

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC UL94V0
- CONTACT MATERIAL: PHOSPHOR BRONZE(SIGNAL CONTACT)
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

DBML13W3S300N

Series ←

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

M :characteristic
for the DM series

Front accessory definition
see sheet 2

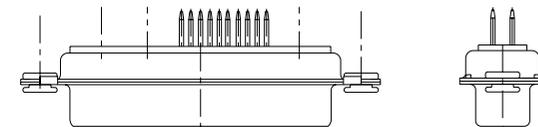
- Blank** :without accessory
- L** :threaded insert M3
- O** :threaded insert UNC 4-40
- V** :female screw UNC 4-40
- F** :floating mounting
- S** :spacer

Layout of contacts (see sheet 3) ←

Contacts ←
S :Socket

Termination type ←
3 Straight version

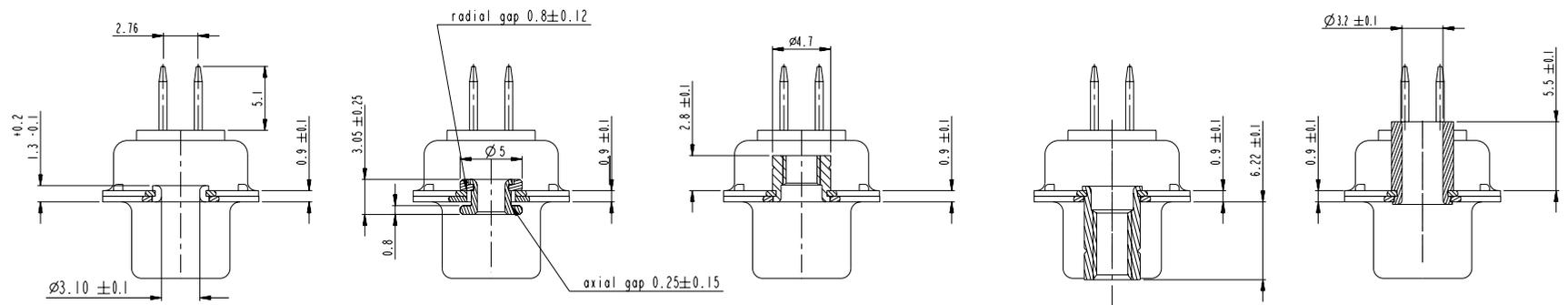
- Plating ←
- 00** straight solder 500 matings/unmatings
 - 43** straight solder 500 matings/unmatings for harsh environment
 - N** :obligatory indication for HE 507 series ←



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	0.X	±0.3	size	A2	Scale	2:1
A	LS06-0174	MPE	2006/11/15	Eng	P	LEGARE	2006/11/15	0°	±2°	0.xx	±0.1	ECN	LS07-0273		
B	LS07-0273	MPE	2007/10/30	Chr	P	LEGARE	2006/11/15	Product family		0.xxx	±0.05	Spec ref			
				Appr	P	LEGARE	2006/11/15								
				FCI SUB FEMALE DMW				deg no	C01-8637-1751		Rev.		B		
				mixed power straight solder				catalog no	CUSTOMER		sheet 1 of 7				

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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*MxWxS300N	without
D*MFxWxS300N	floating mounting
D*MLxWxS300N	insert M3
D*MOxWxS300N	insert UNC 4.40
D*MVxWxS300N	female screw UNC 4.40
D*MSxWxS300N	Spacer
D*MxWxS343N	without
D*MFxWxS343N	floating mounting
D*MLxWxS343N	insert M3
D*MOxWxS343N	insert UNC 4.40
D*MVxWxS343N	female screw UNC 4.40
D*MSxWxS343N	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

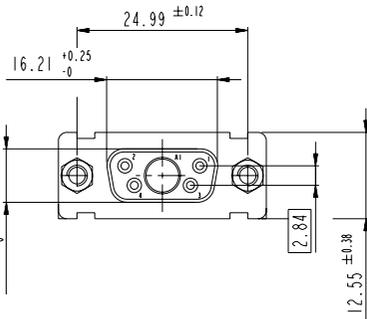
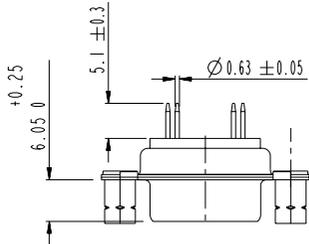
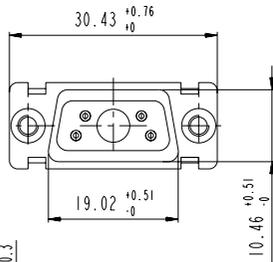
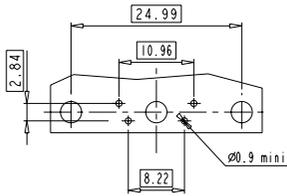
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www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		
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Eng	P LEGARE	2006/11/15	LINEAR	0.XX ±0.1
Chr	P LEGARE	2006/11/15	0° ±2°	0.XXX ±0.05
Appr	P LEGARE	2006/11/15	Product family	- Spec ref
FCJ		SUB FEMALE DMW		Rev. B
		mixed power straight solder		ang no C01-8637-1751
		catalog no		CUSTOMER sheet 2 of 7

SCALE: 4

5W1

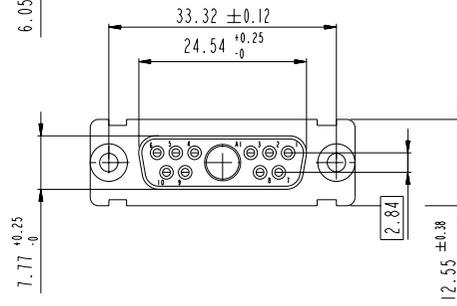
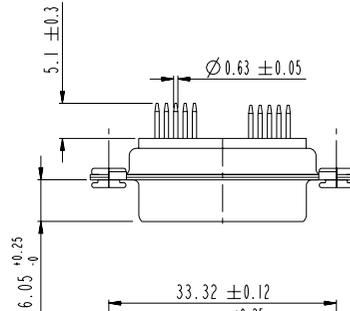
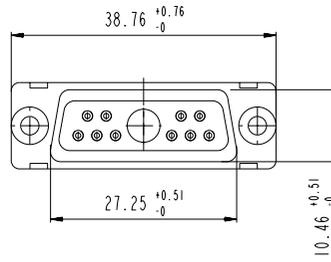
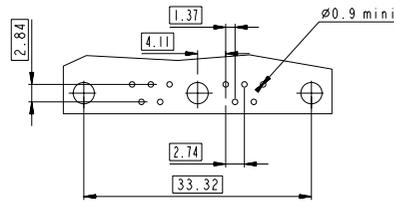
LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

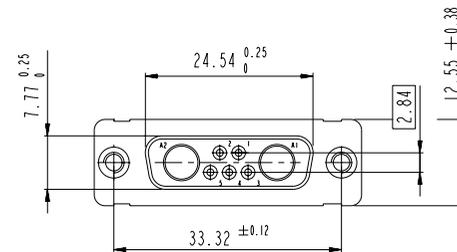
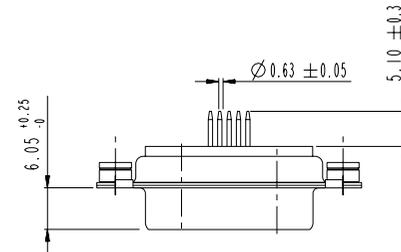
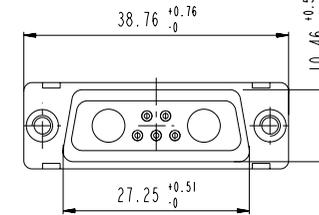
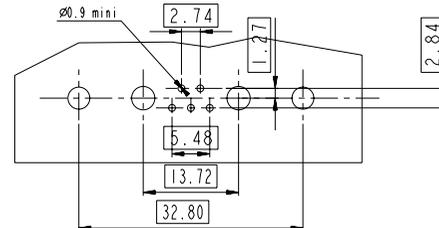
11W1

LAYOUT AND CONNECTOR DIMENSIONS

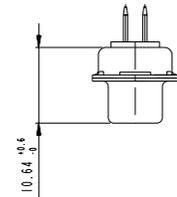


7W2

LAYOUT AND CONNECTOR DIMENSIONS

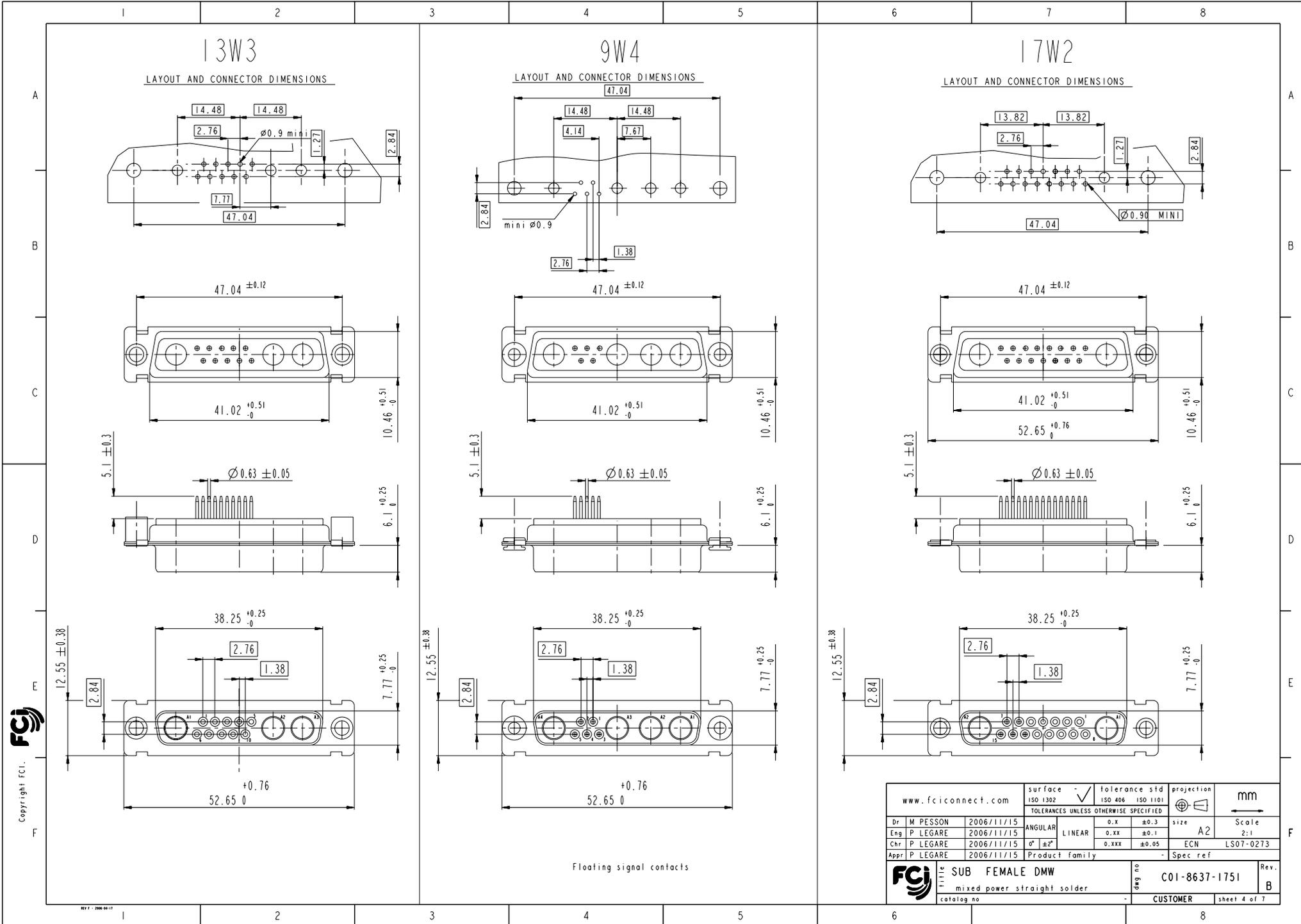


SIDE VIEW FOR LAYOUTS: E A B C



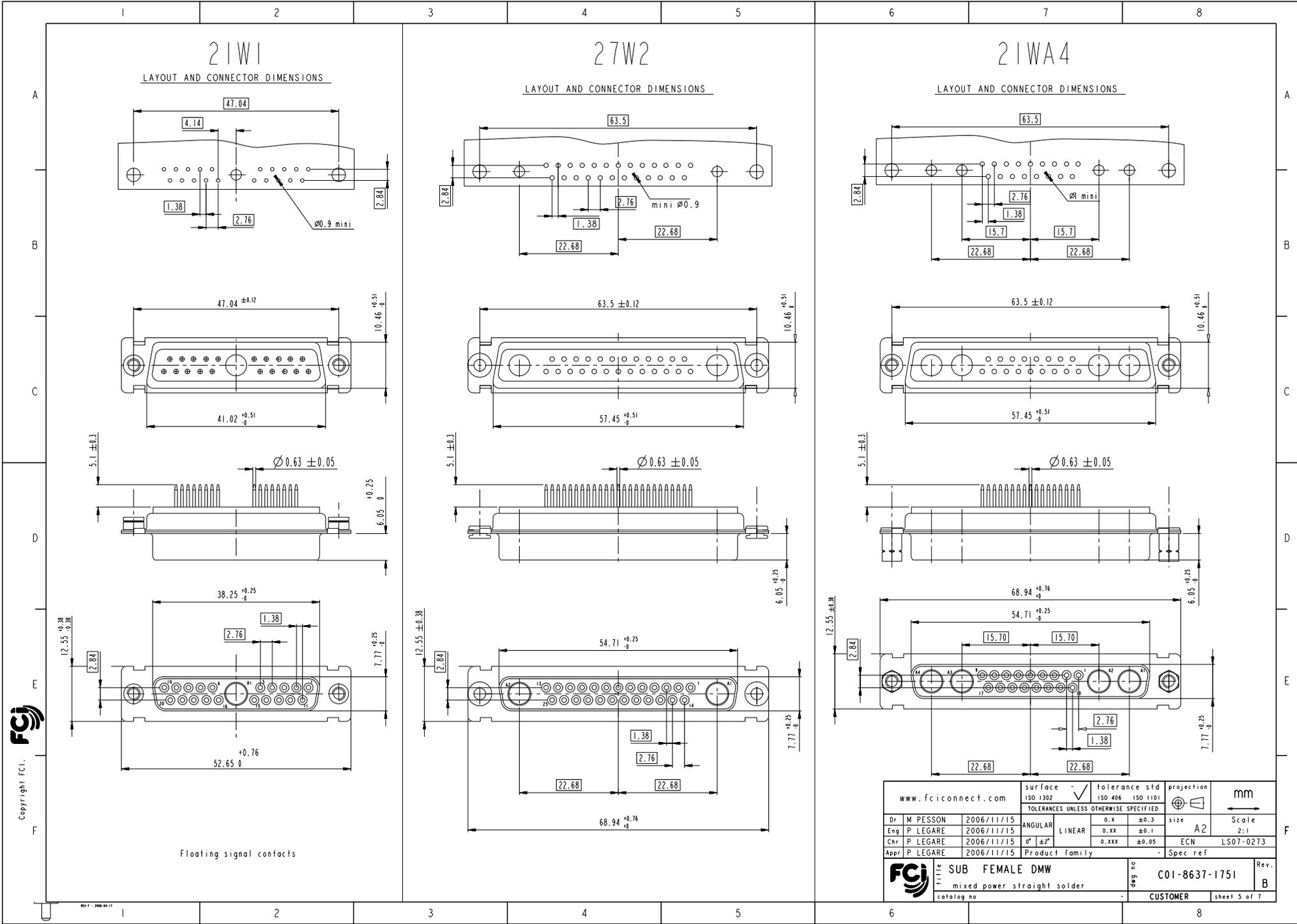
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Dr	M PESSON	2006/11/15	ANGULAR	0.X ±0.3	size A2 Scale 2:1
Eng	P LEGARE	2006/11/15	LINEAR	0.XX ±0.1	ECN LS07-0273
Chr	P LEGARE	2006/11/15	0° ±2°	0.XXX ±0.05	Spec ref
Appr	P LEGARE	2006/11/15	Product family		
		SUB FEMALE DMW		ang no	C01-8637-1751
		mixed power straight solder		Rev.	B
		catalog no		CUSTOMER	sheet 3 of 7



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		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	0° ±2°	0.XXX ±0.05	ECN LS07-0273
Appr P LEGARE	2006/11/15	Product family		Spec ref
TITLE SUB FEMALE DMW mixed power straight solder catalog no		ang no C01-8637-1751	Rev. B	sheet 4 of 7



21W1

LAYOUT AND CONNECTOR DIMENSIONS

27W2

LAYOUT AND CONNECTOR DIMENSIONS

21WA4

LAYOUT AND CONNECTOR DIMENSIONS

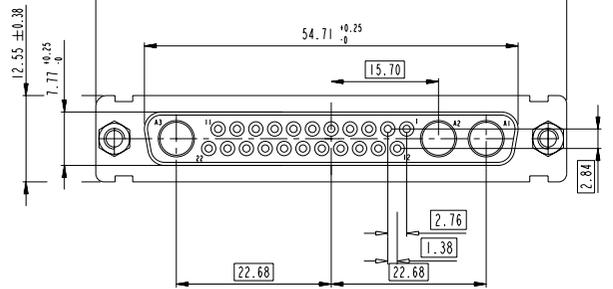
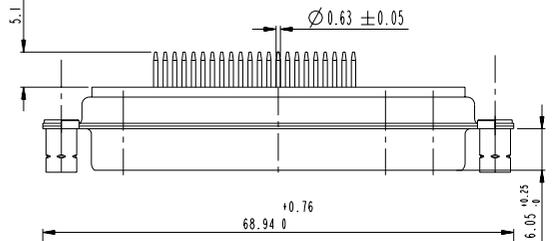
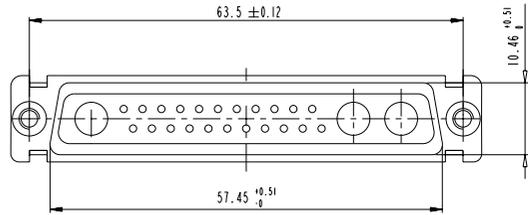
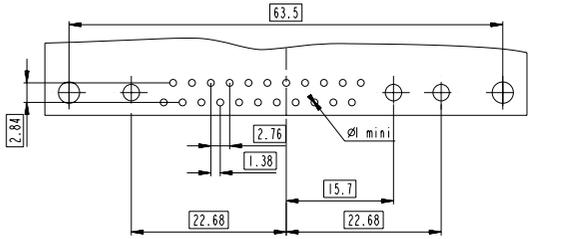
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Floating signal contacts

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		TOLERANCES UNLESS OTHERWISE SPECIFIED		
Dr	M PESSON	2006/11/15	ANGULAR	size A2
Eng	P LEGARE	2006/11/15	LINEAR	Scale 2:1
Chr	P LEGARE	2006/11/15	0° ±2°	ECN LS07-0273
Appr	P LEGARE	2006/11/15	Product family	Spec ref
SUB FEMALE DMW mixed power straight solder catalog no			title sub title description drawing no customer	Rev. B C01-8637-1751 sheet 5 of 7

25W3

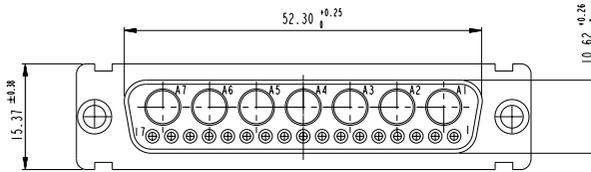
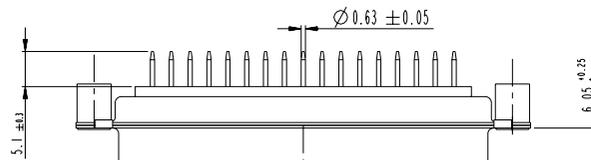
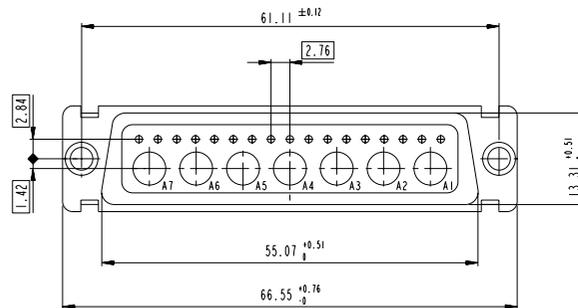
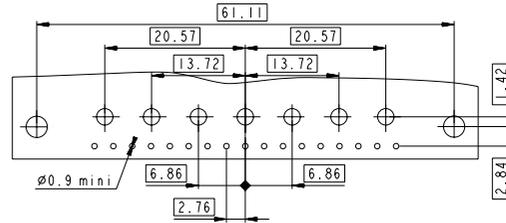
LAYOUT AND CONNECTOR DIMENSIONS



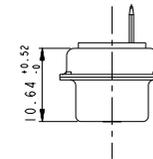
Floating signal contacts

24W7

LAYOUT AND CONNECTOR DIMENSIONS



SIDE VIEW FOR LAYOUTS: D

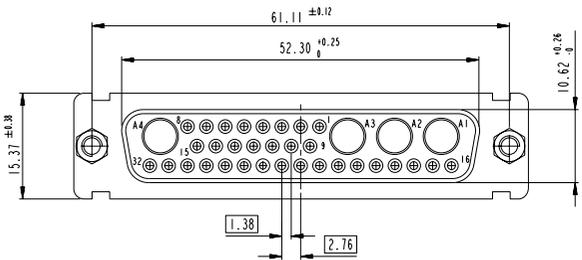
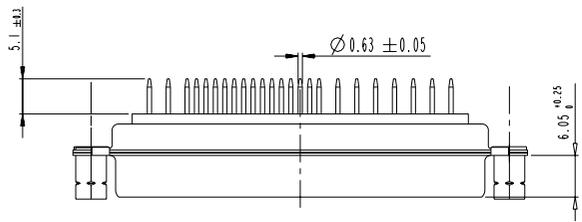
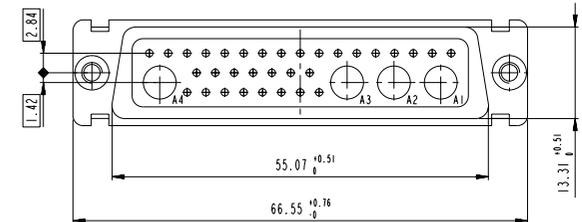
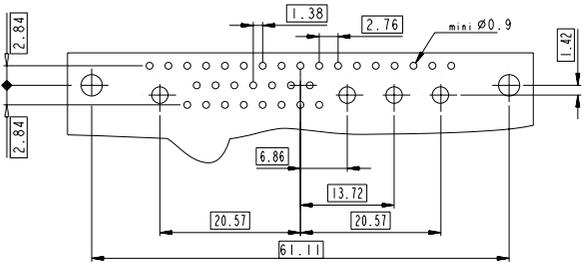


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Chr	P LEGARE	2006/11/15	0° ±2°	0.XXX ±0.05	Spec ref
Appr	P LEGARE	2006/11/15	Product family		
SUB FEMALE DMW mixed power straight solder catalog no		ang no	C01-8637-1751		Rev. B
				CUSTOMER	sheet 6 of 7

36W4

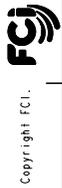
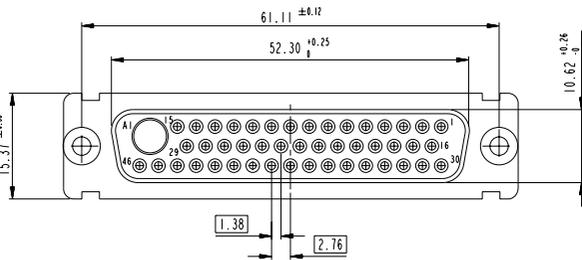
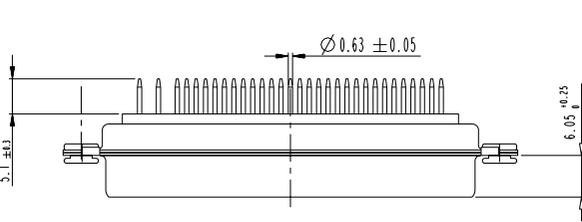
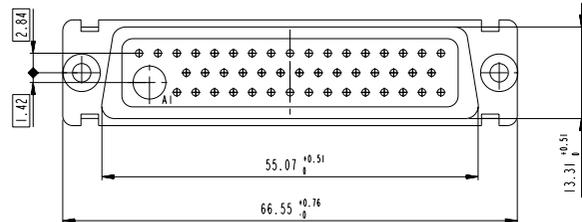
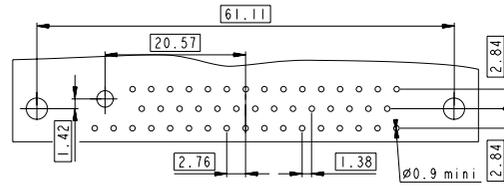
LAYOUT AND CONNECTOR DIMENSIONS



Floating signal contacts

47W1

LAYOUT AND CONNECTOR DIMENSIONS



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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		
SUB FEMALE DMW mixed power straight solder catalog no		title C01-8637-1751 rev. B	CUSTOMER sheet 7 of 7	

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