

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

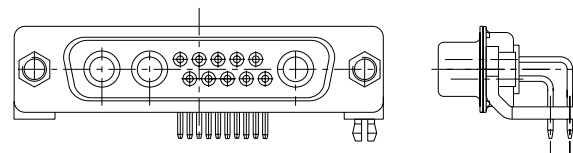
PCB accessories definition(see sheet 2)

blank :Plastic brackets

C :Without brackets

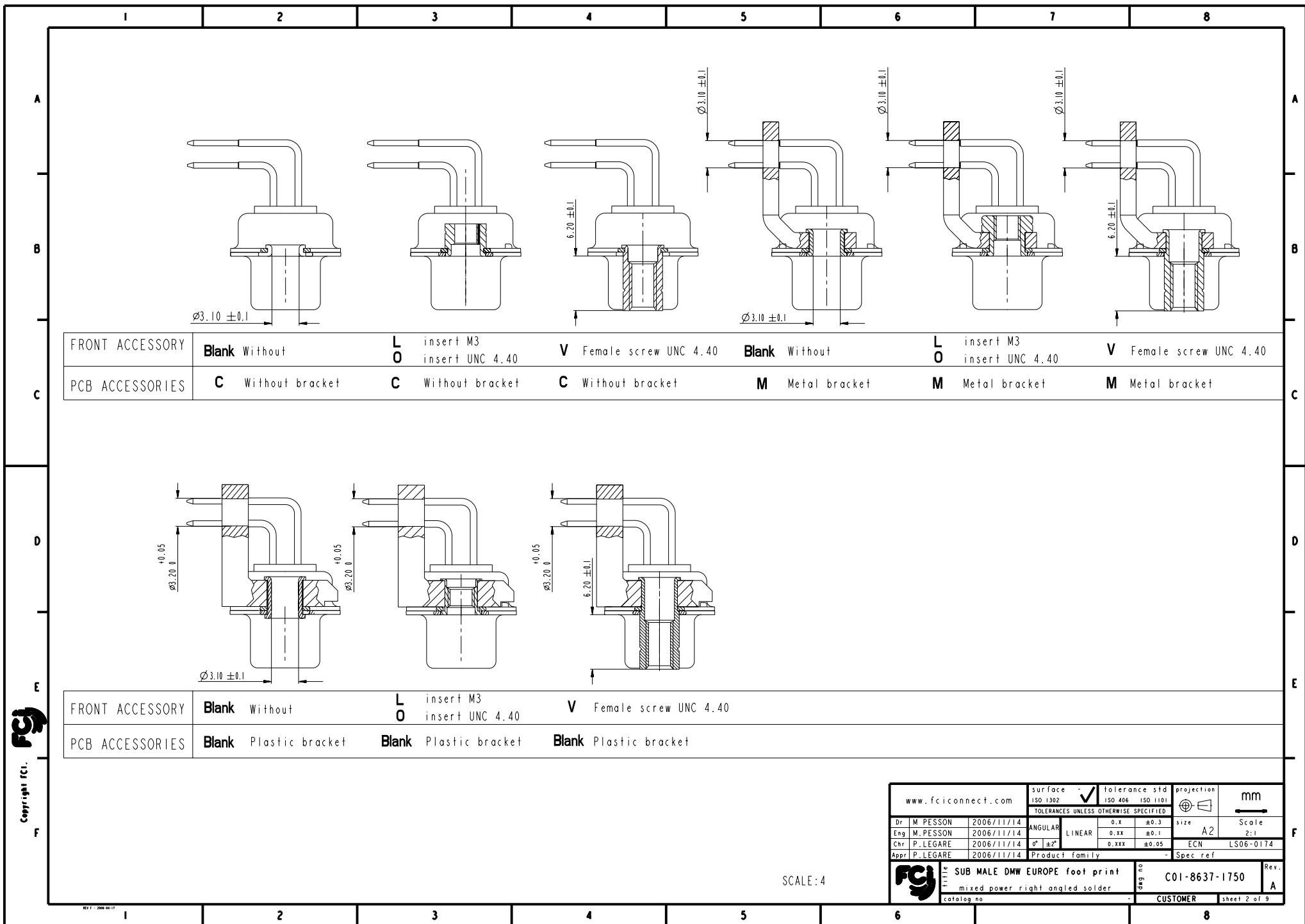
M :Metal brackets

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				Rev.	A	
catalog no				C01-8637-1750				CUSTOMER		
								sheet 1 of 9		

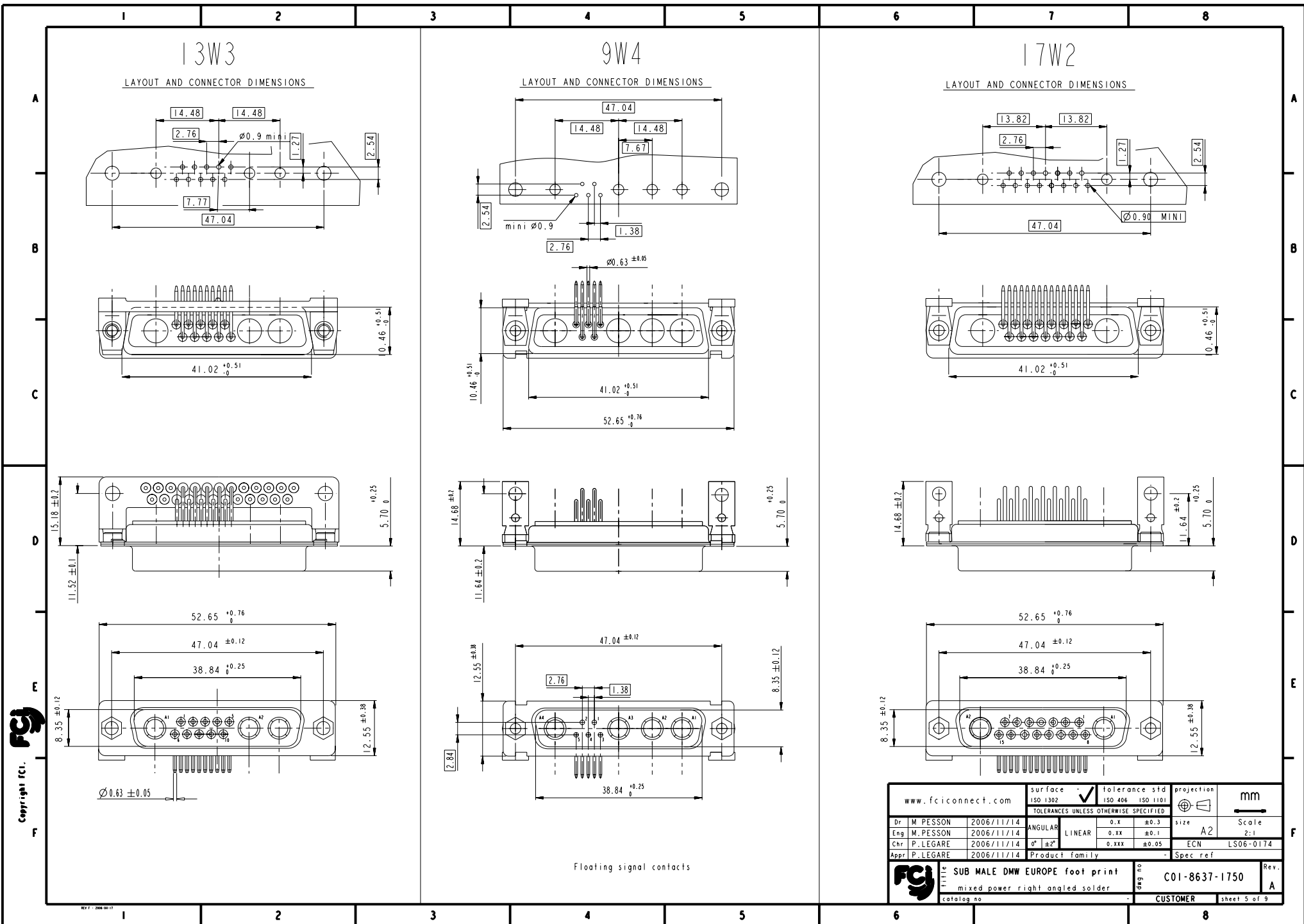


shell size LAYOUTS
t xWx

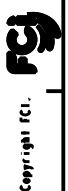
E	5W1
A	11W1
A	7W2
B	21W1
B	17W2
B	13W3
B	9W4
C	25W3
C	21WA4
C	27W2
D	47W1
D	24W7
D	36W4

shell size LAYOUTS
t xWx

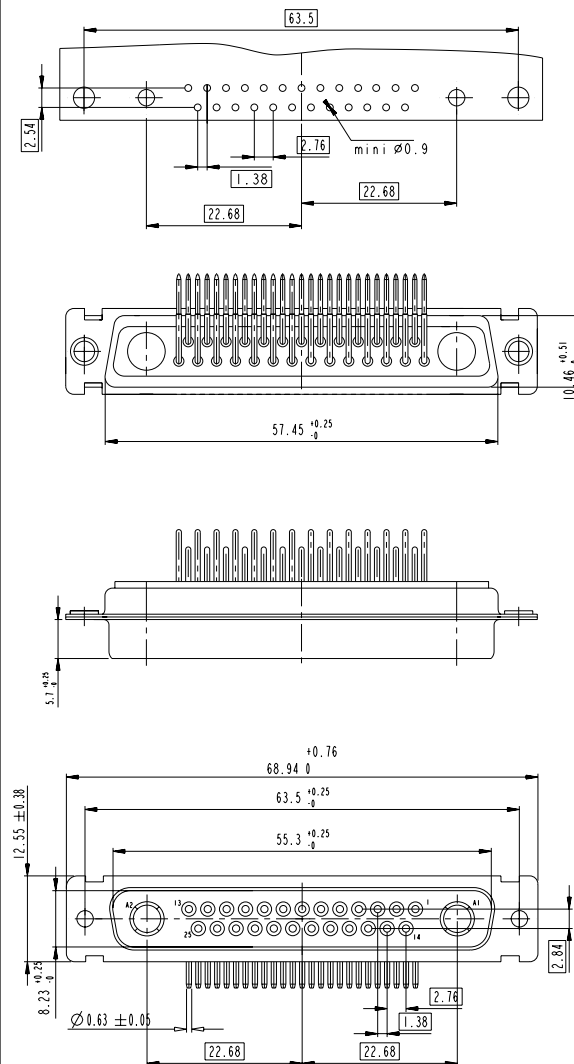
PDM: Rev: A STATUS: **Released** Printed: Jun 18, 2015



LAYOUT AND CONNECTOR DIMENSIONS



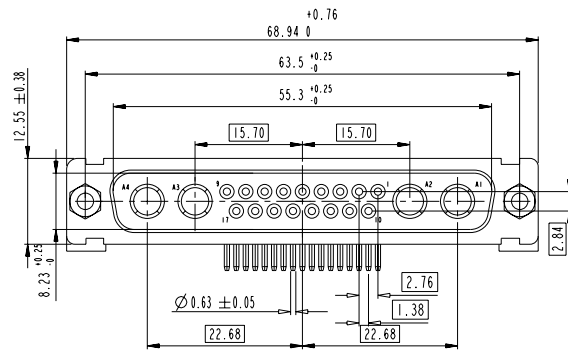
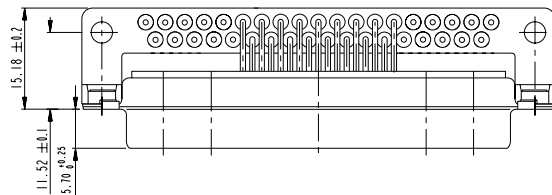
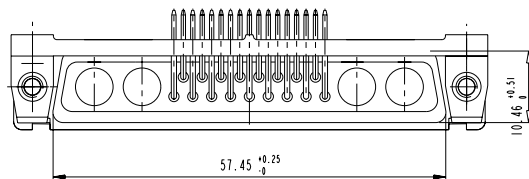
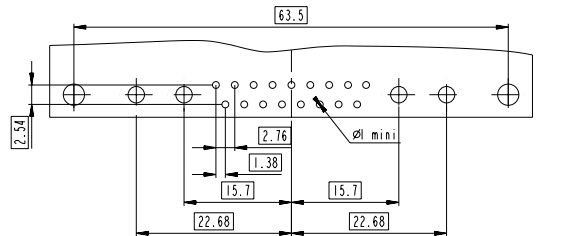
LAYOUT AND CONNECTOR DIMENSIONS



www.fciconnect.com			surface - ☒ tolerance std 150 1302 150 406 150 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
Appr	P. LEGARE	2006/11/14	Product family			ECN LS06-0174			
			- Spec ref						
		Title SUB MALE DMW EUROPE foot print				C01-8637-1750		Rev.	
		mixed power right angled solder						A	
catalog no		-				CUSTOMER		sheet 6 of 9	

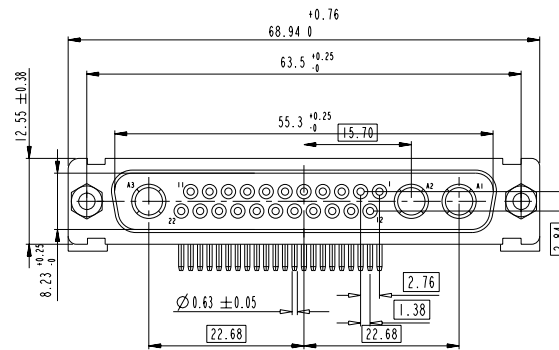
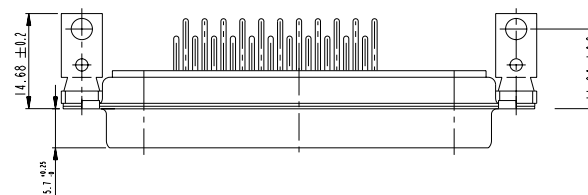
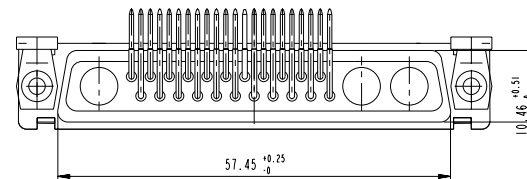
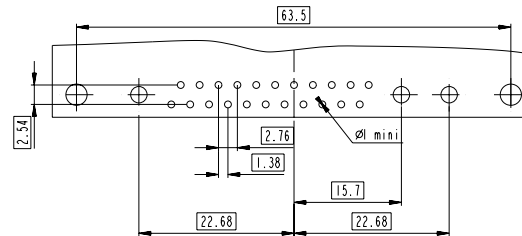
21WA4

LAYOUT AND CONNECTOR DIMENSIONS



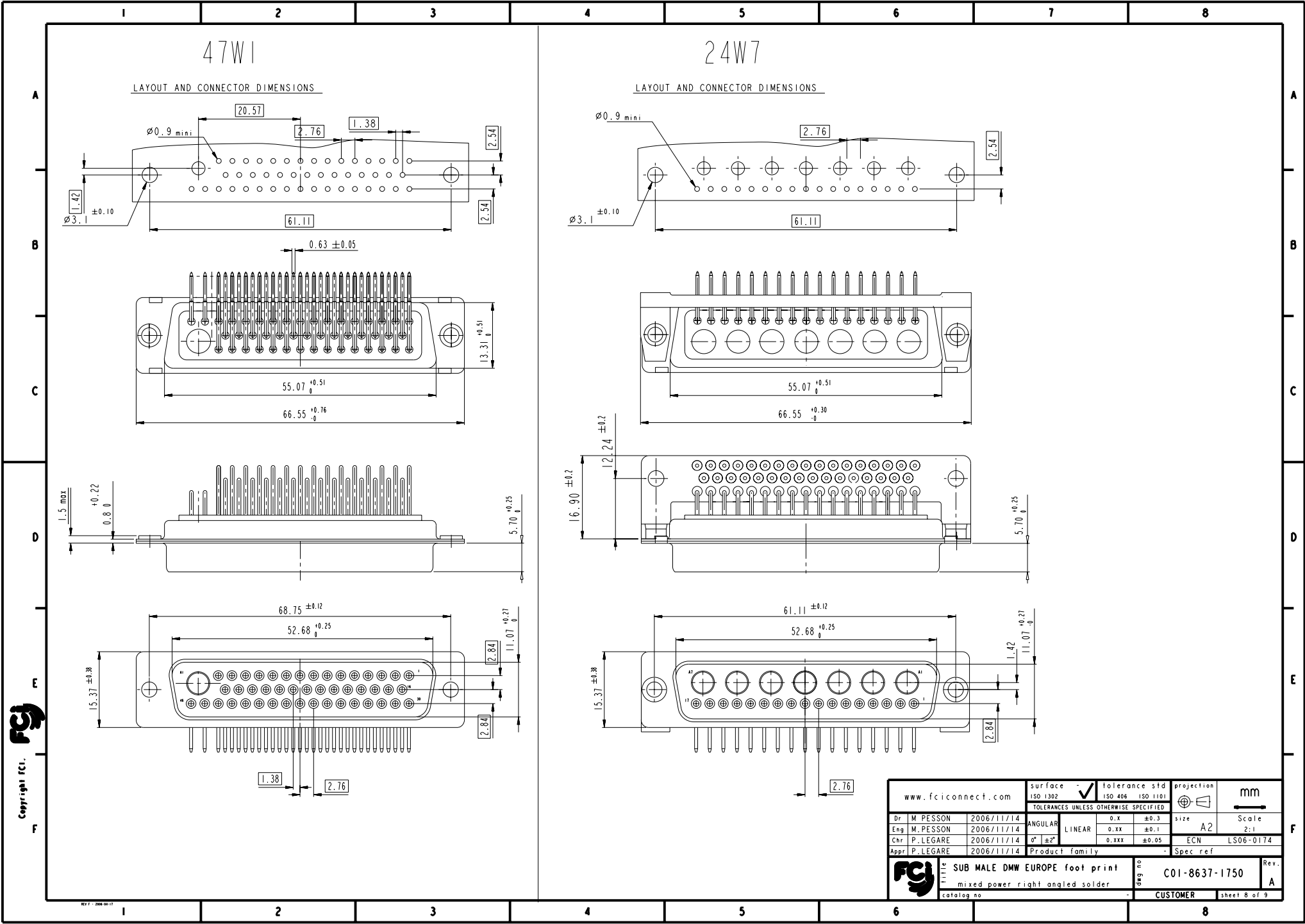
25W3

LAYOUT AND CONNECTOR DIMENSIONS



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www.fciconnect.com			surface - ☒ tolerance std ISO 1302 ISO 406 ISO 1101			projection 		mm 	
TOLERANCES UNLESS OTHERWISE SPECIFIED									
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Appr	P.LEGARE	2006/11/14	Product family				- Spec ref		
			Title SUB MALE DMW EUROPE foot print				C01-8637-1750		Rev. A
			mixed power right angled solder						
catalog no			-		CUSTOMER			sheet 7 of 9	



www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
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Appr	P. LEGARE	2006/11/14	Product family					
Title		SUB MALE DMW EUROPE foot print		Part no		C01-8637-1750		
		mixed power right angled solder		Rev.		A		
Catalog no				CUSTOMER		Sheet 8 of 9		

