

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

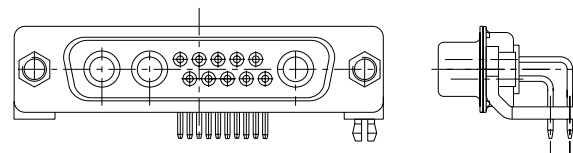
PCB accessories definition(see sheet 2)

blank :Plastic brackets

C :Without brackets

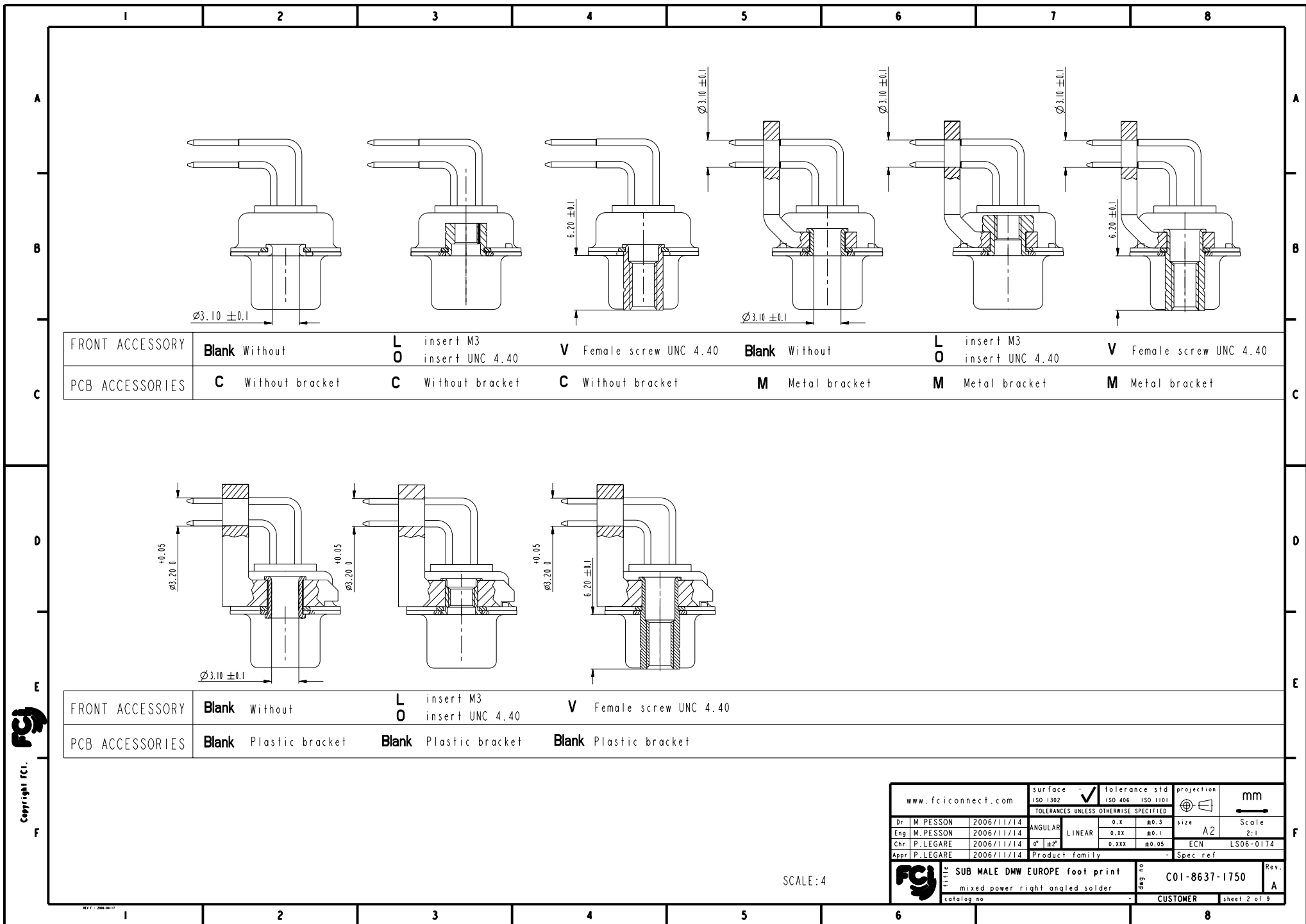
M :Metal brackets

N :Obligatory indication for HE 507



13W3 FOR EXAMPLE

www.fciconnect.com				surface	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	Product family	-	Spec. ref		
Appr	P. LEGARE	2006/11/14								
SUB MALE DMW EUROPE foot print				mixed power right angled solder		deg no	C01-8637-1750	Rev.	A	
catalog no				CUSTOMER				sheet 1 of 9		



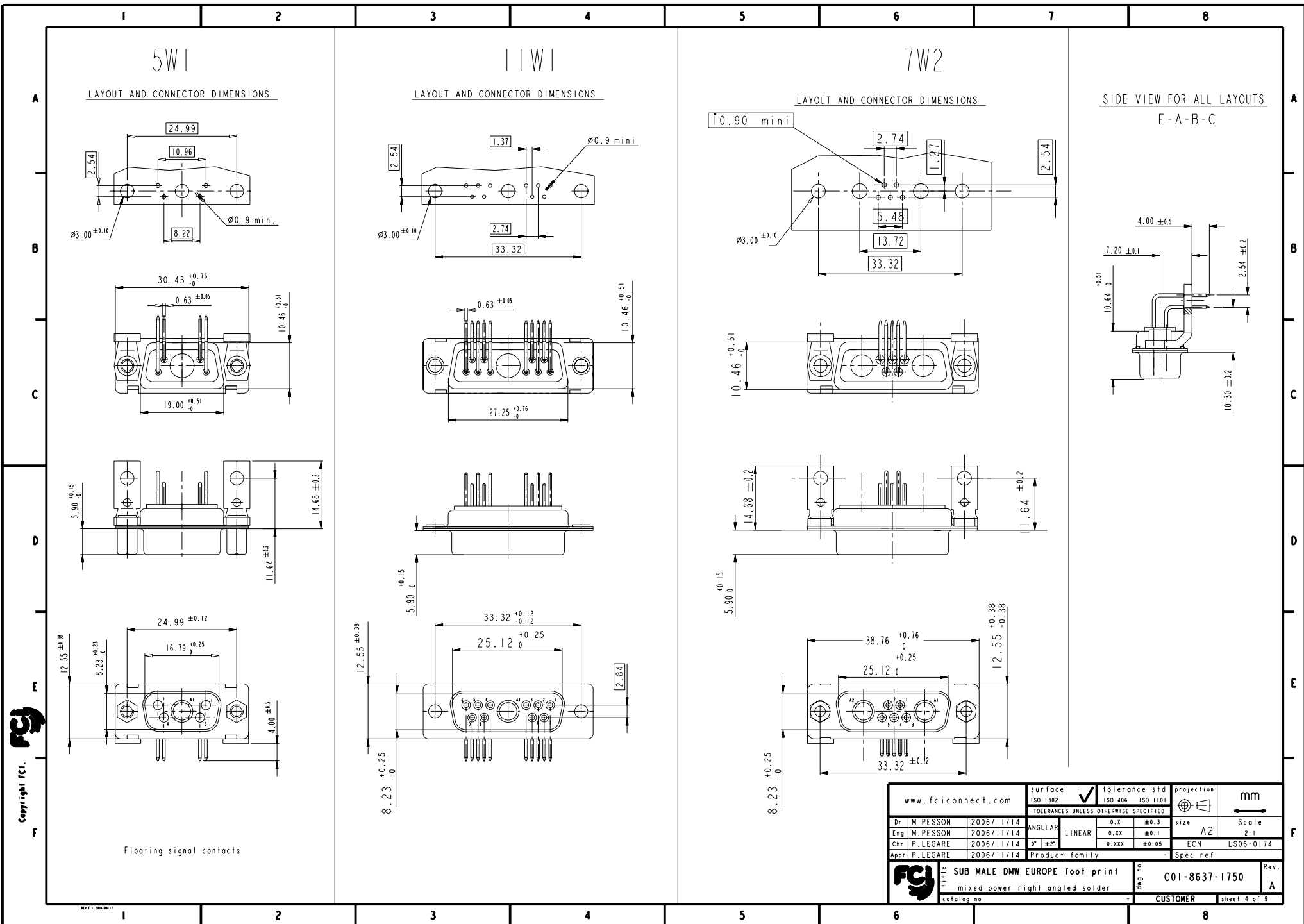
shell size
i
xWx

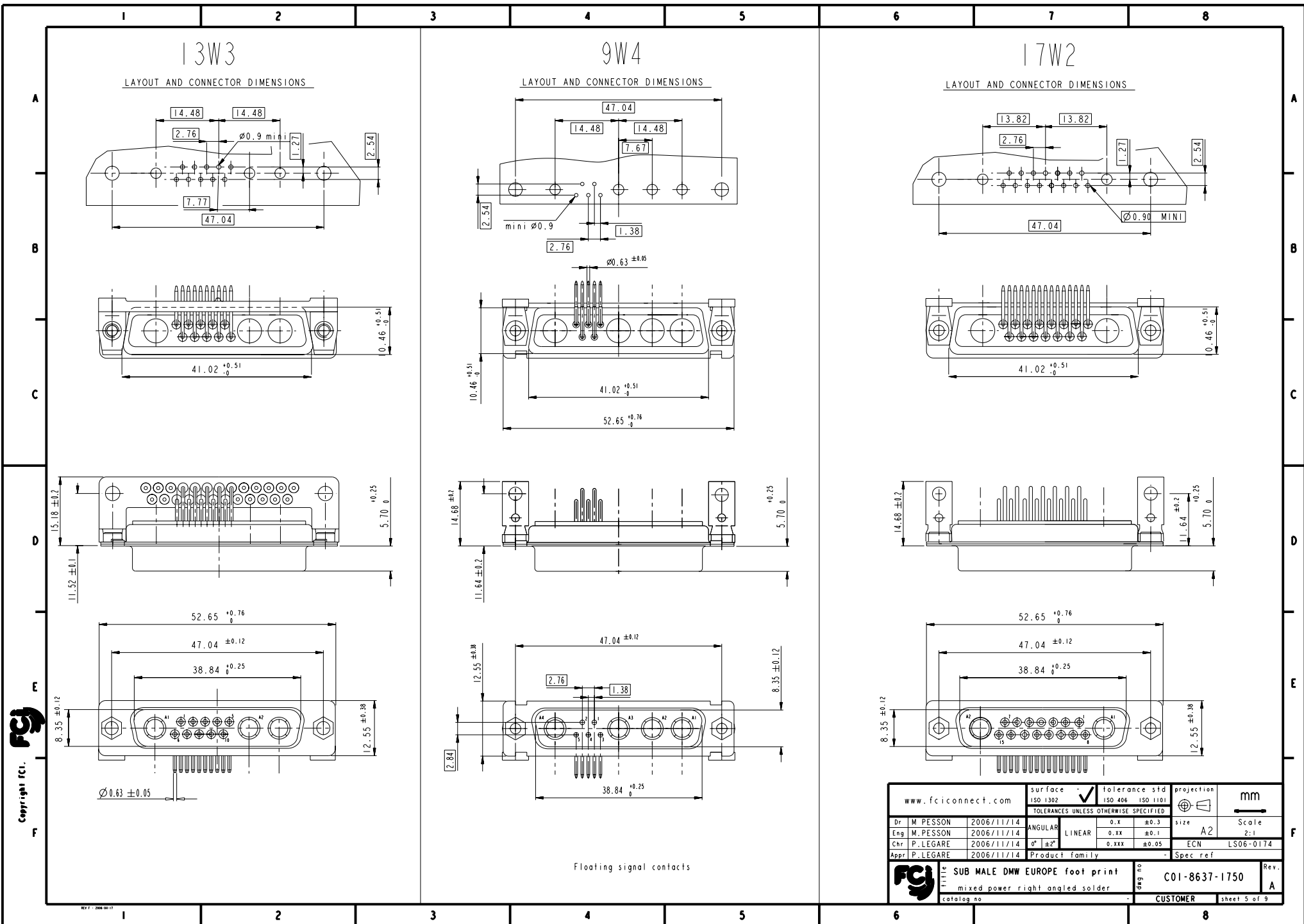
E 5W1
A 11W1
A 7W2
B 21W1
B 17W2
B 13W3
B 9W4
C 25W3
C 21WA4
C 27W2
D 47W1
D 24W7
D 36W4

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

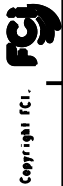
PART NUMBER	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*MxWxP543CN	500	without	without
D*MLxWxP543CN	500	insert M3	without
D*MOxWxP543CN	500	insert UNC 4.40	without
D*MVxWxP543CN	500	female screw UNC 4.40	without
D*MxWxP543MN	500	without	metal bracket
D*MLxWxP543MN	500	insert M3	metal bracket
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

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° ±2°	0.XXX	±0.05				
Appr	P. LEGARE	2006/11/14	Product family			Spec ref			
		SUB MALE DMW EUROPE foot print				deg no C01-8637-1750		Rev. A	
		mixed power right angled solder				CUSTOMER		sheet 3 of 9	
		catalog no							

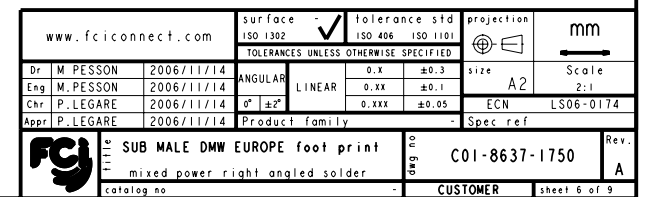




LAYOUT AND CONNECTOR DIMENSIONS

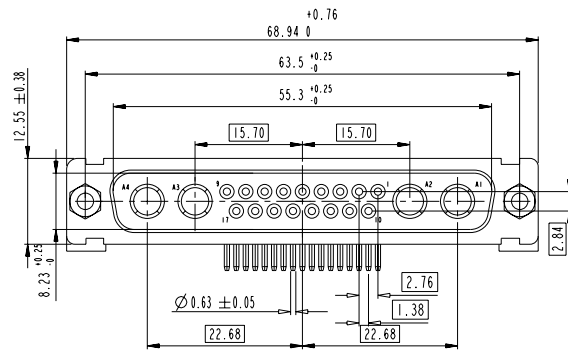
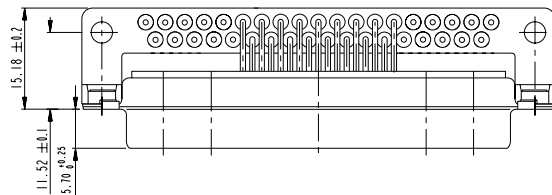
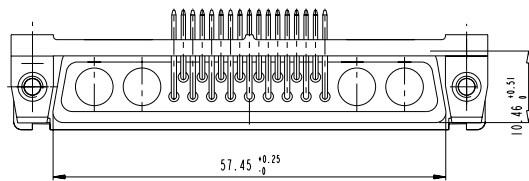
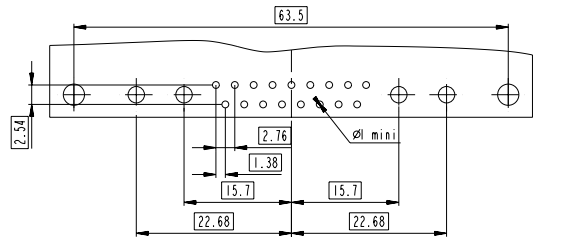


LAYOUT AND CONNECTOR DIMENSIONS



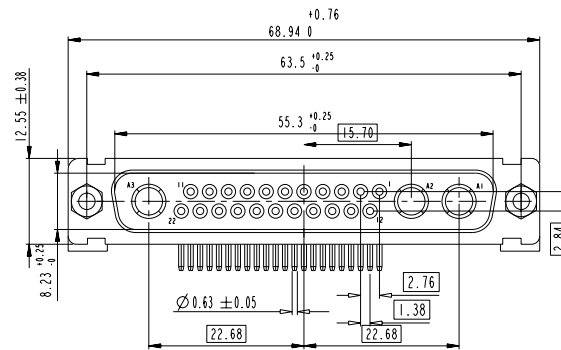
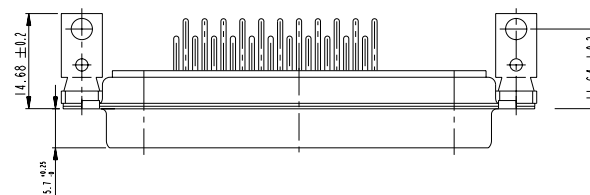
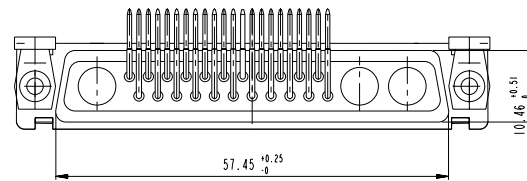
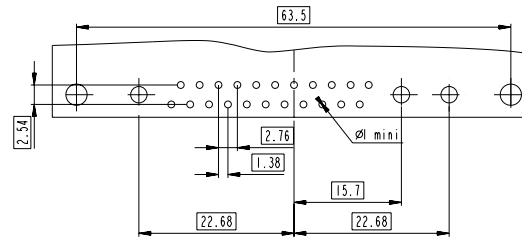
21WA4

LAYOUT AND CONNECTOR DIMENSIONS

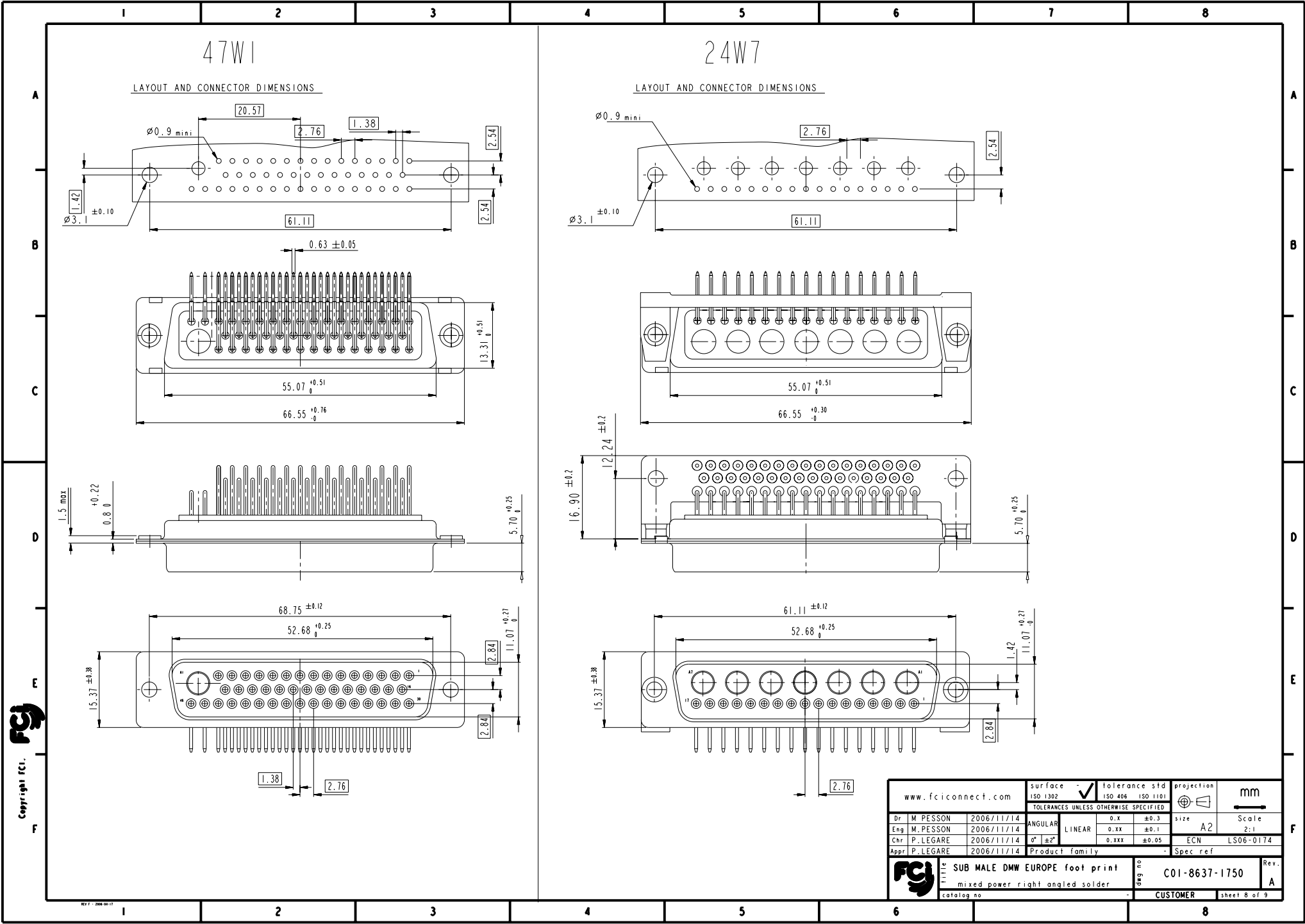


25W3

LAYOUT AND CONNECTOR DIMENSIONS

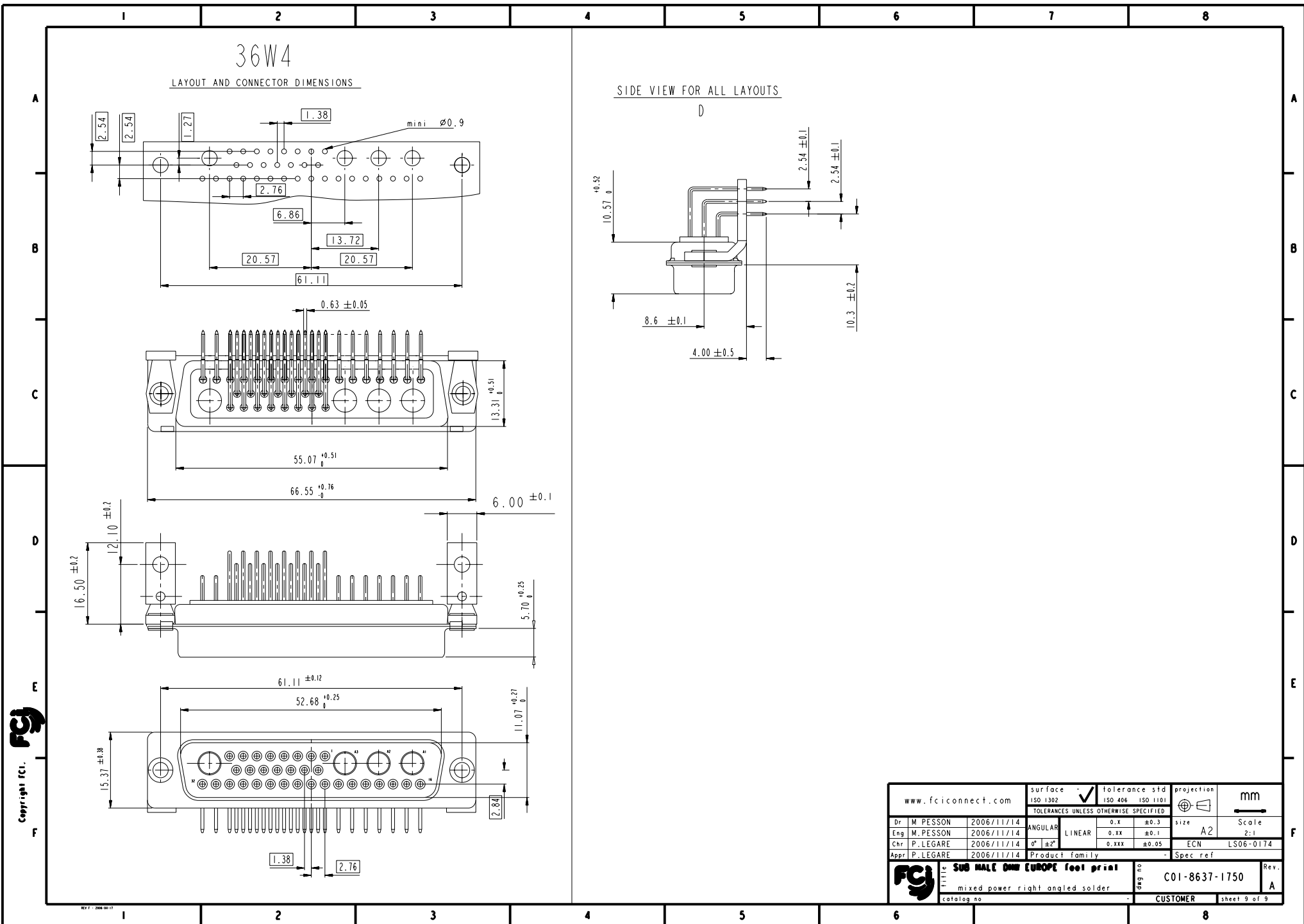


www.fciconnect.com			surface - ☒ tolerance std ISO 1302 ISO 406 ISO 1101		projection 		mm 		
TOLERANCES UNLESS OTHERWISE SPECIFIED									
Dr	M. PESSON	2006/11/14	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1	
Eng	M. PESSON	2006/11/14			0.XX	±0.1			
Chr	P. LEGARE	2006/11/14	0° ±2°		0.XXX	±0.05	ECN	LS06-0174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



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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 DMW EUROPE foot print		mixed power right angled solder		C01-8637-1750		Rev. A		
catalog no		CUSTOMER		sheet 8 of 9				



www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
Dr	M. PESSON	2006/11/14	ANGULAR	0.X	±0.3		A2	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		Spec. ref	
Appr	P. LEGARE	2006/11/14	Product family					
Title		SUB MATE 0mm EUROPE foot print		deg no		C01-8637-1750		
mixed power right angled solder						A		
catalog no						CUSTOMER		
						sheet 9 of 9		