

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

-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

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m minimum
- Female screw : 0.5 N.m minimum

Series

DBML13W3S043N

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

O :threaded insert M3

L :threaded insert UNC 4-40

V :female screw UNC 4-40

F :floating mounting

Layout of contacts

Contacts

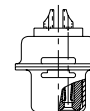
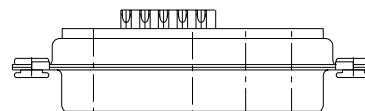
S :Socket

Plating

Blank solder bucket 500 matings/unmatings

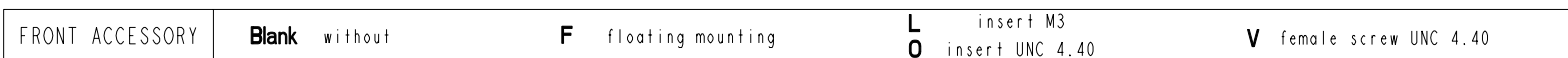
043 solder bucket 500 matings/unmatings for harsh environment

N :obligatory indication for HE 507 series



13W3 FOR EXAMPLE

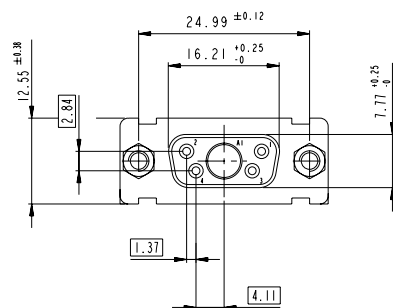
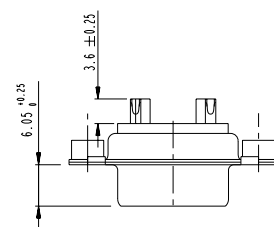
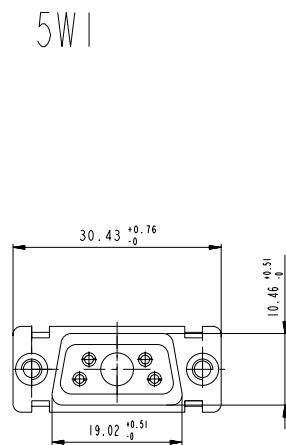
www.fciconnect.com				surface ☒ tolerance std ISO 1302 ISO 406 ISO 1101 TOLERANCES UNLESS OTHERWISE SPECIFIED			projection 		mm 		
Dr M PESSON 2006/11/15				ANGULAR		0.X ±0.3		size A2		Scale 2:1	
Eng P LEGARE 2006/11/15				LINEAR		0.XX ±0.1					
Chr P LEGARE 2006/11/15				0° ±2°		0.XXX ±0.05		ECN		LS07-0309	
Appr P LEGARE 2006/11/15				Product family				- Spec ref			
				SUB FEMALE DMW				deg no		Rev	
				mixed power+solder bucket				C01-8637-1753		C	
				catalog no				CUSTOMER		sheet 1 of 7	



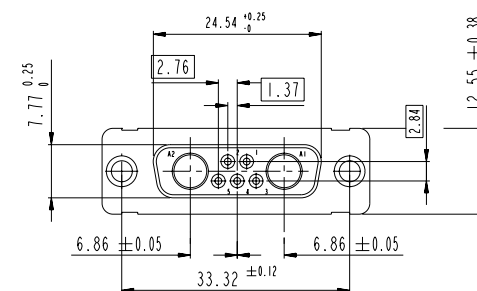
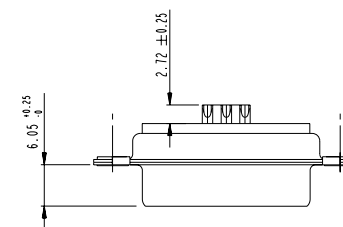
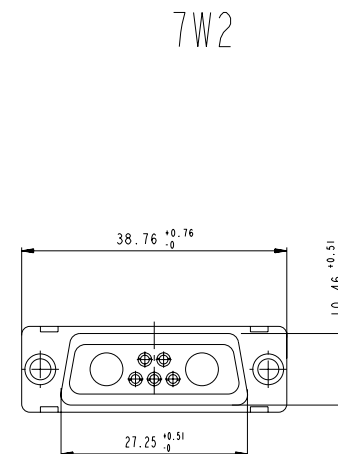
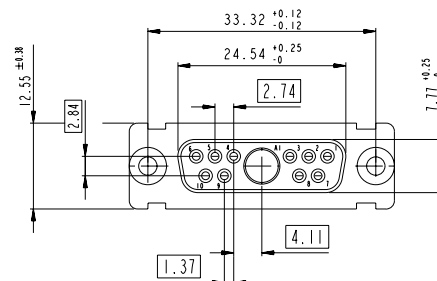
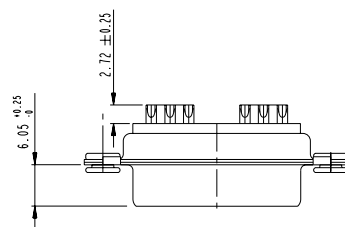
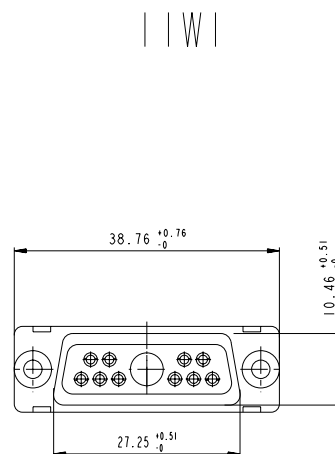
PART NUMBER	FRONT ACCESSORY
D*MxWxSN	without
D*MFxWxSN	Floating mounting
D*MLxWxSN	insert M3
D*MOxWxSN	insert UNC 4.40
D*MVxWxSN	female screw
D*MxWxS043N	without
D*MFxWxS043N	Floating mounting
D*MLxWxS043N	insert M3
D*MOxWxS03N	insert UNC 4.40
D*MVxWxS043N	female screw

*	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

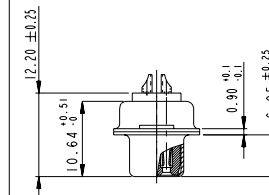
www.fciconnect.com		surface - ☒ tolerance std 150 1302 150 406 150 101		projection 		mm 		
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	M PESSON	2006/11/15	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	P LEGARE	2006/11/15			0.XX	±0.1		
Chr	P LEGARE	2006/11/15	0° ±2°		0.XXX	±0.05	ECN	LS07-0309
Appr	P LEGARE	2006/11/15	Product family			- Spec ref		
		Title SUB FEMALE DMW mixed power+solder bucket			day no	C01-8637-1753		Rev. C
catalog no		-			CUSTOMER		sheet 2 of 7	



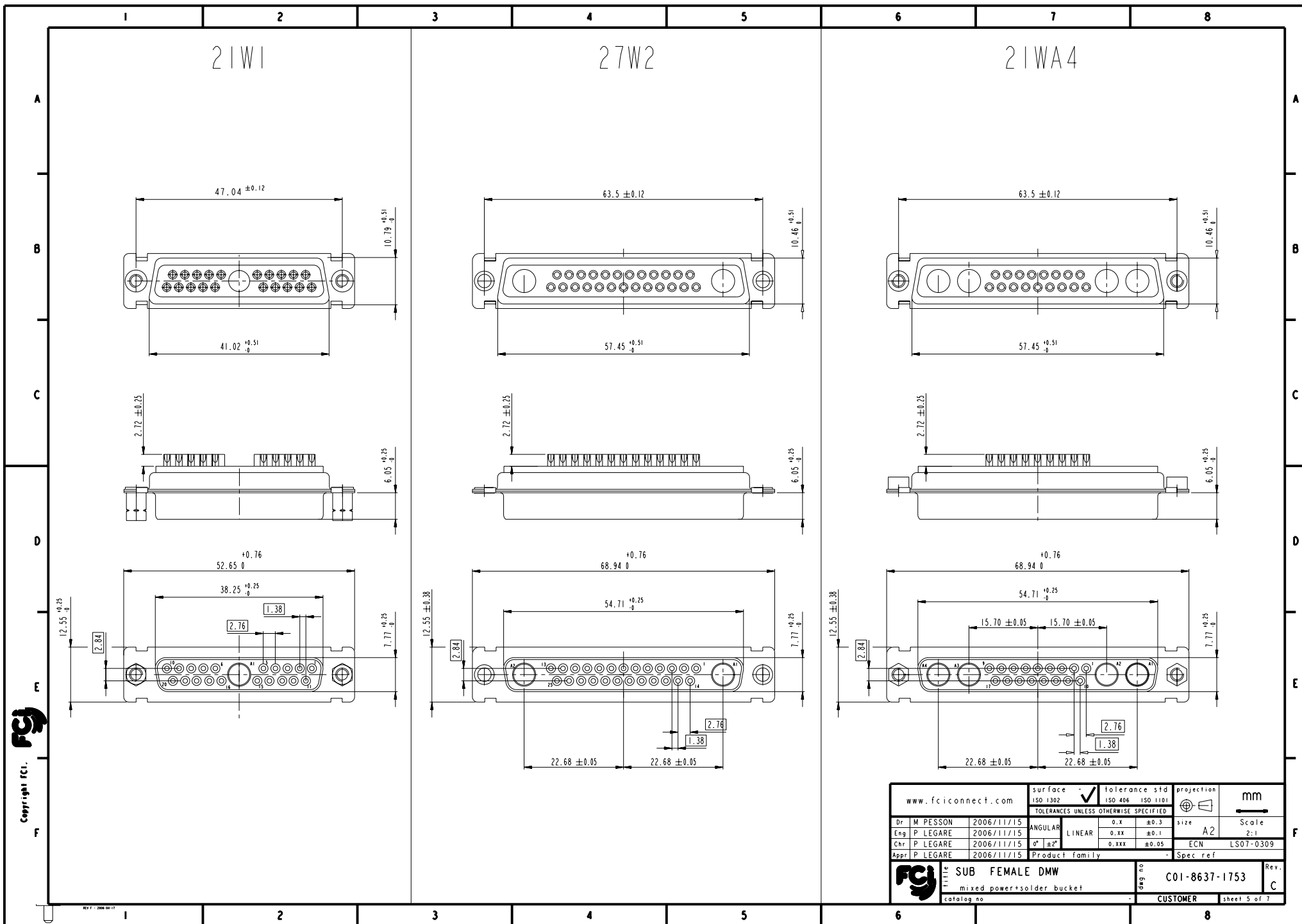
Floating signal contacts



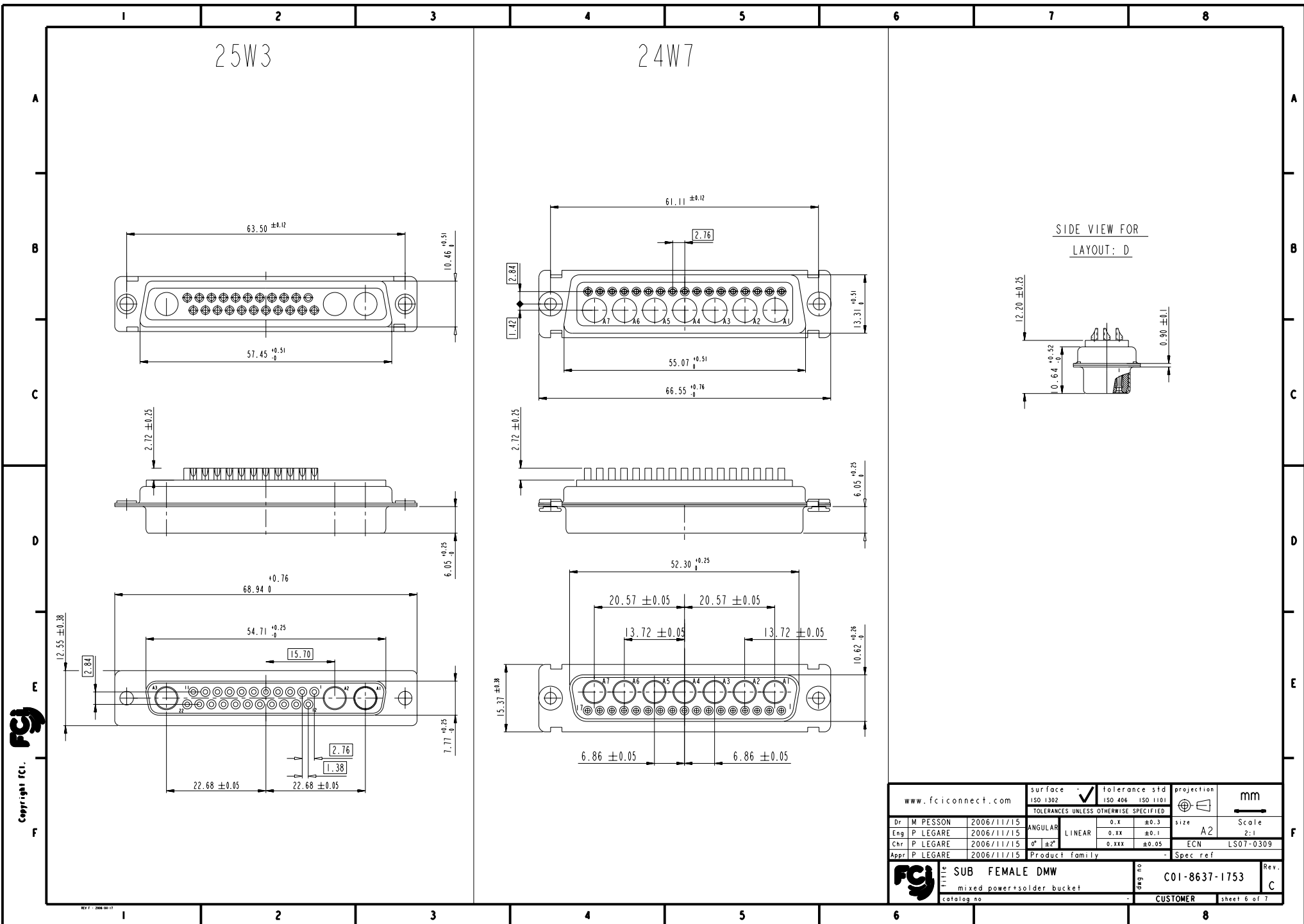
SIDE VIEW FOR
LAYOUTS: E A B C



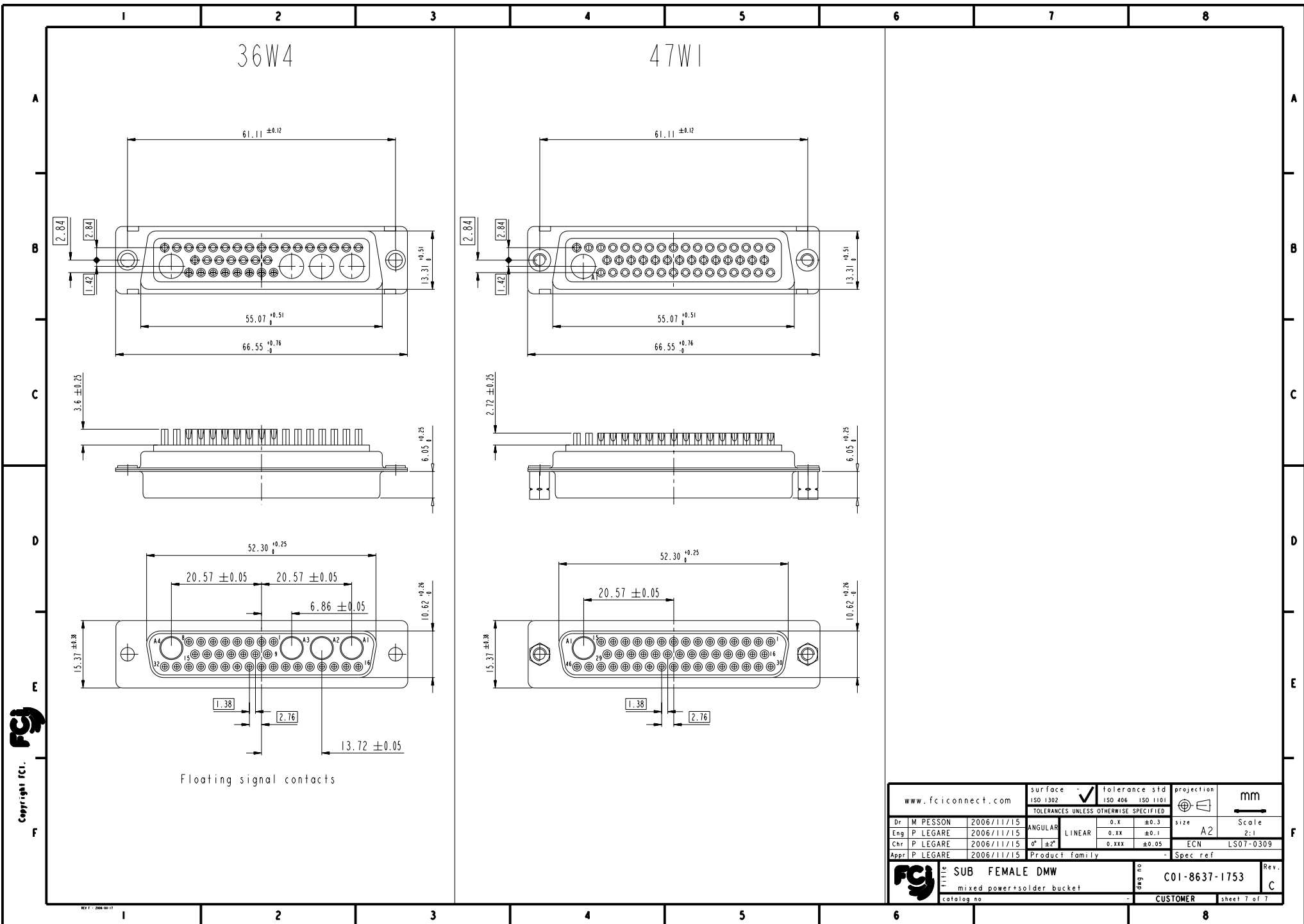
www.fciconnect.com			surface ☒ tolerance std 150 1302 150 406 150 1101		projection 		mm 	
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Chr	P LEGARE	2006/11/15	0° ±2°		0.XXX ±0.05	ECN	LS07-0309	
Appr	P LEGARE	2006/11/15	Product family			- Spec ref		
			title SUB FEMALE DMW mixed power+solder bucket			dag no C01-8637-1753		Rev C
catalog no			CUSTOMER			sheet 3 of 7		



www.fciconnect.com			surface -  tolerance std ISO 1302 ISO 406 (ISO 1101)		projection  mm			
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
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Eng	P LEGARE	2006/11/15			0.XX	±0.1		
Chr	P LEGARE	2006/11/15	0° ±2°		0.XXX	±0.05	ECN	LS07-0309
Appr	P LEGARE	2006/11/15	Product family			Spec ref		
			SUB FEMALE DMW			C01-8637-1753		Rev. C
			mixed power+solder bucket					
catalog no			-			CUSTOMER		sheet 5 of 7



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
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	
SUB FEMALE DMW		mixed power+solder bucket		catlog no	CUSTOMER
Title		SUB FEMALE DMW		Rev.	C
C01-8637-1753		sheet 6 of 7			



www.fciconnect.com			surface - ✓ tolerance std ISO 1302 ISO 406 ISO 1101			projection 		mm	
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mixed power+solder bucket									C
catalog no			CUSTOMER				sheet 7 of 7		