

DBML13W3S500MN

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: STEEL FOR BRACKETS
Cadmium plated, yellow passivation

-SHELLS: STEEL
Cadmium plated, yellow passivation

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A (SIGNAL CONTACT)

-CONTACT RESISTANCE: $\leq 7.3 \text{ m Ohms}(\text{SIGNAL})$

-CONTACT/CONTACT : $\geq 1000 \text{ V}$

ENVIRONMENTAL CHARACTERISTICS

-CONTACT/GROUND : $\geq 1200 \text{ V}$

-INSULATION RESISTANCE: $\geq 5000 \text{ MOhms}$

- CLIMATIC CATEGORY: 55/125/21

TEMPERATURE RANGE -55°C TO +125°C

DAMP HEAT STEADY STATE 56 DAYS

SALT SPRAY 48 HOURS

Series

DBML13W3S500MN

Shell size: **E A B C D**

(see sheet 3)

M :Characteristics
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

Layout of contacts (see sheet 3)

Contacts

S :Socket

Termination type

5 Right angle/Europe standard

Plating

00 Right angle 500 matings/unmatings

43 Right angle 500 matings/unmatings
for harsh environment

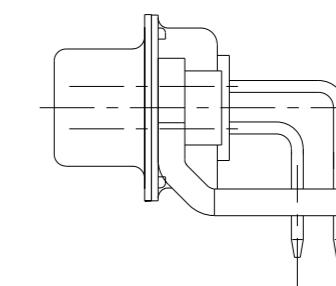
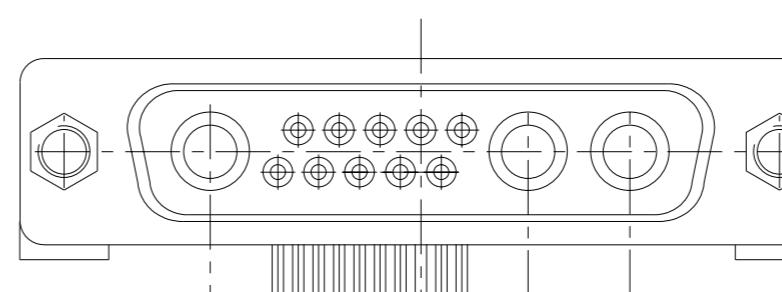
PCB accessories definition(see sheet 2)

blank :Plastic brackets

C :Without brackets

M :Metal brackets

N :Obligatory indication for HE 507



13W3 FOR EXAMPLE

www.fciconnect.com				surface	-	tolerance std	projection	mm	
rev	ecn no	dr	date	ISO 1302				ISO 406	ISO 1101
A	LS06-0174	MPE	2006/11/14	Dr	M PESSON	2006/11/14	ANGULAR	0.X	± 0.3
-	-	-	-	Eng	M. PESSON	2006/11/14	LINEAR	0.XX	± 0.1
-	-	-	-	Chr	P.LEGARE	2006/11/14		0.XXX	± 0.05
-	-	-	-	Appr	P.LEGARE	2006/11/14	Product family	ECN LS06-0174	
FCI				SUB FEMALE DMW EUROPE foot print				dwg no COI-8637-1749	
				mixed power right angled solder				Rev. A	
				catalog no				CUSTOMER sheet 1 of 9	

shell size LAYOUTS

* xWx

PART NUMBER	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*MxWxS500CN	500	without	without
D*MLxWxS500CN	500	insert M3	without
D*MOxWxS500CN	500	insert UNC 4.40	without
D*MVxWxS500CN	500	female screw UNC 4.40	without
D*MxWxS500MN	500	without	metal bracket
D*MLxWxS500MN	500	insert M3	metal bracket
D*MOxWxS500MN	500	insert UNC 4.40	metal bracket
D*MVxWxS500MN	500	female screw UNC 4.40	metal bracket
D*MxWxS500N	500	without	plastic bracket
D*MLxWxS500N	500	insert M3	plastic bracket
D*MOxWxS500N	500	insert UNC 4.40	plastic bracket
D*MVxWxS500N	500	female screw UNC 4.40	plastic bracket

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*MxWxS543CN	500	without	without
D*MLxWxS543CN	500	insert M3	without
D*MOxWxS543CN	500	insert UNC 4.40	without
D*MVxWxS543CN	500	female screw UNC 4.40	without
D*MxWxS543MN	500	without	metal bracket
D*MLxWxS543MN	500	insert M3	metal bracket
D*MOxWxS543MN	500	insert UNC 4.40	metal bracket
D*MVxWxS543MN	500	female screw UNC 4.40	metal bracket
D*MxWxS543N	500	without	plastic bracket
D*MLxWxS543N	500	insert M3	plastic bracket
D*MOxWxS543N	500	insert UNC 4.40	plastic bracket
D*MVxWxS543N	500	female screw UNC 4.40	plastic bracket

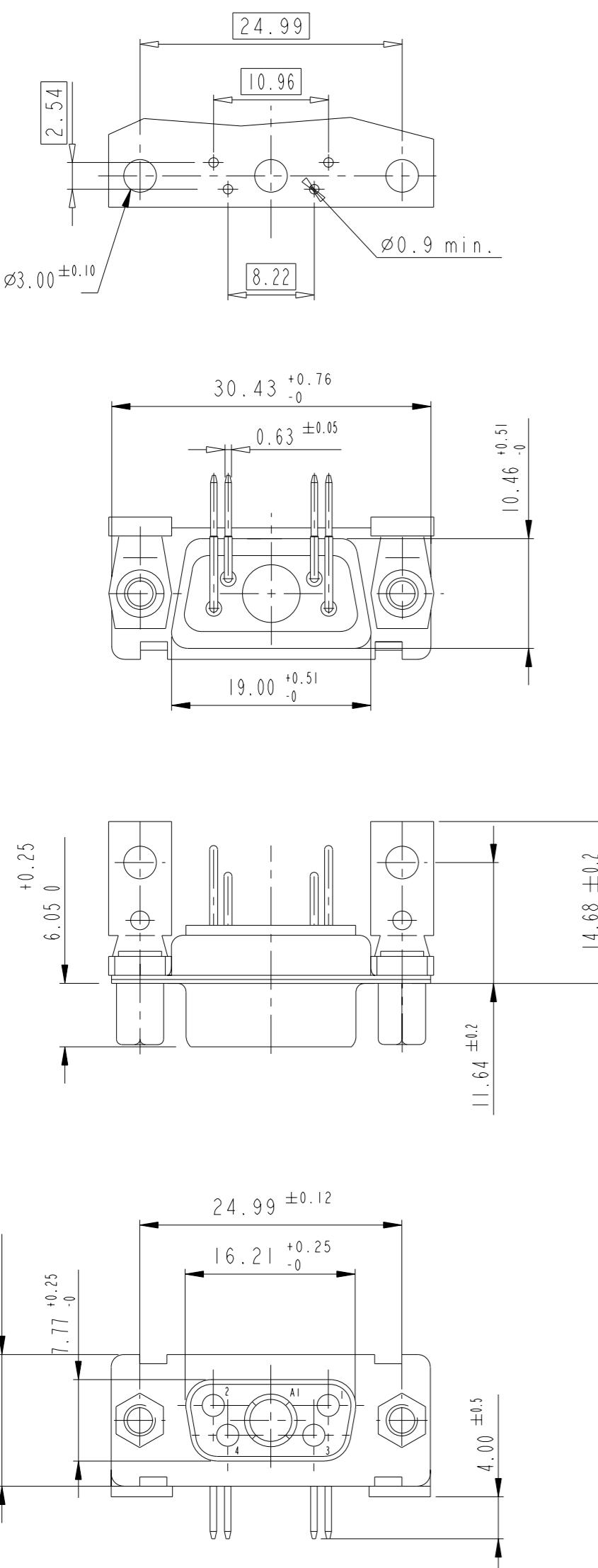


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www.fciconnect.com				surface	-	<input checked="" type="checkbox"/>	tolerance std	projection
				ISO 1302		ISO 406	ISO 1101	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	M PESSON	2006/11/14	ANGULAR	0.X	±0.3			
Eng	M.PESSON	2006/11/14	LINEAR	0.XX	±0.1			size A2
Chr	P.LEGARE	2006/11/14		0°	±2°	0.XXX	±0.05	Scale 2:1
Appr	P.LEGARE	2006/11/14		Product family		ECN	LS06-0174	Spec ref
 SUB FEMALE DMW EUROPE foot print mixed power right angled solder				dwg no COI-8637-1749				
				catalog no				
				CUSTOMER sheet 3 of 9				

5W1

LAYOUT AND CONNECTOR DIMENSIONS



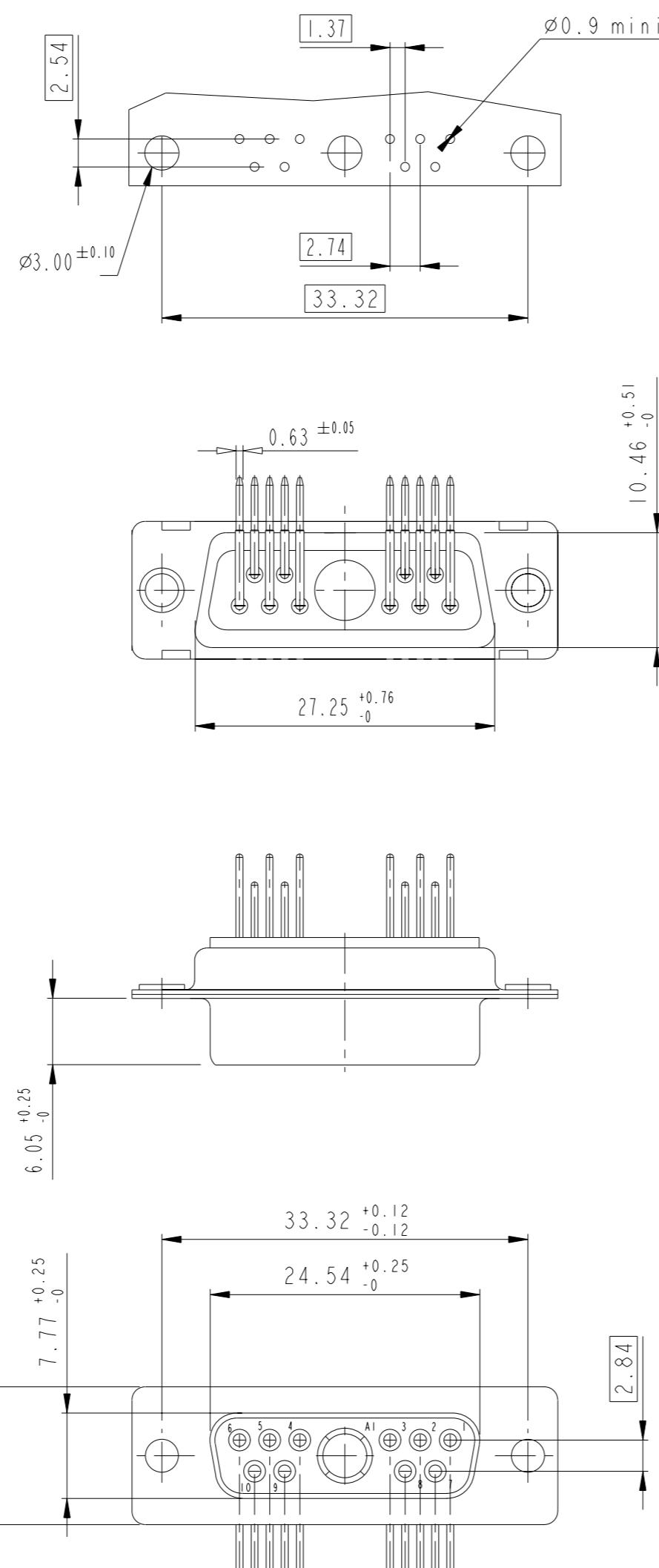
FCI

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Floating signal contacts

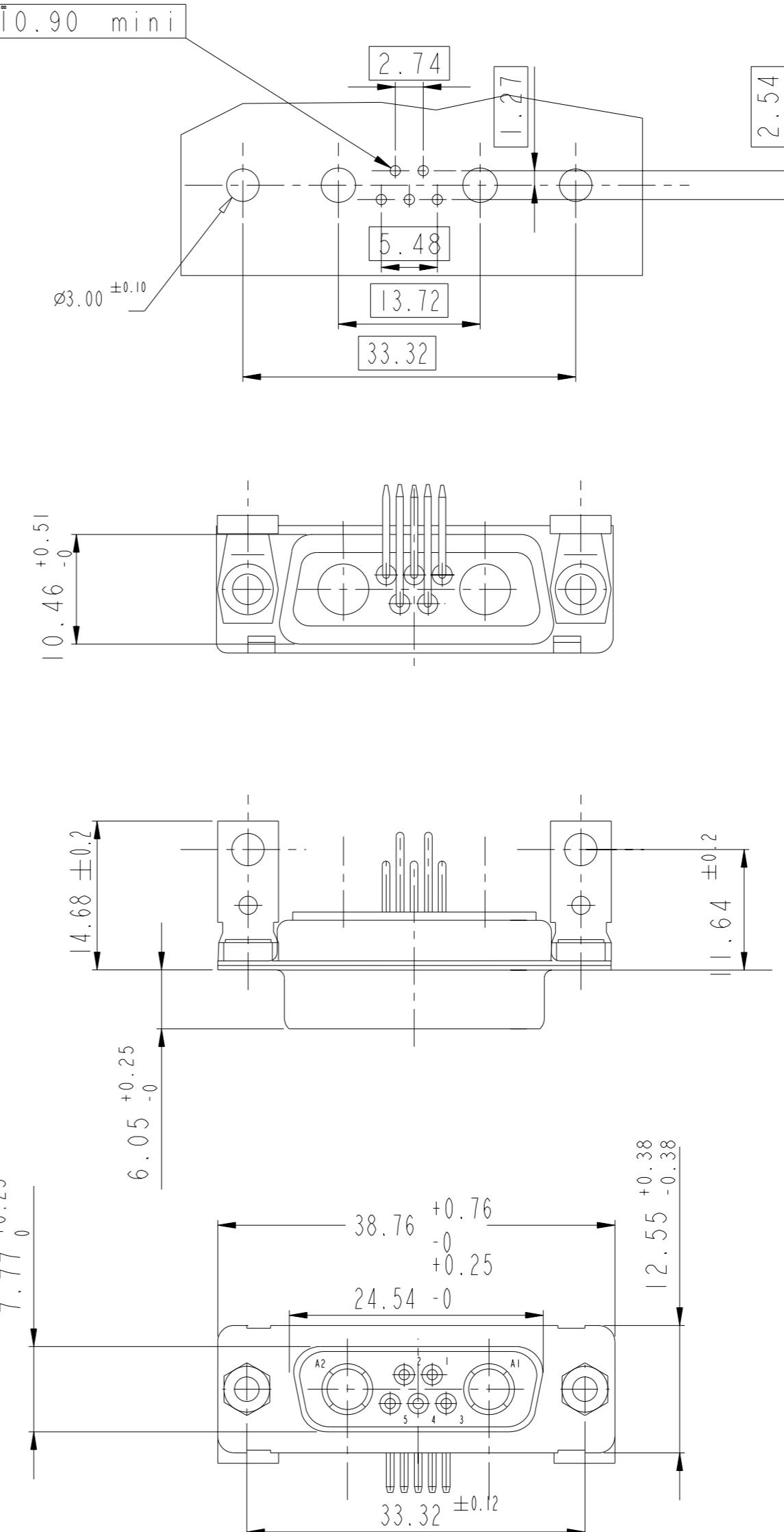
W

LAYOUT AND CONNECTOR DIMENSIONS



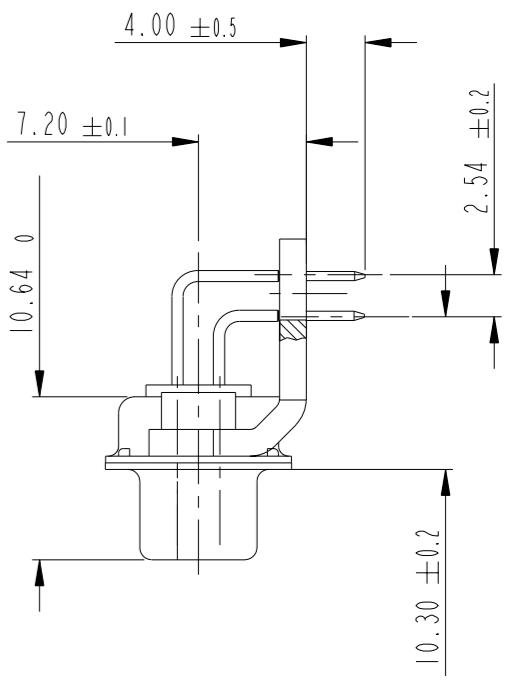
7W2

LAYOUT AND CONNECTOR DIMENSIONS



SIDE VIEW FOR ALL LAYOUTS

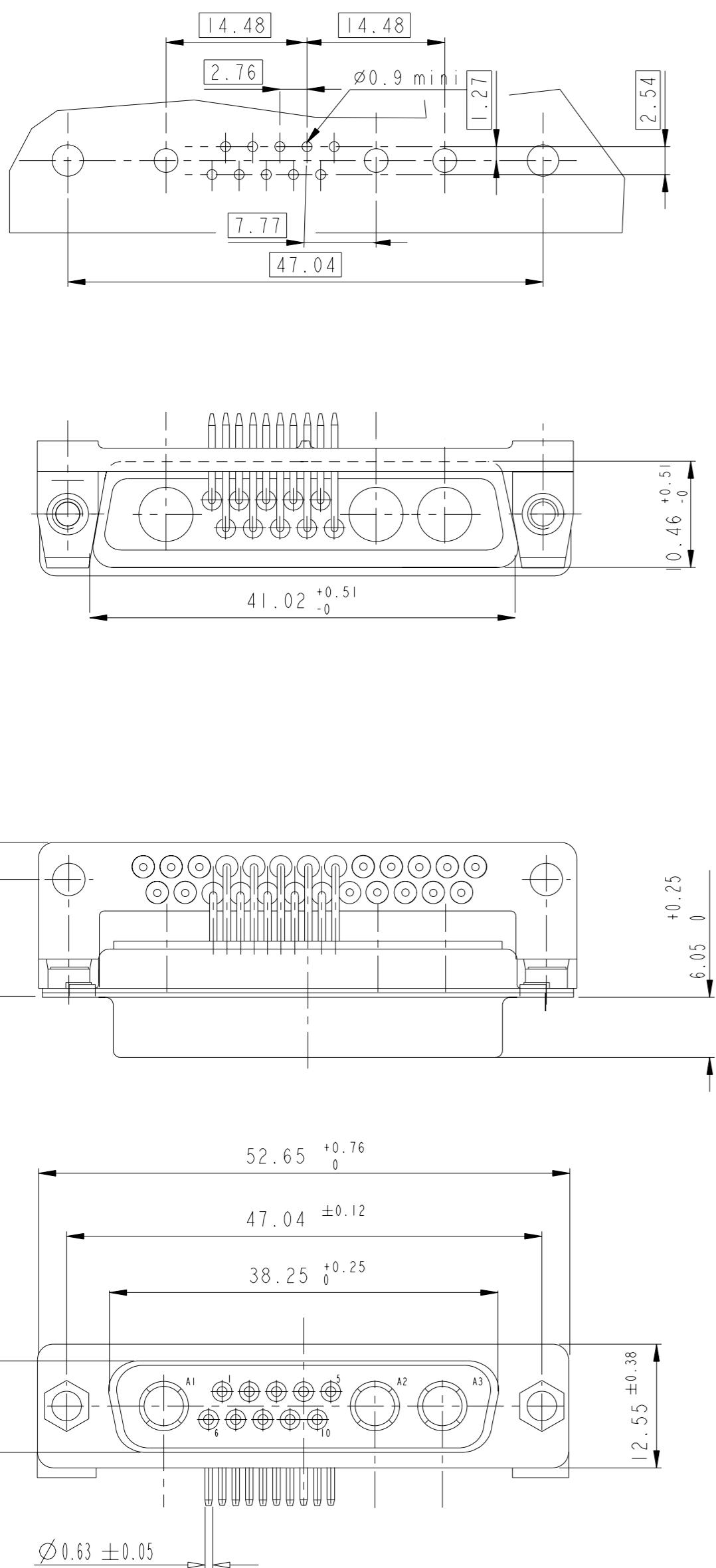
E-A-B-C



www.fciconnect.com			surface	-	tolerance std	✓ ISO 1302	projection	mm
Dr	M. PESSON	2006/11/14	TOLERANCES UNLESS OTHERWISE SPECIFIED			ISO 406 ISO 1101	size	Scale
Eng	M. PESSON	2006/11/14	ANGULAR	LINEAR	0.X	±0.3	A2	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			
FCI	title	SUB FEMALE DMW EUROPE foot print						
	mixed power right angled solder							
	catalog no							
	dwg no	COI-8637-1749						
	Rev.	A						
	CUSTOMER	sheet 4 of 9						

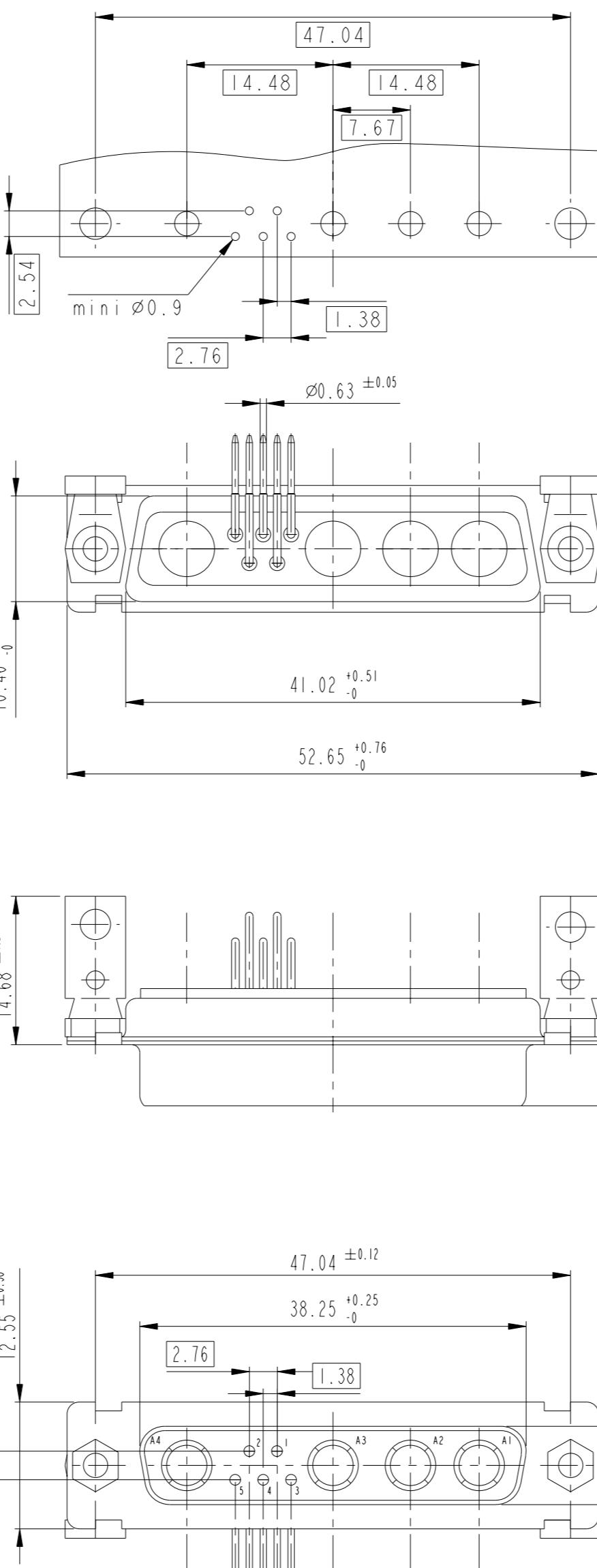
3W3

LAYOUT AND CONNECTOR DIMENSIONS



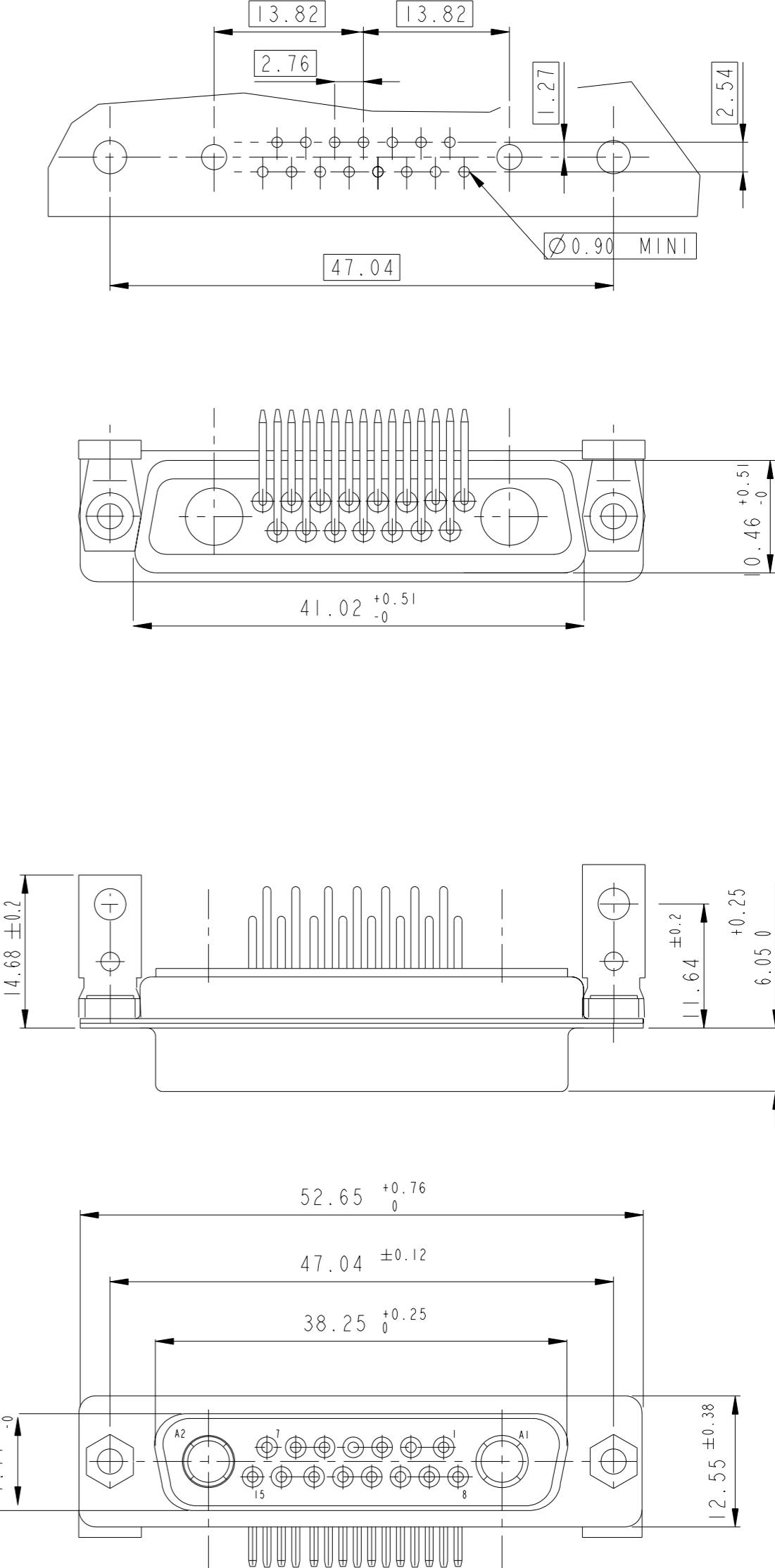
9 W 4

LAYOUT AND CONNECTOR DIMENSIONS



N2

LAYOUT AND CONNECTOR DIMENSIONS



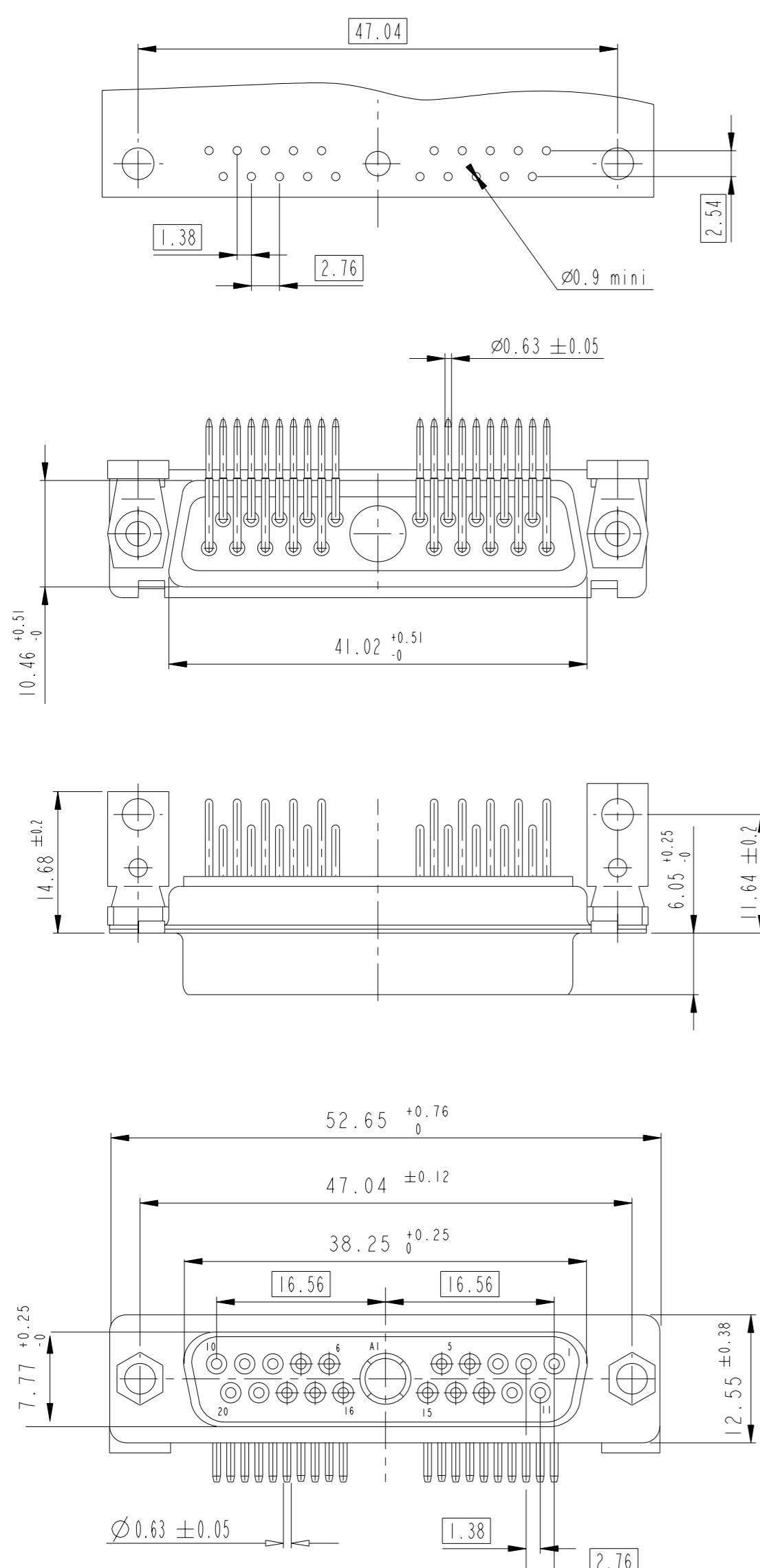
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Floating signal contacts

www.fciconnect.com			surface ISO 1302	- ✓	tolerance std ISO 406 ISO 1101	projection 	mm 
TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	M PESSION	2006/11/14	ANGULAR	LINEAR	0.X	±0.3	size A2 Scale 2:1
Eng	M. PESSION	2006/11/14			0.XX	±0.1	
Chr	P. LEGARE	2006/11/14			0.XXX	±0.05	
Appr	P. LEGARE	2006/11/14	Product family			ECN LS06-0174	Spec ref
FCI		SUB FEMALE DMW EUROPE foot print mixed power right angled solder				dwg no COI-8637-1749	Rev. A
catalog no				CUSTOMER		sheet 5 of 9	

21W1

LAYOUT AND CONNECTOR DIMENSIONS



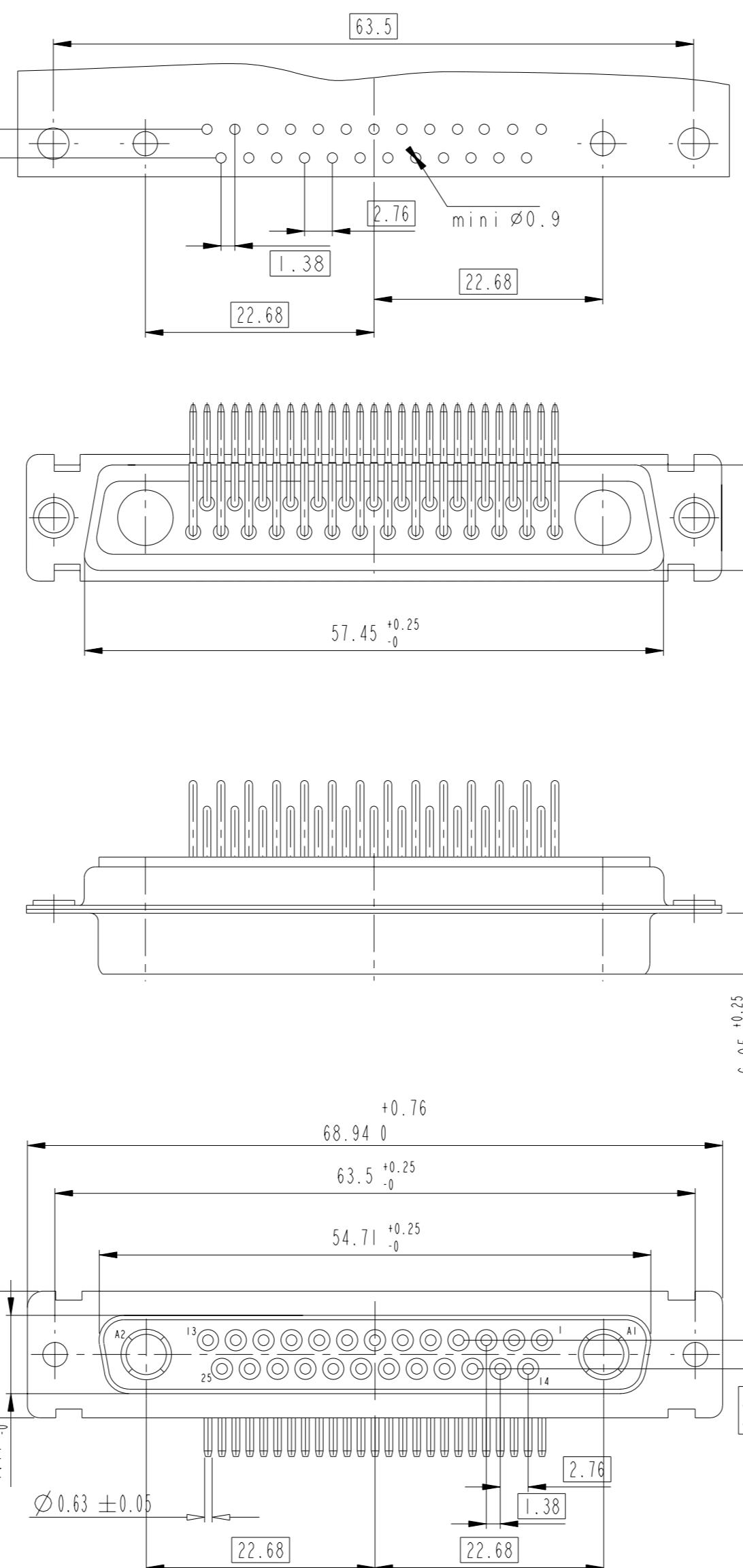
FCI

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27W2

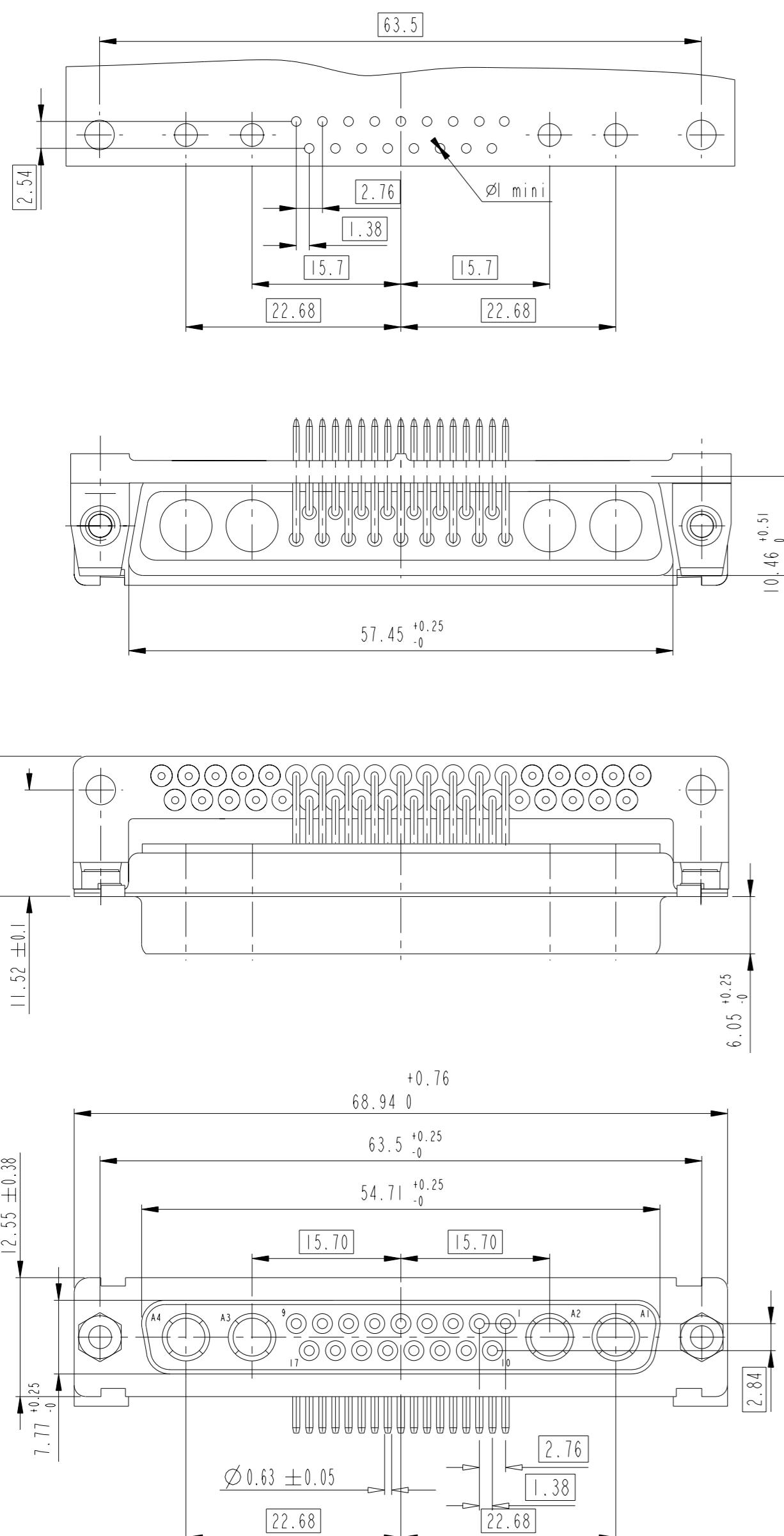
LAYOUT AND CONNECTOR DIMENSIONS



www.fciconnect.com			surface	-	tolerance std	projection	mm
Dr	M. PESSON	2006/11/14	ISO 1302		ISO 406	ISO 1101	scale
Eng	M. PESSON	2006/11/14	TOLERANCES UNLESS OTHERWISE SPECIFIED				2:1
Chr	P. LEGARE	2006/11/14	ANGULAR	0.X	±0.3		
Appr	P. LEGARE	2006/11/14	LINEAR	0.XX	±0.1		
				0.XXX	±0.05	ECN	LS06-0174
						-	Spec ref
FCI	title	SUB FEMALE DMW EUROPE foot print	dwg no	CO1-8637-1749	Rev.	A	
	mixed power right angled solder						
	catalog no						
	CUSTOMER	sheet 6 of 9					

21WA4

LAYOUT AND CONNECTOR DIMENSIONS

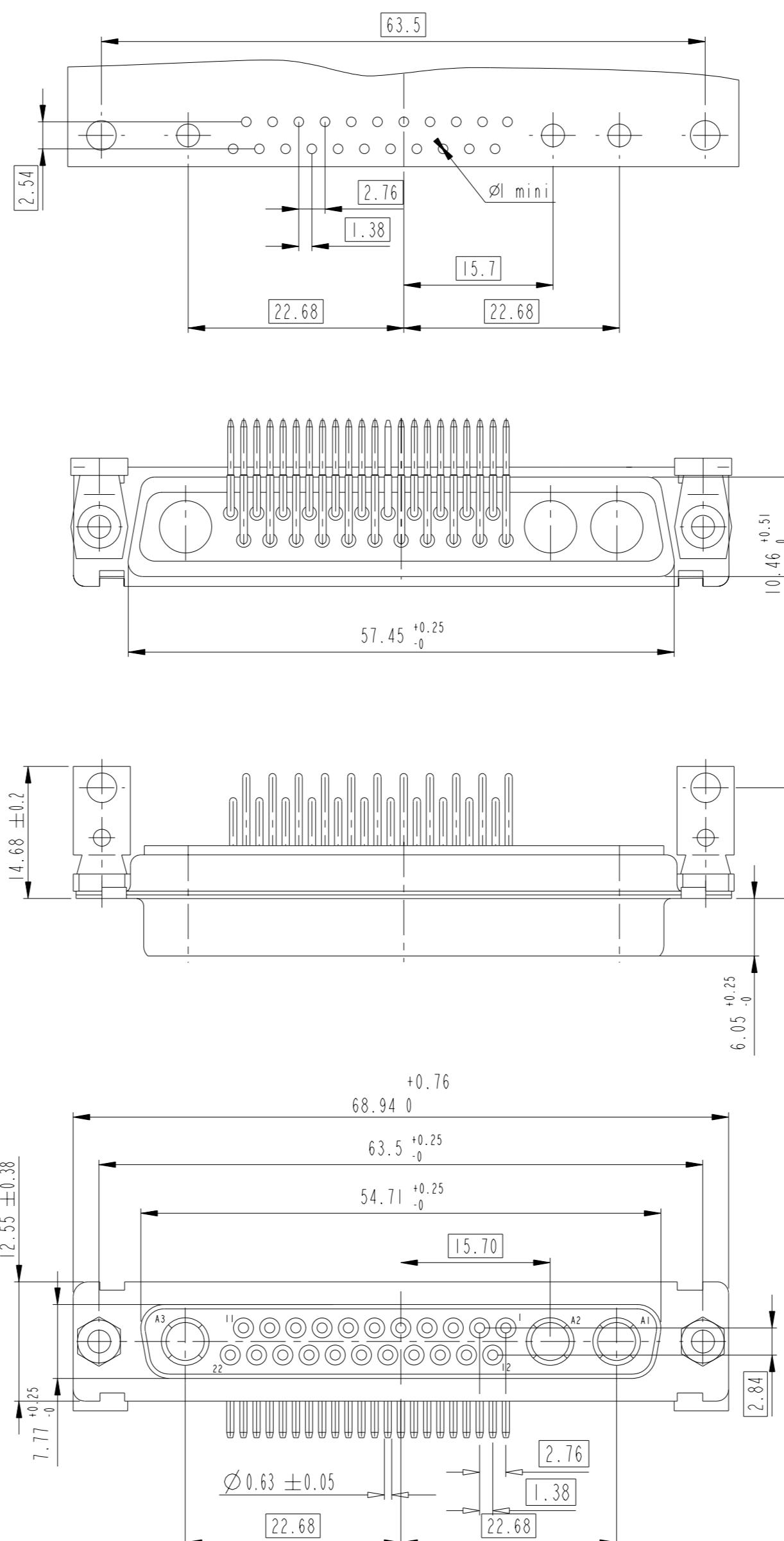


FCI

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25W3

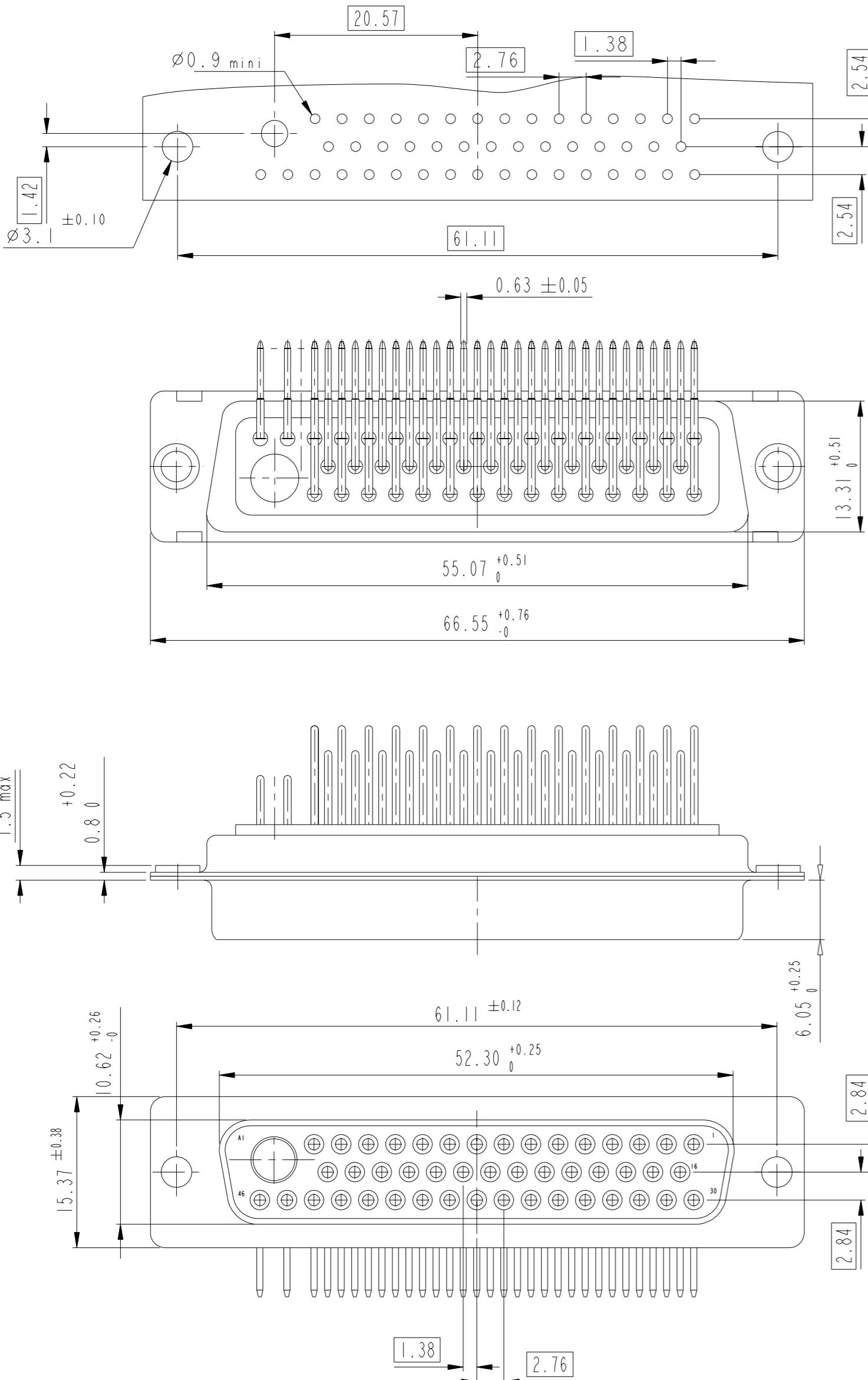
LAYOUT AND CONNECTOR DIMENSIONS



www.fciconnect.com			surface	-	tolerance std	projection	mm
Dr	M. PESSON	2006/11/14	ISO 1302	✓	ISO 406 ISO 1101	size	Scale
Eng	M. PESSON	2006/11/14	ANGULAR		0.X	Ø 0.3	2:1
Chr	P. LEGARE	2006/11/14	LINEAR		0.XX	±0.1	
Appr	P. LEGARE	2006/11/14	0° ±2°		0.XXX	±0.05	ECN LS06-0174
Product family			Spec ref				
FCI			Rev. A				
Title: SUB FEMALE DMW EUROPE foot print			dwg no COI-8637-1749				
mixed power right angled solder			Rev. A				
catalog no			CUSTOMER sheet 7 of 9				

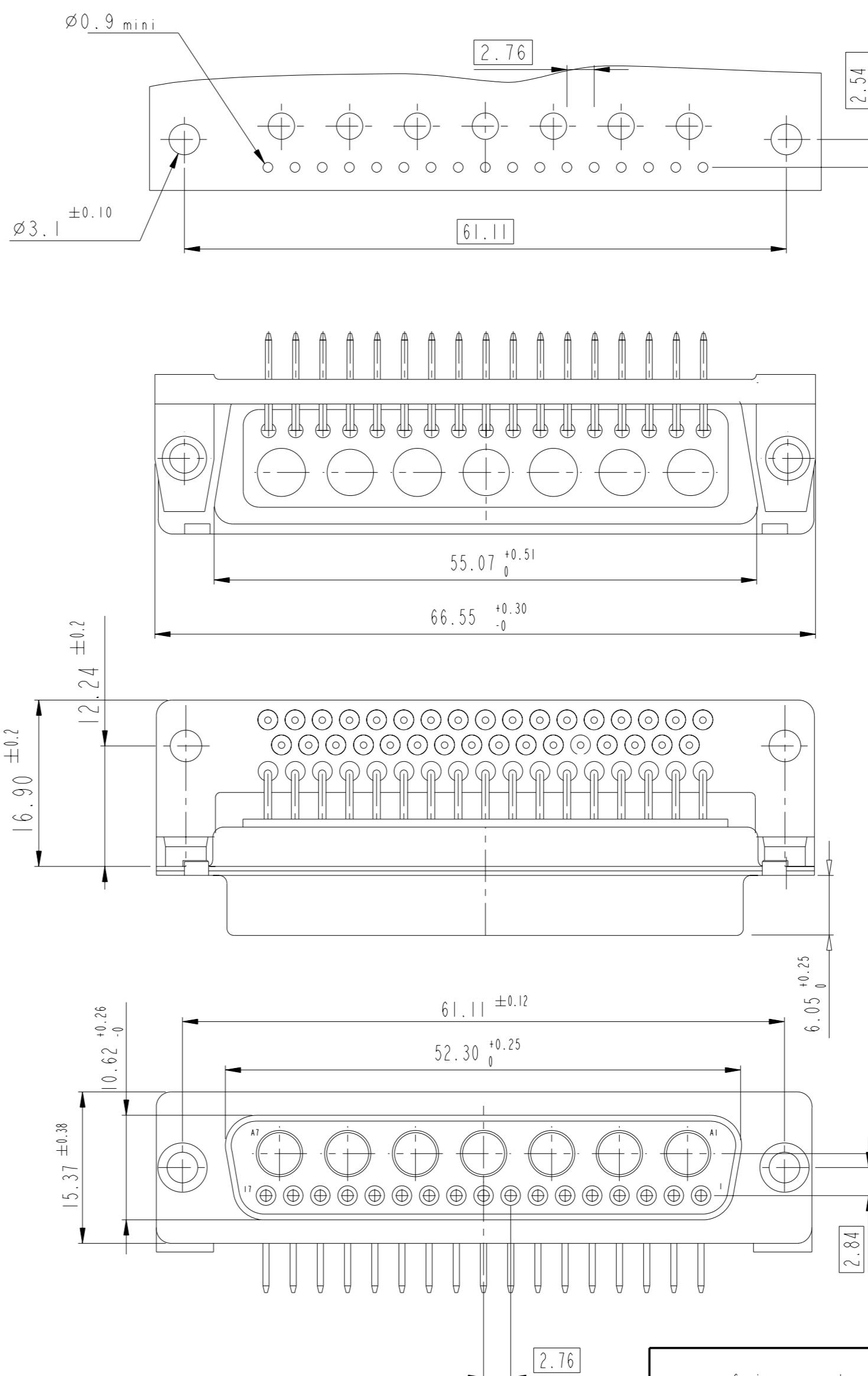
47W

LAYOUT AND CONNECTOR DIMENSIONS



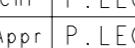
24W7

LAYOUT AND CONNECTOR DIMENSIONS



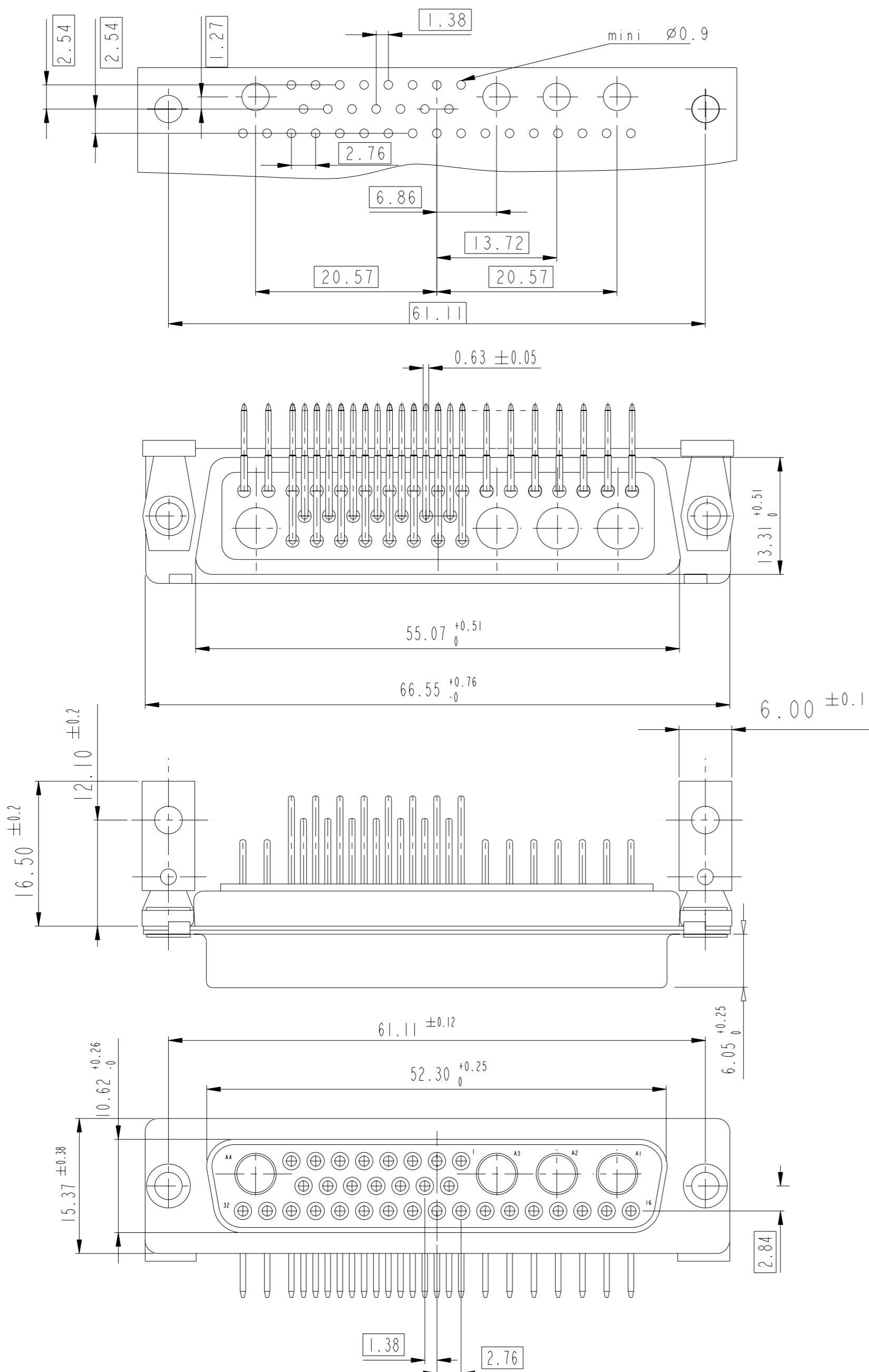
The logo for WPS Office, featuring a stylized 'W' composed of three curved black bars.

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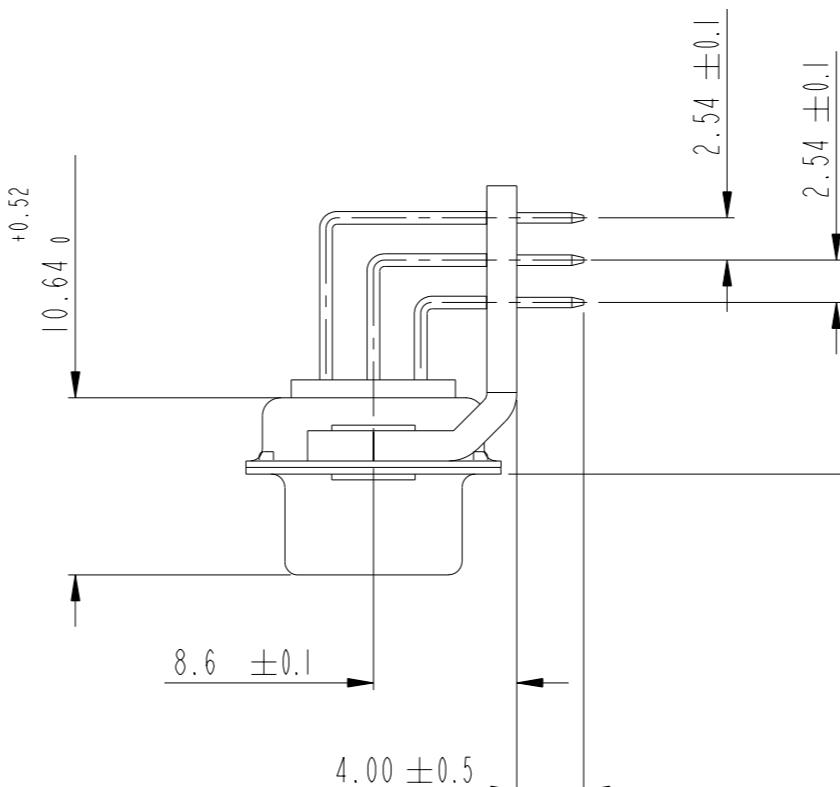
www.fciconnect.com			surface	-	✓	tolerance std	ISO 406	ISO 1101	projection	mm	
			ISO 1302			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSION	2006/11/14	ANGULAR	LINEAR	0.X	±0.3	A2	Scale 2:1	size	LS06-0174	
Eng	M. PESSION	2006/11/14			0.XX	±0.1					
Chr	P.LEGARE	2006/11/14			0.XXX	±0.05			ECN		
Appr	P.LEGARE	2006/11/14			Product family	-			Spec ref		
			SUB FEMALE DMW EUROPE foot print				dwg no	CO1-8637-1749		Rev. A	
mixed power right angled solder							dwg no			A	
catalog no							dwg no				

36W4

LAYOUT AND CONNECTOR DIMENSIONS



SIDE VIEW FOR ALL LAYOUTS



www.fci.com			surface	-	tolerance std	projection	mm
Dr	M. PESSON	2006/11/14	ISO 1302	✓	ISO 406 ISO 1101	size	Scale
Eng	M. PESSON	2006/11/14	TOLERANCES UNLESS OTHERWISE SPECIFIED		LINEAR	0.X	±0.3
Chr	P. LEGARE	2006/11/14	0°	±2°		0.XX	±0.1
Appr	P. LEGARE	2006/11/14	Product family		ECN	LS06-0174	Spec ref
FCI		SUB FEMALE DMW EUROPE foot print		dwg no		COI-8637-1749	
		mixed power right angled solder		Rev.		A	
		catalog no		CUSTOMER		sheet 9 of 9	