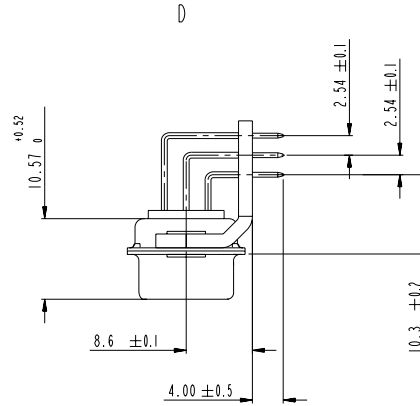
www.fciconnect.com		surface -	tolerance std	projection	mm
		ISO 1302	ISO 406 ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr M. PESSON	2006/11/14	ANGULAR	0.X ±0.3	size	Scale
Eng M. PESSON	2006/11/14	LINEAR	0.XX ±0.1	A2	2:1
Chr P. LEGARE	2006/11/14	0° ±2°	0.XXX ±0.05	ECN	LS06-0174
Appr P. LEGARE	2006/11/14	Product family		Spec ref	
		SUB MALE DMW EUROPE foot print		ang no	Rev.
		mixed power right angled solder		C01-8637-1750	A
catalog no		CUSTOMER		sheet 8 of 9	

36W4

LAYOUT AND CONNECTOR DIMENSIONS



SIDE VIEW FOR ALL LAYOUTS



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www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr M. PESSON	2006/11/14	ANGULAR	0.X ± 0.3	size A2
Eng M. PESSON	2006/11/14	LINEAR	0.XX ± 0.1	Scale 2:1
Chr P. LEGARE	2006/11/14	0° ± 2'	0.XXX ± 0.05	ECN LS06-0174
Appr P. LEGARE	2006/11/14	Product family	-	Spec ref
SUB MALE 0MM EUROPE foot print		title	ang no	Rev.
mixed power right angled solder			C01-8637-1750	A
catalog no		CUSTOMER		sheet 9 of 9

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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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JONHON

«**JONHON**» (основан в 1970 г.)

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Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А