

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC UL94V0
- CONTACT MATERIAL: BRASS
GOLD OVER NICKEL
- ACCESSORIES: STAINLESS STEEL or BRASS
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
- CLIMATIC CATEGORY: 55/125/21
TEMPERATURE RANGE -55°C TO +125°C
DAMP HEAT STEADY STATE 56 DAYS
SALT SPRAY 48 HOURS

DBML13W3P300N

Series ←

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

M :characteristic
for the DM series

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

F :floating mounting

S :spacer

Layout of contacts (see sheet 3) ←

Contacts ←

P :Pin

Termination type ←

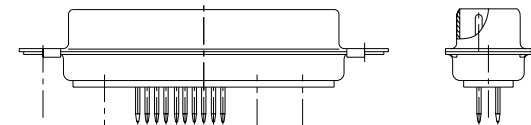
3 Straight version

Plating ←

00 straight solder 500 matings/unmatings

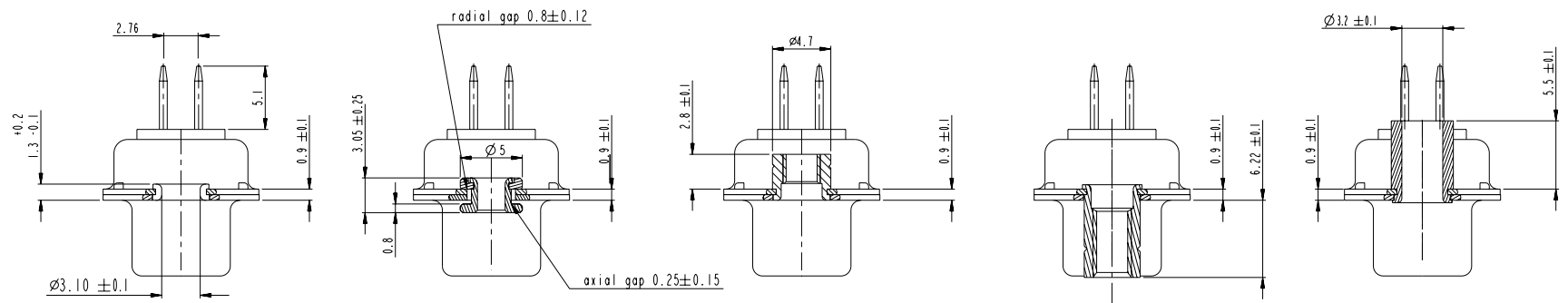
43 straight solder 500 matings/unmatings for harsh environment

N :obligatory indication for HE 507 series ←



I3W3 FOR EXAMPLE

www.fciconnect.com				surface	tolerance std	projection	mm	
				ISO 1302	ISO 406 ISO 1101	⊕	←	
				TOLERANCES UNLESS OTHERWISE SPECIFIED				
rev	acc no	dr	date	Dr	M PESSON	2006/11/15	ANGULAR	LINEAR
A	LS06-0174	MPE	2006/11/15	Eng	P LEGARE	2006/11/15	0.X	±0.3
B	LS07-0273	MPE	2007/10/30	Chr	P LEGARE	2006/11/15	0.xx	±0.1
-	-	-	-	Appr	P LEGARE	2006/11/15	0.xxx	±0.05
				Product family		size		Scale
				FCI		A2		2:1
				SUB MALE DMW		ECN		LS07-0273
				mixed power straight solder		- Spec ref		
				catalog no		C01-8637-1752		Rev. B
						CUSTOMER		sheet 1 of 7



FRONT ACCESSORY **Blank** without **F** floating mounting **L** insert M3 **O** insert UNC 4.40 **V** femelle screw UNC 4.40 **S** Spacer

shell size LAYOUTS

PART NUMBER	FRONT ACCESSORY
D*MxWxP300N	without
D*MFxWxP300N	floating mounting
D*MLxWxP300N	insert M3
D*MOxWxP300N	insert UNC 4.40
D*MVxWxP300N	female screw UNC 4.40
D*MSxWxP300N	Spacer
D*MxWxP343N	without
D*MFxWxP343N	floating mounting
D*MLxWxP343N	insert M3
D*MOxWxP343N	insert UNC 4.40
D*MVxWxP343N	female screw UNC 4.40
D*MSxWxP343N	Spacer

- # xWx
- 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

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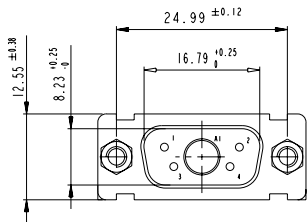
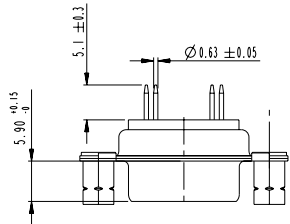
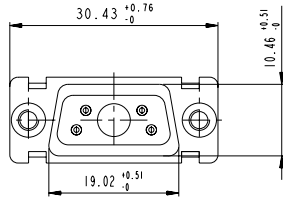
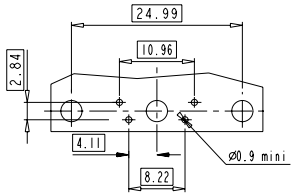
www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr M PESSON	2006/11/15	ANGULAR	0.X ±0.3	size A2 Scale 2:1
Eng P LEGARE	2006/11/15	LINEAR	0.XX ±0.1	
Chr P LEGARE	2006/11/15	0° ±2°	0.XXX ±0.05	ECN LS07-0273
Appr P LEGARE	2006/11/15	Product family	-	Spec ref

SCALE: 4

FCJ	SUB MALE DMW	dwg no	C01-8637-1752	Rev.	B
	mixed power straight solder	catalog no	CUSTOMER	sheet 2 of 7	

5W1

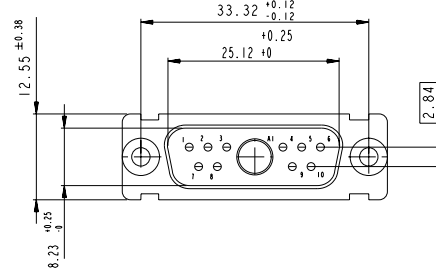
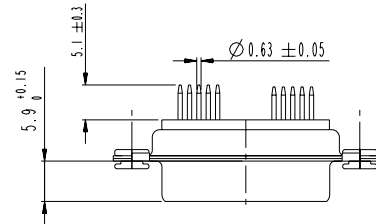
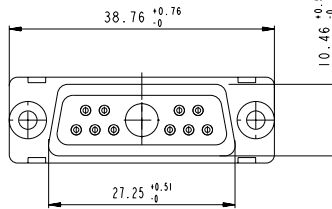
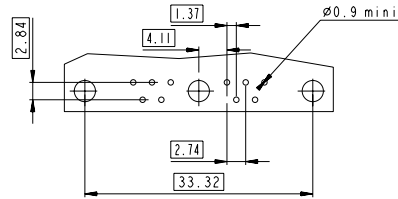
LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

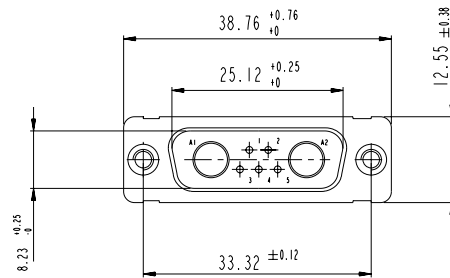
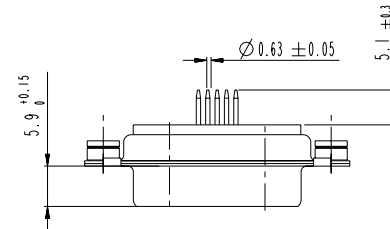
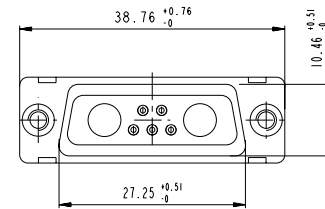
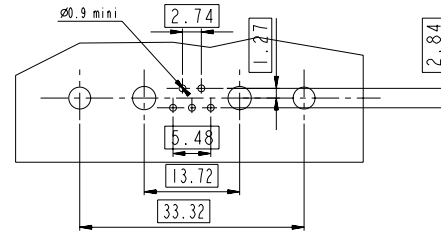
11W1

LAYOUT AND CONNECTOR DIMENSIONS

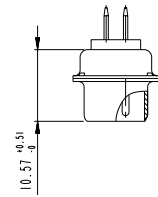


7W2

LAYOUT AND CONNECTOR DIMENSIONS

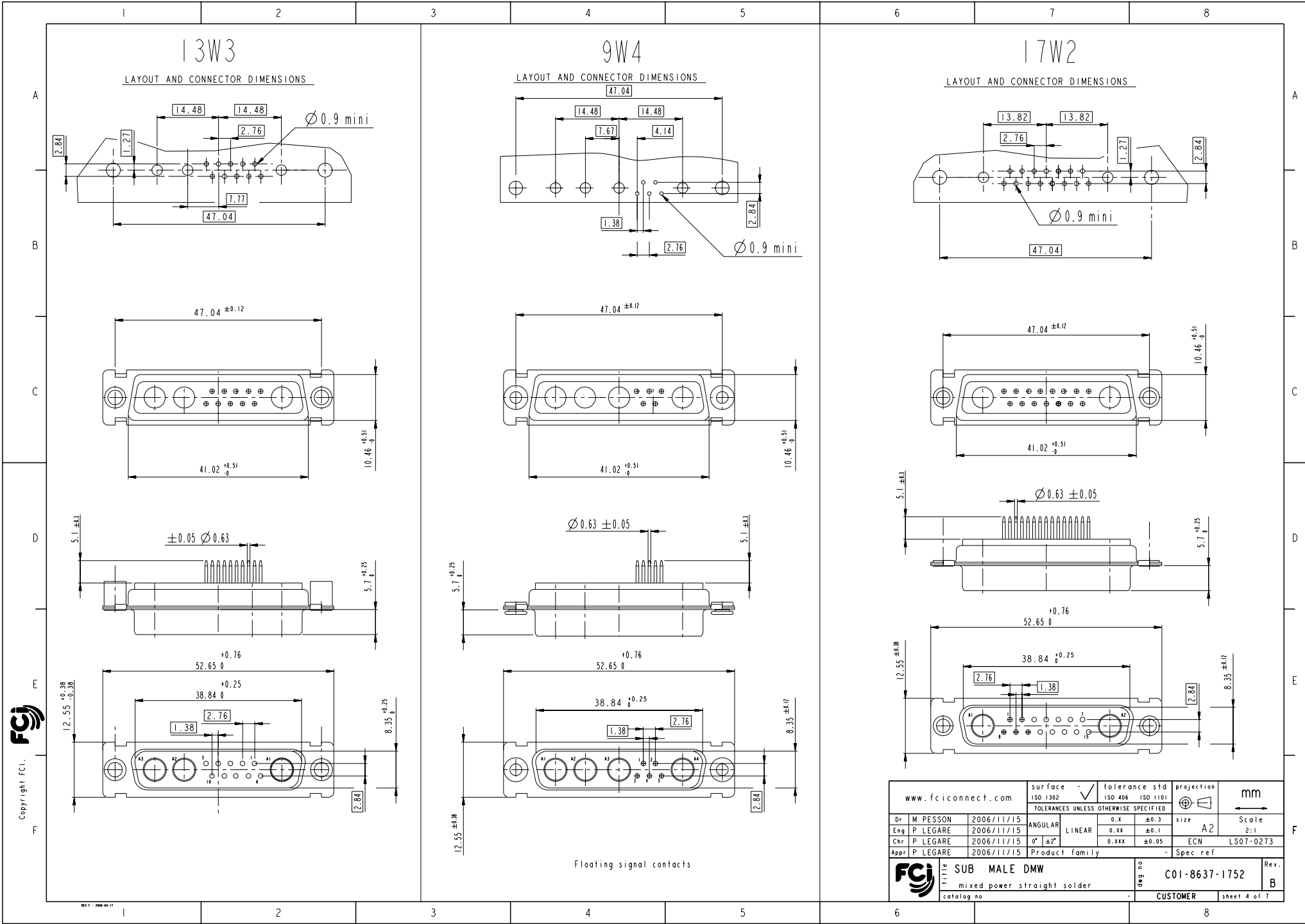


SIDE VIEW FOR LAYOUTS: E A B C



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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	2006/11/15	ANGULAR	0.X ±0.3	size A2 Scale 2:1
Eng P LEGARE	2006/11/15	LINEAR	0.XX ±0.1	ECN LS07-0273
Chr P LEGARE	2006/11/15	0° ±2°	0.XXX ±0.05	Spec ref
Appr P LEGARE	2006/11/15	Product family		
TITLE SUB MALE DMW mixed power straight solder catalog no		dwg no C01-8637-1752 Rev. B	CUSTOMER sheet 3 of 7	



13W3

LAYOUT AND CONNECTOR DIMENSIONS

9W4

LAYOUT AND CONNECTOR DIMENSIONS

17W2

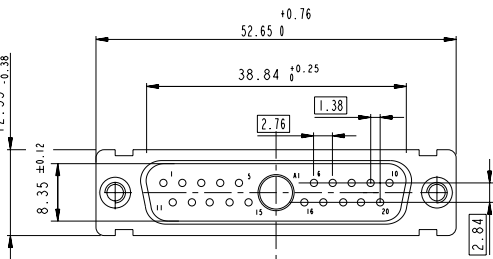
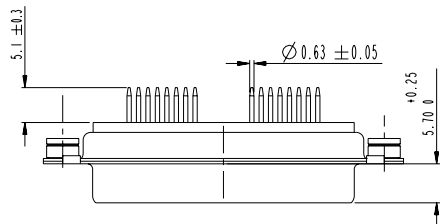
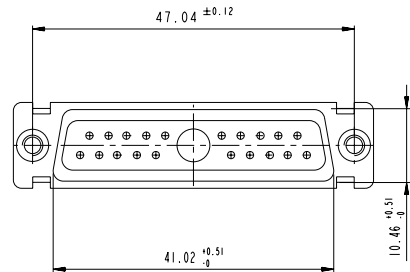
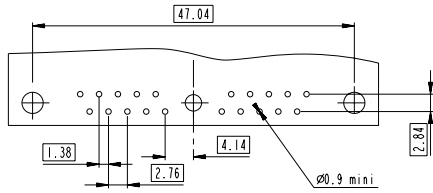
LAYOUT AND CONNECTOR DIMENSIONS

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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	2006/11/15	ANGULAR	0.X ±0.3	size A2 Scale 2:1
Eng P LEGARE	2006/11/15	LINEAR	0.XX ±0.1	ECN LS07-0273
Chr P LEGARE	2006/11/15	0° ±2°	0.XXX ±0.05	
Appr P LEGARE	2006/11/15	Product family		Spec ref
		SUB MALE DMW		Rev. B
mixed power straight solder		C01-8637-1752		
catalog no		CUSTOMER		sheet 4 of 7

21W1

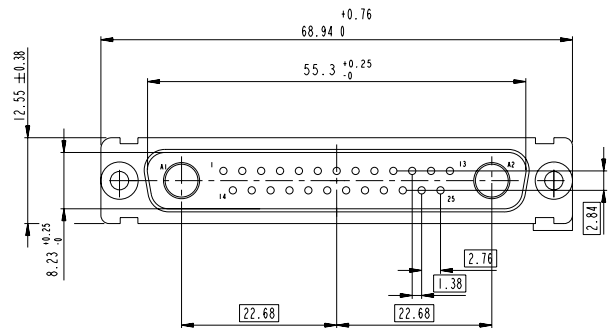
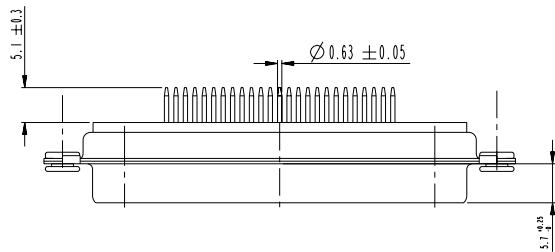
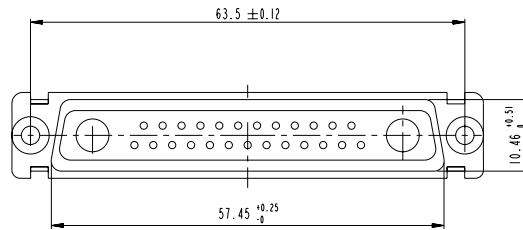
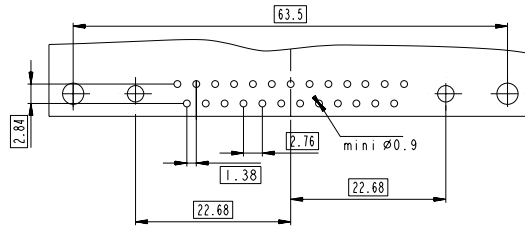
LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

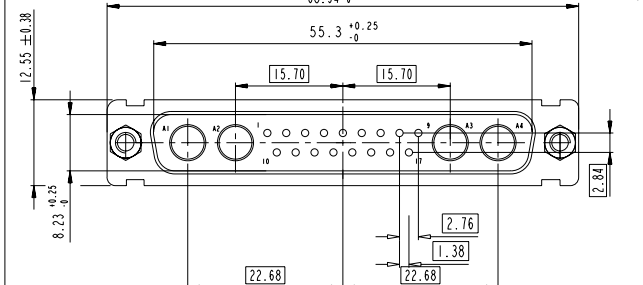
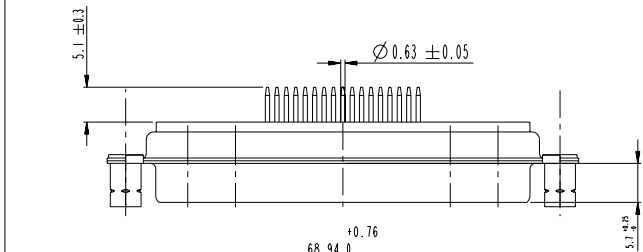
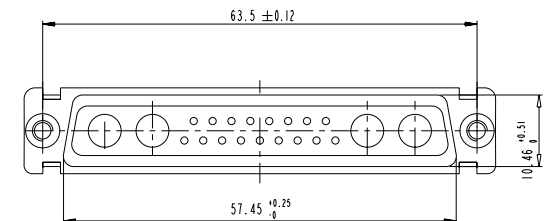
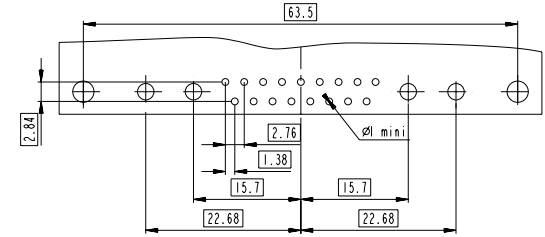
27W2

LAYOUT AND CONNECTOR DIMENSIONS



21WA4

LAYOUT AND CONNECTOR DIMENSIONS

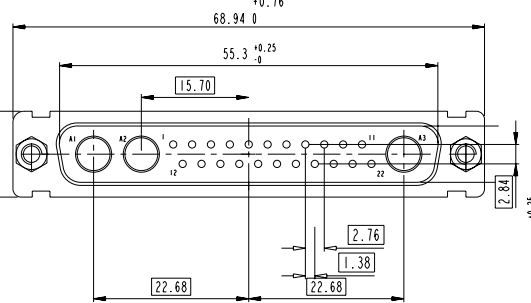
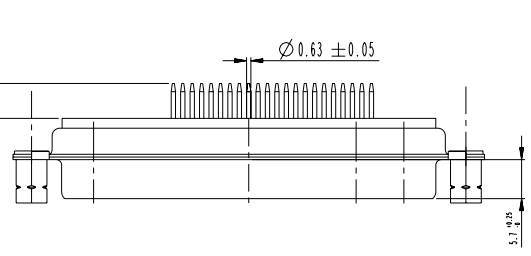
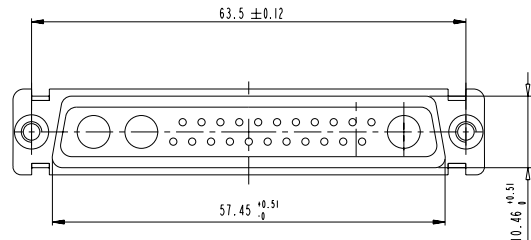
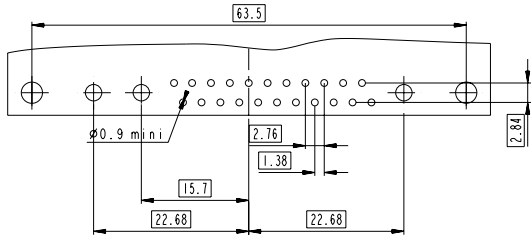


www.fciconnect.com		surface -	tolerance std	projection	mm
		ISO 1302	ISO 406 ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2006/11/15	ANGULAR	0.X ±0.3	size A2 Scale 2:1
Eng	P LEGARE	2006/11/15	LINEAR	0.XX ±0.1	ECN LS07-0273
Chr	P LEGARE	2006/11/15	0° ±2°	0.XXX ±0.05	Product family
Appr	P LEGARE	2006/11/15			Spec ref
		SUB MALE DMW		ang no	Rev.
		mixed power straight solder		C01-8637-1752	B
		catalog no		CUSTOMER	sheet 5 of 7

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25W3

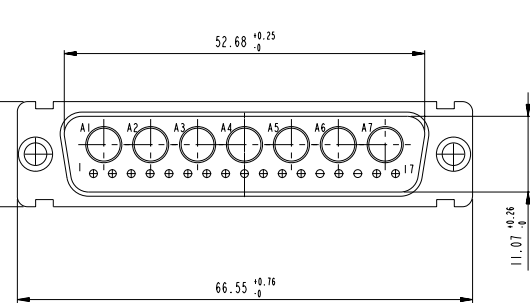
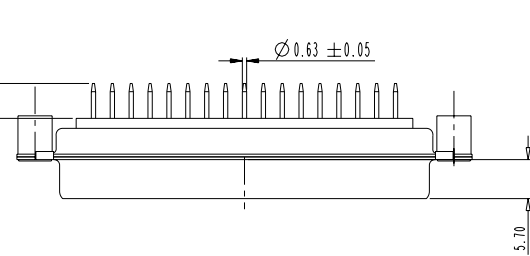
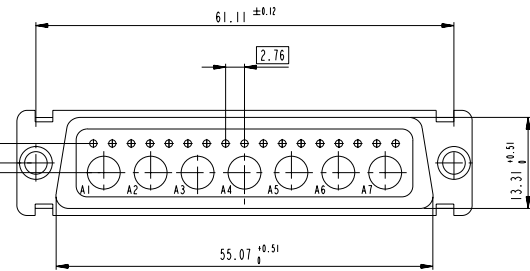
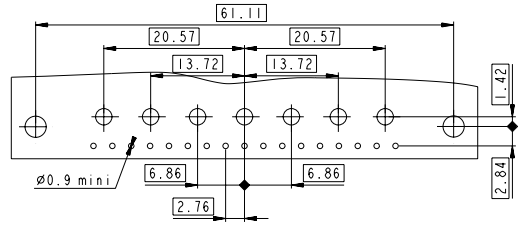
LAYOUT AND CONNECTOR DIMENSIONS



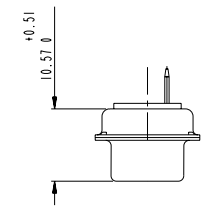
Floating signal contacts

24W7

LAYOUT AND CONNECTOR DIMENSIONS

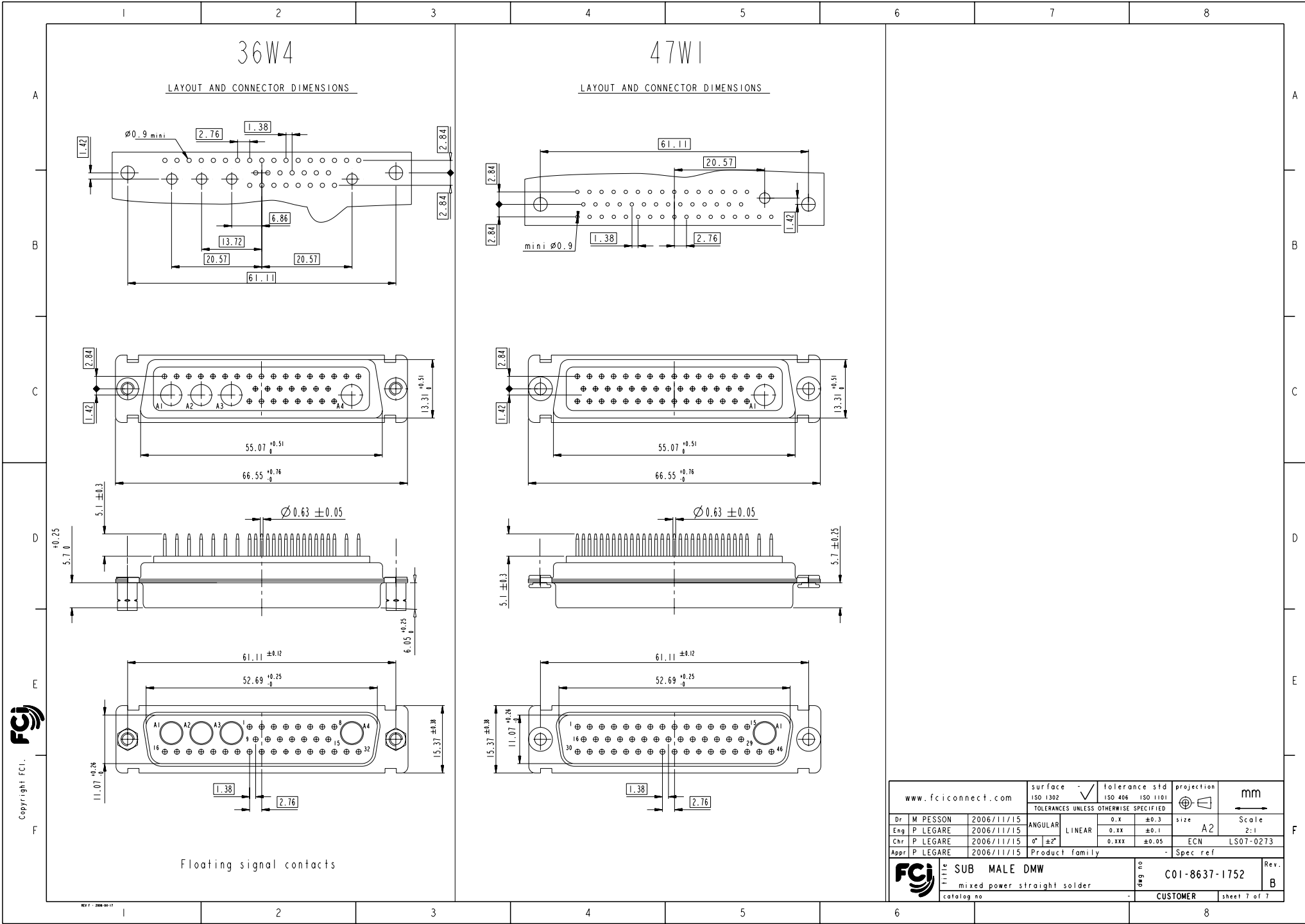


SIDE VIEW FOR LAYOUT: D



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www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
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Eng	P LEGARE	2006/11/15	0.xx	±0.3
Chr	P LEGARE	2006/11/15	0.xxx	±0.1
Appr	P LEGARE	2006/11/15	0.xxx	±0.05
Product family		- Spec ref		
FCI		SUB MALE DMW		Rev. B
mixed power straight solder		C01-8637-1752		
catalog no		CUSTOMER		sheet 6 of 7

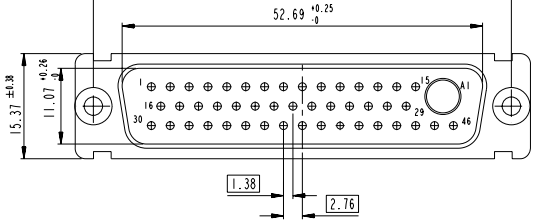
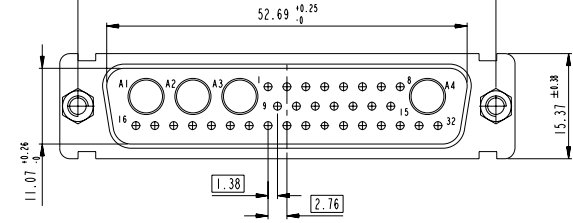
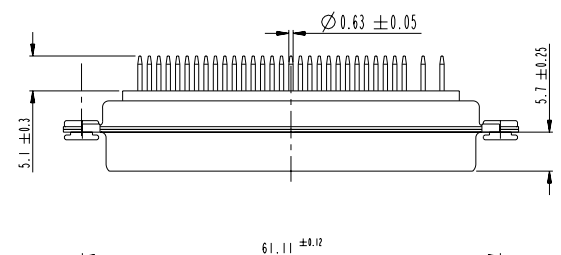
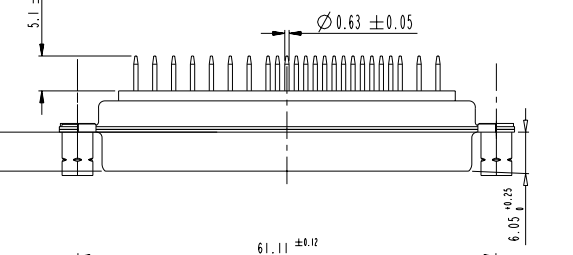
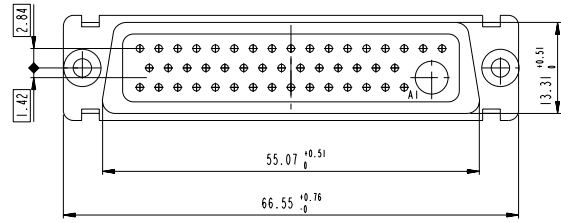
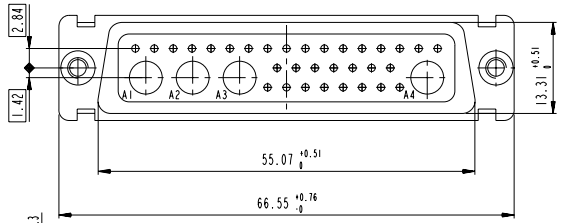
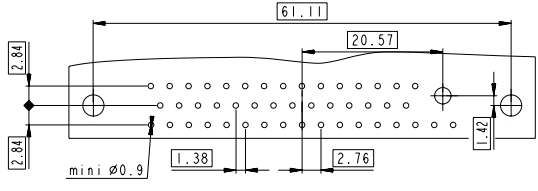
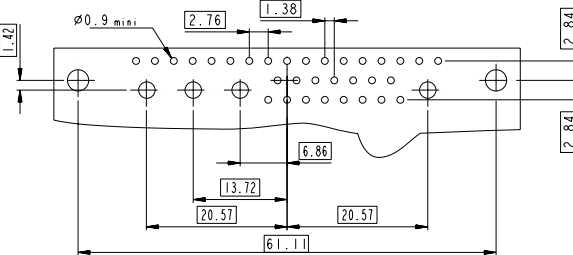


36W4

LAYOUT AND CONNECTOR DIMENSIONS

47W1

LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr M PESSON	2006/11/15	ANGULAR	0.X ±0.3	size A2
Eng P LEGARE	2006/11/15	LINEAR	0.XX ±0.1	Scale 2:1
Chr P LEGARE	2006/11/15	Ø ±2°	0.XXX ±0.05	ECN LS07-0273
Appr P LEGARE	2006/11/15	Product family	-	Spec ref
FCI SUB MALE DMW		catalog no	C01-8637-1752	Rev. B
mixed power straight solder		CUSTOMER		sheet 7 of 7

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