REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC UL94V0

-CONTACT MATERIAL: PHOSPHOR BRONZE(SIGNAL CONTACT)

BRASS (POWERS CONTACT)

-ACCESSORIES: BRASS

-SHELLS: STEEL

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A (SIGNAL CONTACT)

30A or 40A (POWER CONTACT)

-CONTACT RESISTANCE: <=7.3 m Ohms(SIGNAL and POWER)

-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 21 DAYS

SALT SPRAY 48 HOURS

MECHANICAL CHARACTERISTICS

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

- Female screw : 0.5 N.m minimum

NOTE RoHS INFORMATION

- The "LF" products meet european union Directives and other country regulations as described in GS-22-008.
- The housing will whistand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board. See application notes/procedures if they are available.
- Termination plating spec:
  - Signal contacts: Ni + Gold
  - Power contacts: Ni 1.27µmit+Sn 2.5 to 7.5µ,pure bright
- Active area plating spec:
  - Signal and power contacts: Ni + Gold
- Shell plating :2 to 4µm Cu + nickel + 3 to 10µmm Sn,pure bright
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920

DBL13W3S500G30LF

Series

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

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

00 200 matings/unmatings
43 500 matings/unmatings

PCB accessories definition(see sheet 2)

A : without accessory
H : Metal brackets+harpoons for PCB 2.40mm
G : Metal brackets+harpoons for PCB 1.60mm
M : Metal brackets

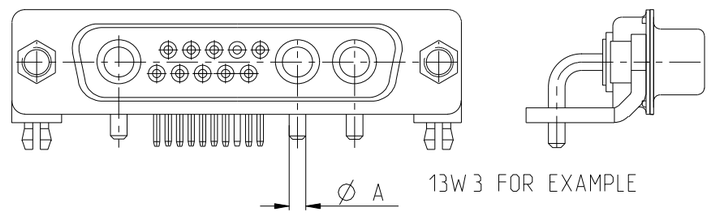
Power contacts

00 : Not fitted with power contact (signal contacts always fitted)
30 : Fitted with power contacts 30 Amp.
40 : Fitted with power contacts 40 Amp.

See note RoHS

TABLE 1:PCB HOLE DIAMETERS

	POWER CONTACTS		ACCESSORIES	SIGNAL CONTACT
30 A	2.00	∅2.40	∅3.10	∅0.9 min
40 A	2.80	∅3.10		
Max current power	∅A +0.1 0	PCB HOLE ±0.1	PCB HOLE ±0.1	PCB HOLE



rev	ecn no	dr	date
A	LS05-0101	MPE	2005-10-11
B	LS06-0208	LGO	2006-12-12
C	LS07-0273	MPE	2007/10/31
D	F09-0092	LSA	2009/09/16
E	F10-0060	LSA	2010/06/01
-	-	-	-
-	-	-	-

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surface - ISO 1302 | tolerance std ISO 406 ISO 1101 | projection | mm

TOLERANCES UNLESS OTHERWISE SPECIFIED

Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X ±0.3
Eng	P LEGARE	2005-10-11			0.XX ±0.1
Chr			0° ±2°		0.XXX ±0.05
Appr					

size A2 | Scale 2:1

ECN F10-0060

Product family - | Spec ref

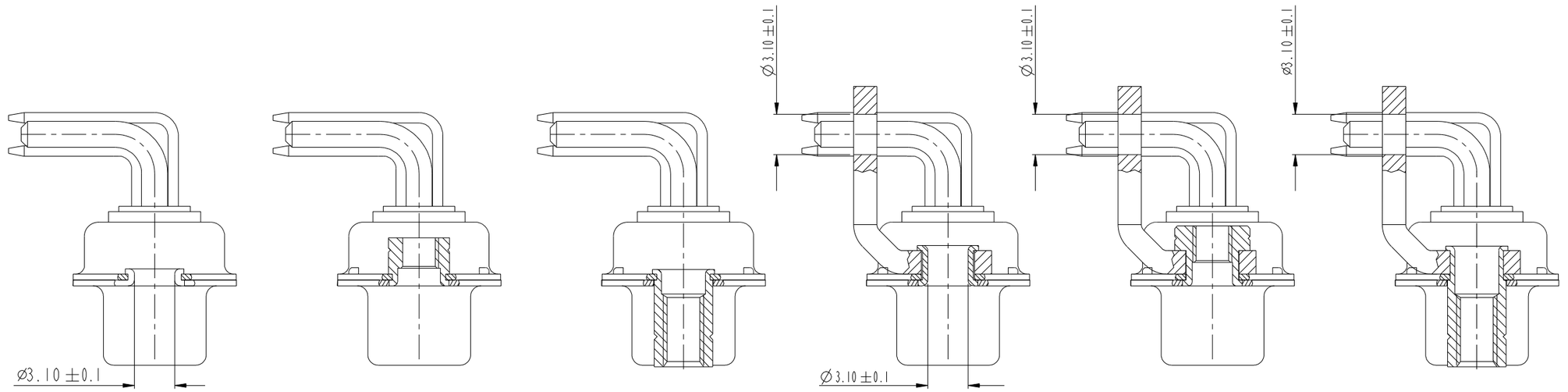
title: SUB FEMALE DMW EUROPE
mixed power right angled solder

dwg no: C01-8639-2300 | Rev. E

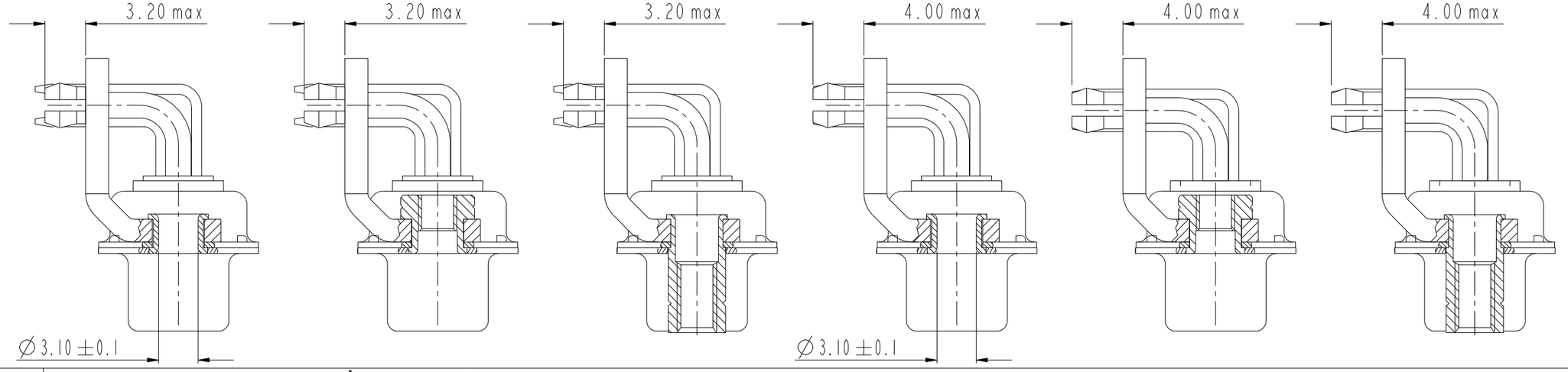
catalog no - | CUSTOMER | sheet 1 of 7

REV E - 2006-03-28

PDM: Rev:E STATUS: Released Printed: Oct 01, 2010



FRONT ACCESSORY	**Blank** Without	**L** insert M3 **O** insert UNC 4.40	**V** insert UNC 4.40	**Blank** Without	**L** insert M3 **O** insert UNC 4.40	**V** insert UNC 4.40
PCB ACCESSORIES	**A** Without	**A** Without	**A** Without	**M** Metal brackets	**M** Metal brackets	**M** Metal bracket



FRONT ACCESSORY	**Blank** Without	**L** insert M3 **O** insert UNC 4.40	**V** insert UNC 4.40	**Blank** Without	**L** insert M3 **O** insert UNC 4.40	**V** insert UNC 4.40
PCB ACCESSORIES	**G** Metal brackets + harpoons for PCB 1.60mm	**G** Metal brackets + harpoons for PCB 1.60mm	**G** Metal brackets + harpoons for PCB 1.60mm	**H** Metal brackets + harpoons for PCB 2.40mm	**H** Metal brackets + harpoons for PCB 2.40mm	**H** Metal brackets + harpoons for PCB 2.40mm

SCALE:4

www.fciconnect.com			surface - ISO 1302		tolerance std ISO 406 ISO 1101		projection	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	P LEGARE	2005-10-11			0.XX	±0.1		
Chr			0° ±2°		0.XXX	±0.05	ECN	F10-0060
Appr			Product family		-		Spec ref	
title	SUB FEMALE DMW EUROPE mixed power right angled solder						dwg no	C01-8639-2300 Rev. E
catalog no	-						CUSTOMER	sheet 2 of 7

REV E - 2006-03-28

PDM: Rev:E STATUS: Released Printed: Oct 01, 2010

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS500A30LF	30	200	without	without
D*LxWxS500A30LF	30	200	insert M3	without
D*OxWxS500A30LF	30	200	insert UNC 4.40	without
D*VxWxS500A30LF	30	200	female screw UNC 4.40	without
D*xWxS500H30LF	30	200	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS500H30LF	30	200	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS500H30LF	30	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS500H30LF	30	200	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS500G30LF	30	200	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS500G30LF	30	200	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS500G30LF	30	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS500G30LF	30	200	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS500M30LF	30	200	without	metal bracket
D*LxWxS500M30LF	30	200	insert M3	metal bracket
D*OxWxS500M30LF	30	200	insert UNC 4.40	metal bracket
D*VxWxS500M30LF	30	200	female screw UNC 4.40	metal bracket

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS500A40LF	40	200	without	without
D*LxWxS500A40LF	40	200	insert M3	without
D*OxWxS500A40LF	40	200	insert UNC 4.40	without
D*VxWxS500A40LF	40	200	female screw UNC 4.40	without
D*xWxS500H40LF	40	200	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS500H40LF	40	200	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS500H40LF	40	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS500H40LF	40	200	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS500G40LF	40	200	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS500G40LF	40	200	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS500G40LF	40	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS500G40LF	40	200	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS500M40LF	40	200	without	metal bracket
D*LxWxS500M40LF	40	200	insert M3	metal bracket
D*OxWxS500M40LF	40	200	insert UNC 4.40	metal bracket
D*VxWxS500M40LF	40	200	female screw UNC 4.40	metal bracket

shell size *	LAYOUTS xWx
E	5WI
A	11WI
A	7W2
B	21WI
B	17W2
B	13W3
B	9W4
C	25W3
C	21WA4
C	27W2
D	24W7

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS543A30LF	30	500	without	without
D*LxWxS543A30LF	30	500	insert M3	without
D*OxWxS543A30LF	30	500	insert UNC 4.40	without
D*VxWxS543A30LF	30	500	female screw UNC 4.40	without
D*xWxS543H30LF	30	500	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS543H30LF	30	500	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS543H30LF	30	500	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS543H30LF	30	500	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS543G30LF	30	500	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS543G30LF	30	500	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS543G30LF	30	500	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS543G30LF	30	500	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS543M30LF	30	500	without	metal bracket
D*LxWxS543M30LF	30	500	insert M3	metal bracket
D*OxWxS543M30LF	30	500	insert UNC 4.40	metal bracket
D*VxWxS543M30LF	30	500	female screw UNC 4.40	metal bracket

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS543A40LF	40	500	without	without
D*LxWxS543A40LF	40	500	insert M3	without
D*OxWxS543A40LF	40	500	insert UNC 4.40	without
D*VxWxS543A40LF	40	500	female screw UNC 4.40	without
D*xWxS543H40LF	40	500	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS543H40LF	40	500	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS543H40LF	40	500	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS543H40LF	40	500	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS543G40LF	40	500	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS543G40LF	40	500	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS543G40LF	40	500	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS543G40LF	40	500	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS543M40LF	40	500	without	metal bracket
D*LxWxS543M40LF	40	500	insert M3	metal bracket
D*OxWxS543M40LF	40	500	insert UNC 4.40	metal bracket
D*VxWxS543M40LF	40	500	female screw UNC 4.40	metal bracket

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surface - ISO 1302 | tolerance std ISO 406 ISO 1101 | projection | mm

TOLERANCES UNLESS OTHERWISE SPECIFIED

Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size A2
Eng	P LEGARE	2005-10-11			0.XX	±0.1	Scale 2:1
Chr			0° ±2°		0.XXX	±0.05	ECN F10-0060
Appr			Product family -				Spec ref

title: SUB FEMALE DMW EUROPE
mixed power right angled solder
catalog no -

dwg no C01-8639-2300 Rev. E

CUSTOMER sheet 3 of 7

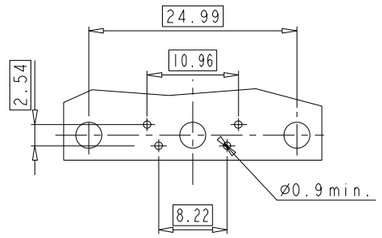
REV E - 2006-03-28

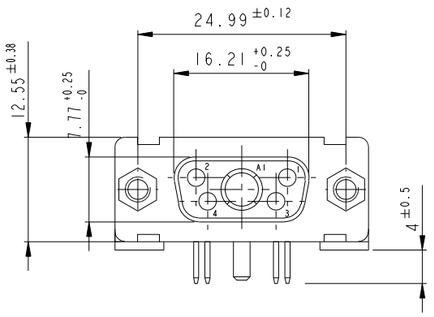
PDM: Rev:E STATUS: Released Printed: Oct 01, 2010

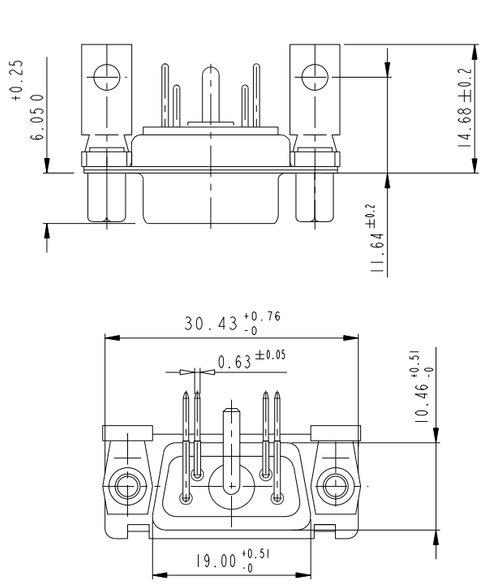
5W1

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1





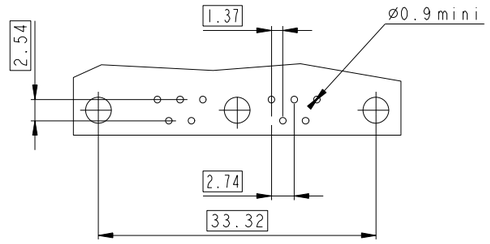


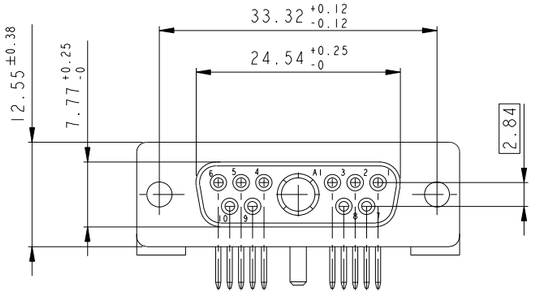
Floating signal contacts

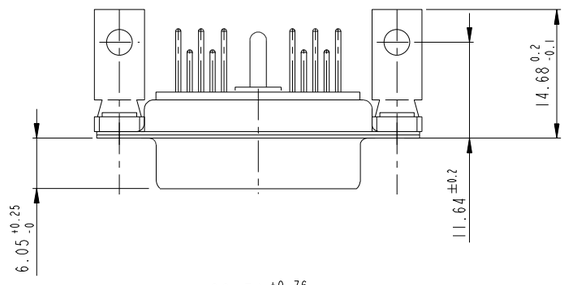
11W1

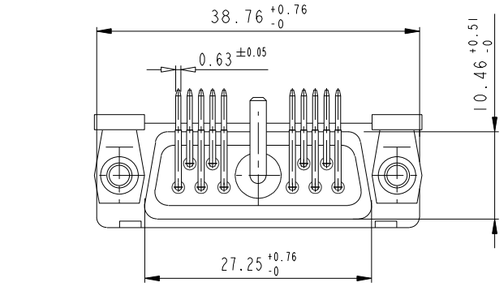
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1





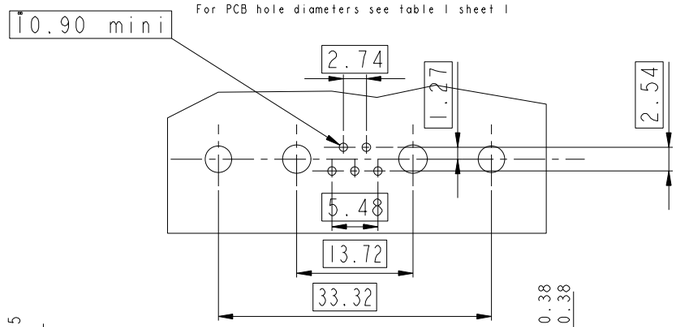


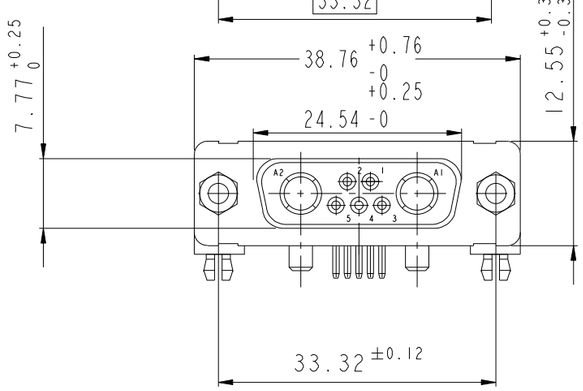


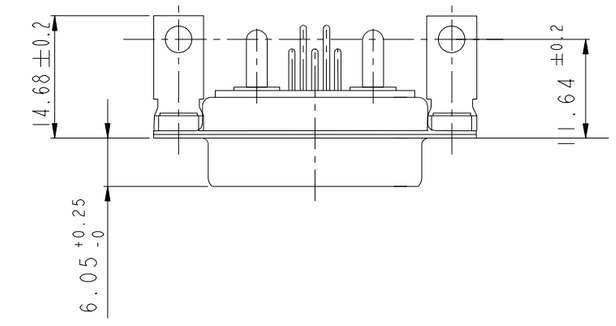
7W2

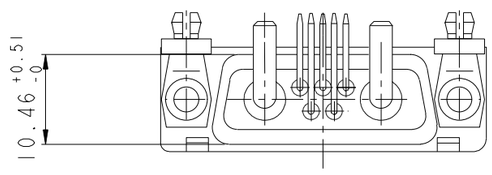
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



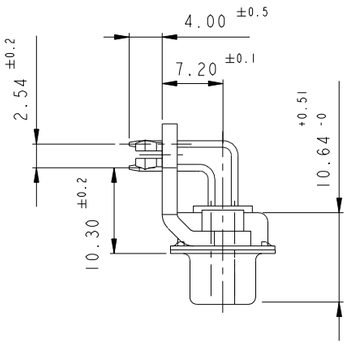




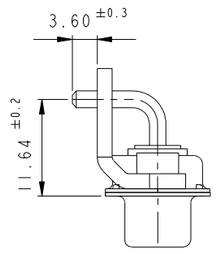


SIDE VIEW FOR ALL LAYOUTS (except size D)

VIEW WITHOUT POWERS CONTACTS



VIEW WITH POWERS CONTACTS



www.fciconnect.com			surface ISO 1302		tolerance std ISO 406 ISO 1101		projection	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	P LEGARE	2005-10-11			0.XX	±0.1		
Chr			0° ±2°		0.XXX	±0.05	ECN	F10-0060
Appr			Product family -				Spec ref	
title	SUB FEMALE DMW EUROPE mixed power right angled solder						dwg no C01-8639-2300	Rev. E
catalog no -							CUSTOMER	sheet 4 of 7

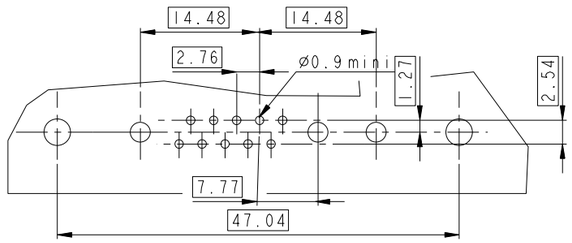
REV E - 2006-03-28

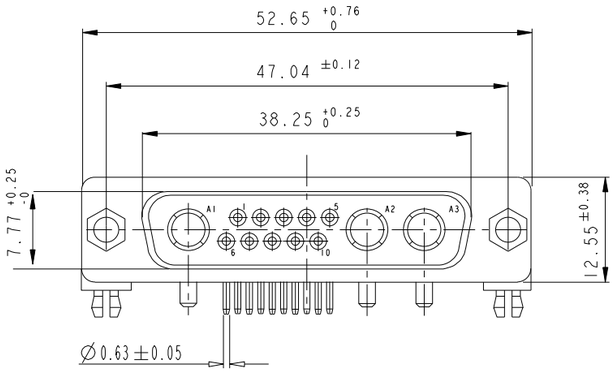
PDM: Rev:E STATUS:Released Printed: Oct 01, 2010

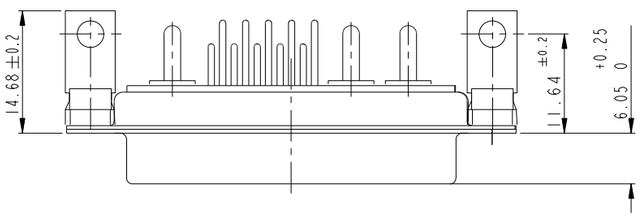
13W3

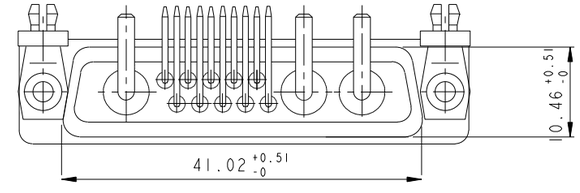
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1

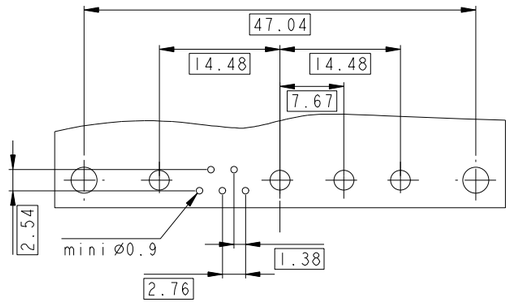






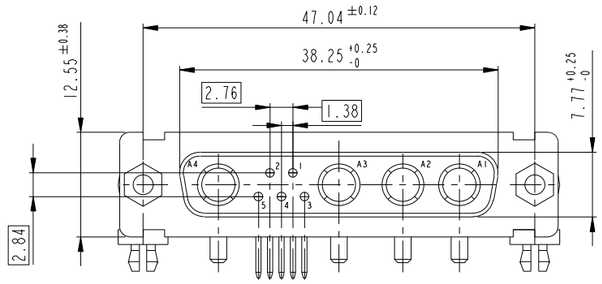


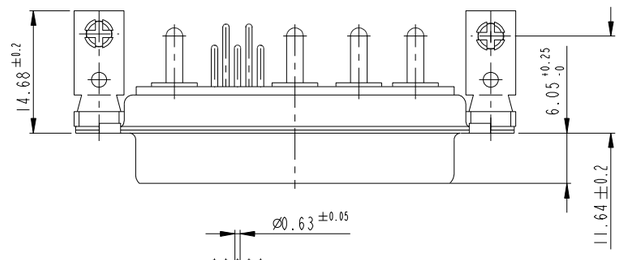
9W4

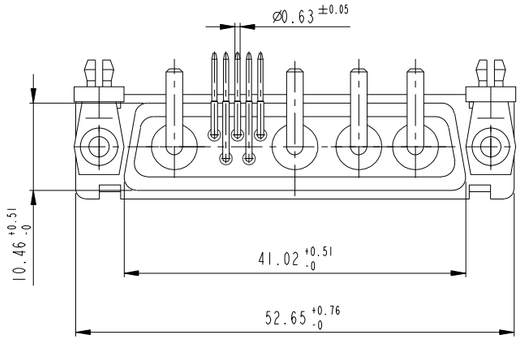


LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1





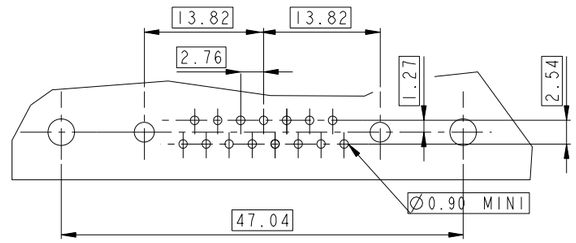


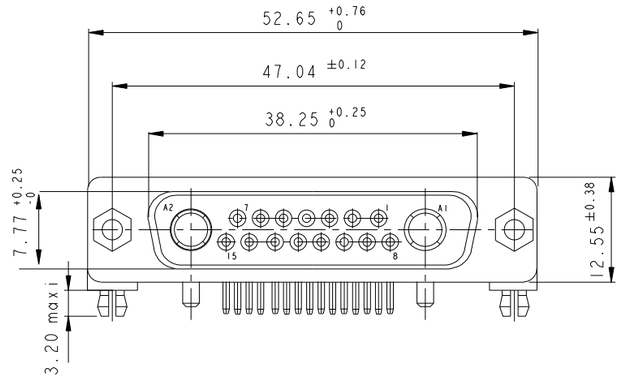
Floating signal contacts

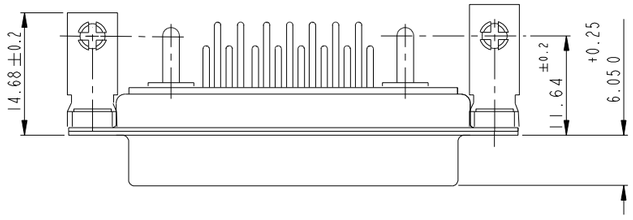
17W2

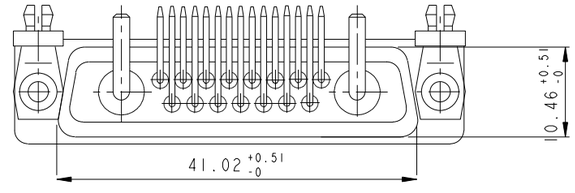
LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1









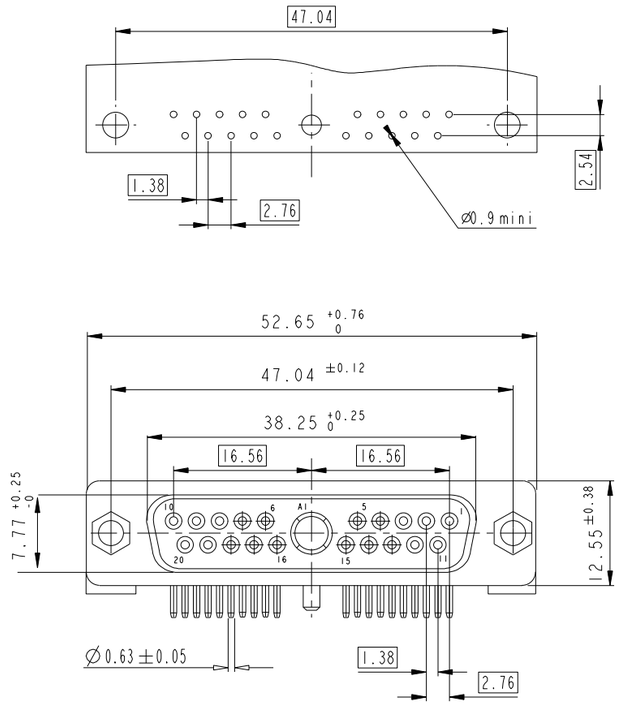
www.fciconnect.com			surface ISO 1302		tolerance std ISO 406 ISO 1101		projection	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	P LEGARE	2005-10-11			0.XX	±0.1		
Chr			0° ±2°		0.XXX	±0.05	ECN F10-0060	
Appr			Product family -				Spec ref	
title: SUB FEMALE DMW EUROPE mixed power right angled solder					dwg no: C01-8639-2300		Rev. E	
catalog no -					CUSTOMER		sheet 5 of 7	

REV E - 2006-03-28

21W1

LAYOUT AND CONNECTOR DIMENSIONS

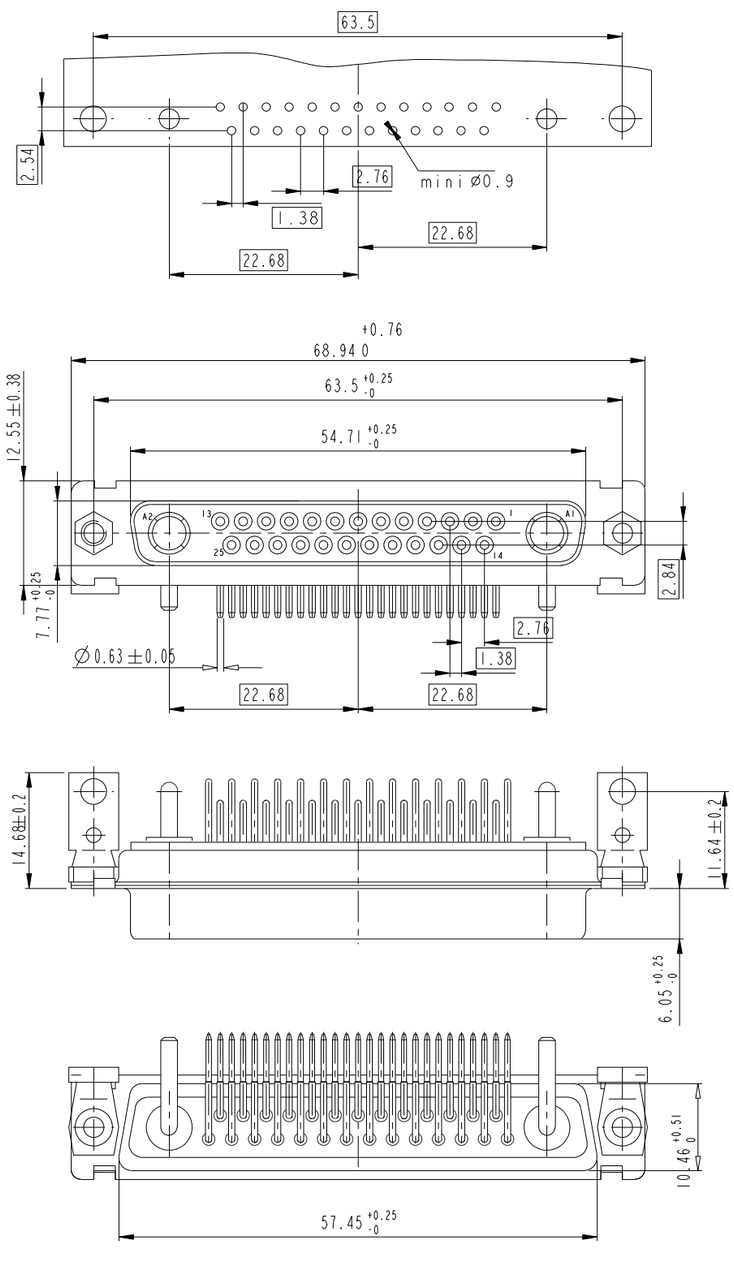
For PCB hole diameters see table 1 sheet 1



27W2

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



www.fciconnect.com			surface ISO 1302	-	tolerance std ISO 406 ISO 1101		projection	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED								
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	P LEGARE	2005-10-11			0.XX	±0.1		
Chr			0° ±2°		0.XXX	±0.05	ECN	F10-0060
Appr			Product family		-		Spec ref	
title	SUB FEMALE DMW EUROPE mixed power right angled solder						dwg no	C01-8639-2300 Rev. E
catalog no	-						CUSTOMER	sheet 6 of 7

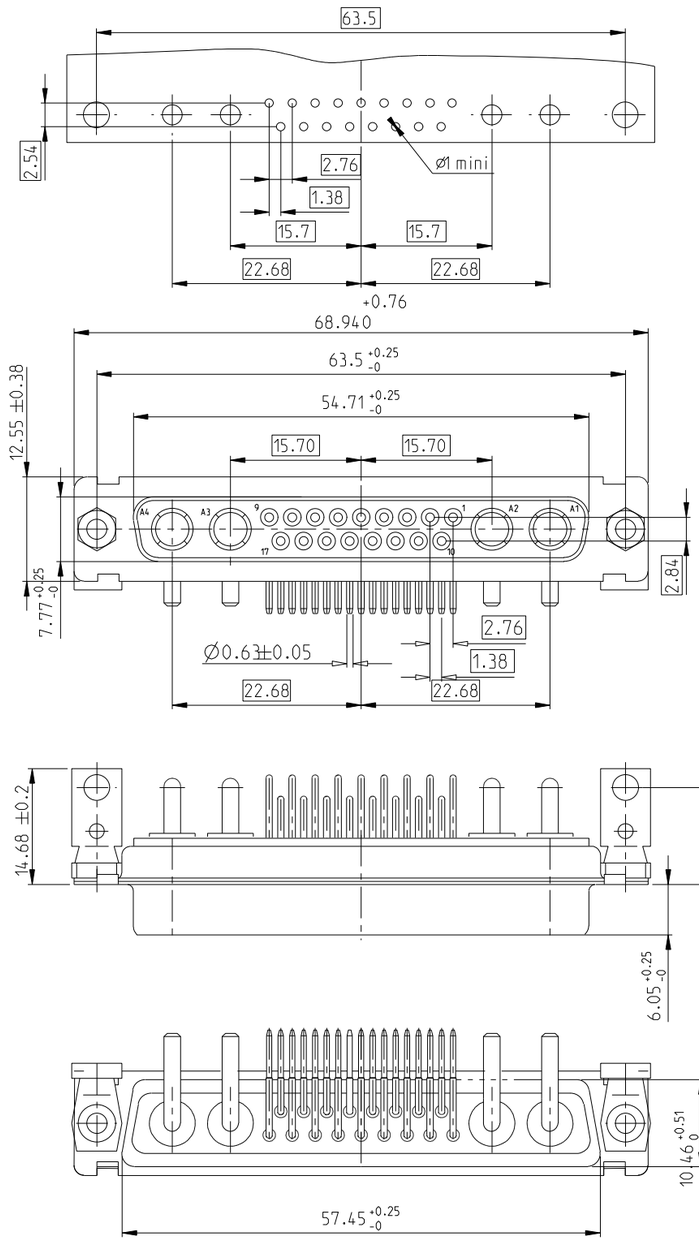
REV E - 2006-03-28

PDM: Rev:E STATUS: Released Printed: Oct 01, 2010

21W A4

LAYOUT AND CONNECTOR DIMENSIONS

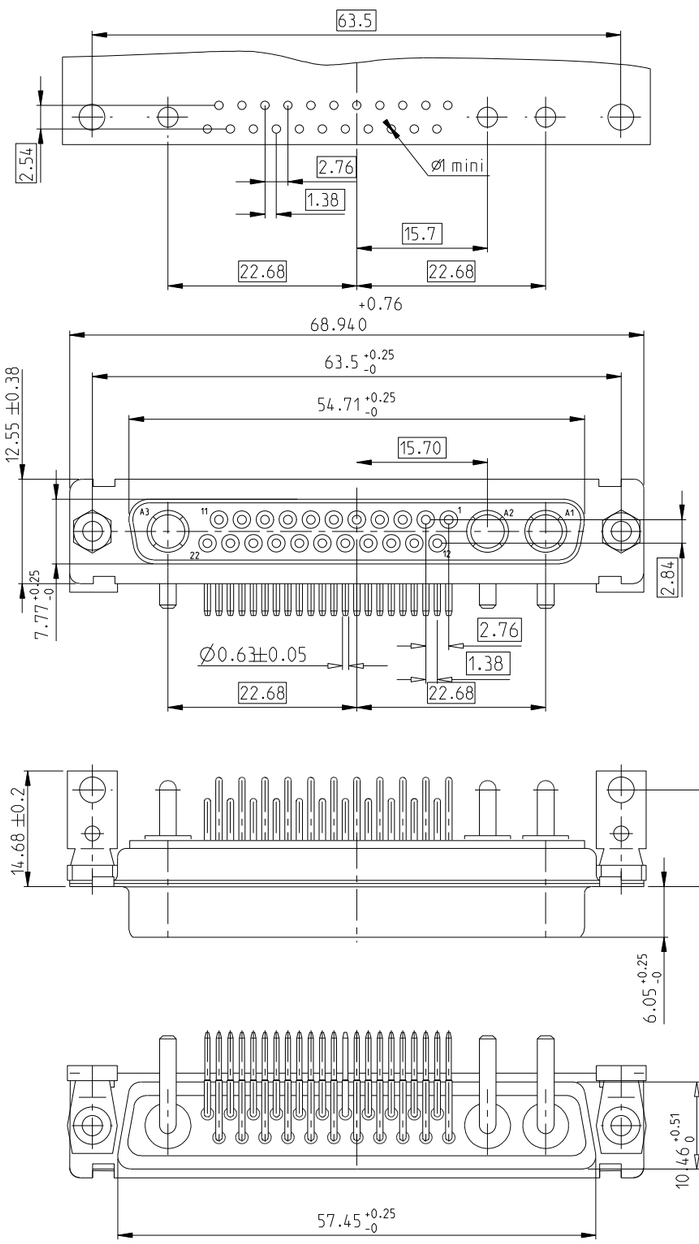
For PCB hole diameters see table 1 sheet 1



25W 3

LAYOUT AND CONNECTOR DIMENSIONS

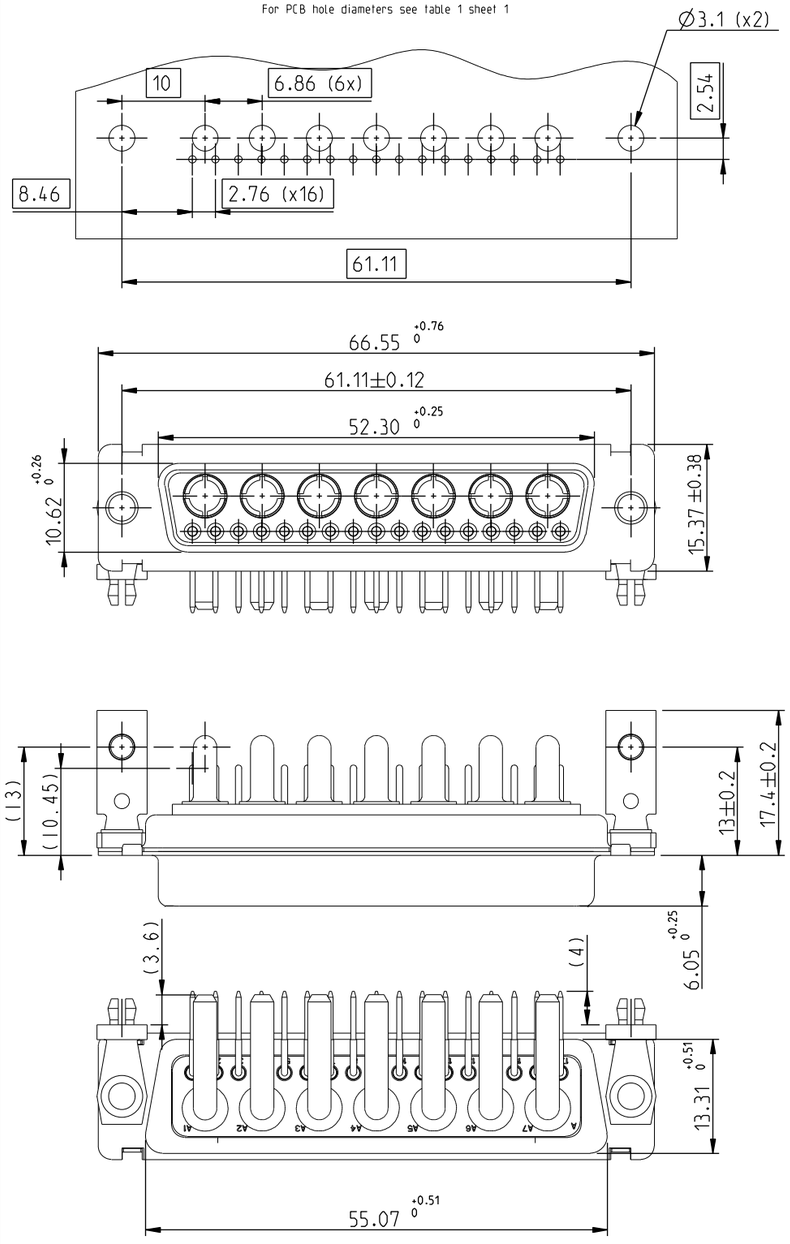
For PCB hole diameters see table 1 sheet 1



24W 7

LAYOUT AND CONNECTOR DIMENSIONS

For PCB hole diameters see table 1 sheet 1



www.fciconnect.com			surface - ISO 1302		tolerance std ISO 406 ISO 1101		projection	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size A2	Scale 2:1
Eng	P LEGARE	2005-10-11			0.XX	±0.1		
Chr			0° ±2°		0.XXX	±0.05	ECN	F10-0060
Appr			Product family		-		Spec ref	
FCI	title: SUB FEMALE DMW EUROPE mixed power right angled solder				dwg no: C01-8639-2300		Rev.	E
	catalog no	-	CUSTOMER				sheet 7 of 7	

REV E - 2006-03-28

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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- *Входной контроль качества.*
- *Наличие сертификата ISO.*

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