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**FCI**

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REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC / STANDARD MATERIAL
- CONTACT MATERIAL: PHOSPHOR BRONZE (FEMALE SIGNAL CONTACT )  
BRASS (PIN SIGNAL CONTACT )  
BRASS (POWERS CONTACT)
- ACCESSORIES: BRASS TIN LEAD OVER NICKEL
- SHELLS: STEEL BRIGHT TIN LEAD

ELECTRICAL CHARACTERISTICS

- NOMINAL CURRENT: 7.5A (STANDARD CONDITIONS)
- CONTACT RESISTANCE: <7.3mΩ
- CONTACT/CONTACT : >=1000 V
- CONTACT/GROUND : >=1200 V
- INSULATION RESISTANCE: >=5000 MΩ

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/21  
TEMPERATURE RANGE -55°C TO +125°C  
DAMP HEAT STEADY STATE 21 DAYS  
SALT SPRAY 24 HOURS

MECHANICAL CHARACTERISTICS

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

CONTACT PLATING FOR TIN LEAD VERSION

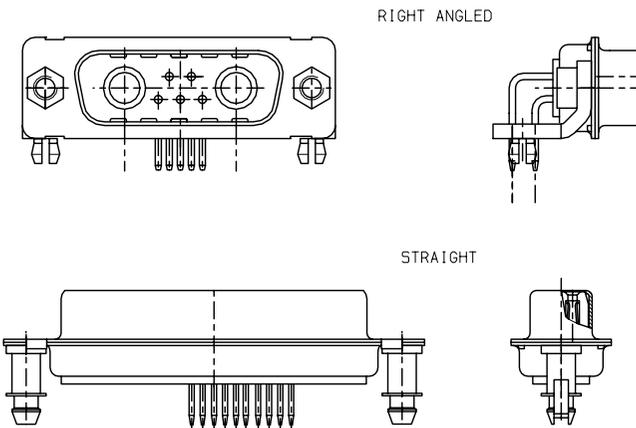
- SIGNAL CONTACT:
- GOLD OVER NICKEL ON MATING AREA
  - TIN LEAD OVER NICKEL ON TERMINATION PARTS

CONTACT PLATING FOR LEAD FREE VERSION

NOTE RoHS INFORMATION

- The "LF" products meet european union Directives and other country regulations as described in 65-22-008.
- The housing will withstand 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
  - Shell plating :2 to 4µmCu + 3 to 10µm Sn(pure bright)
  - Accessories: Sn pure bright
- Packaging spec: See 65-14-920

		ACCESSORIES
500 Mating/unmating - gold contact area	D*****43***	∅3.10
200 Mating/unmating - gold contact area	D*****00***	
500 Mating/unmating - gold contact area	D*****43***	PCB HOLE tin lead
200 Mating/unmating - gold contact area	D*****00***	
PROTECTION	PART NUMBER	



ltr	ecn no	dr	date
A	L505-0039	LG0	02/05/05
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

<b>FCI</b> www.fciconnect.com		ISO 1302	tolerance ISO 406 ISO 1101	projection 	mm 
Dr	GOISNARD	02/05/05	Product family	D-SUB	size
Eng	PESSON	02/05/05	Spec ref	-	Scale
Chr	LEGARE	02/05/05	Material	-	ECN
Appr	LEGARE	02/05/05			L505-0039
title			SUB RA & STRAIGHT		dwg no C01-8639-0003
			GENERAL CHARACTERISTICS		
catalog no			- CUSTOMER COPY		Rev. A
					sheet 1 of 1

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC UL94V0  
 -CONTACT MATERIAL: BRASS

-ACCESSORIES: BRASS  
 -SHELLS: STEEL

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A  
 -CONTACT RESISTANCE: <= 7.3 m ohms  
 -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.
- Termination plating spec:  
 Ni + Gold
- Active area plating spec:  
 Ni + Gold
- Shell plating :2 to 4µm Cu + Ni + 3 to 10µmm Sn,pure bright
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920

# DBL13W3P043A00LF

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

Layout of contacts (see sheet 3) ←

Contacts ←

- P** :Pin

Plating ←

- Blank** signal solder bucket 200 matings/unmatings
- 043** signal solder bucket 500 matings/unmatings

PCB accessory definition ←

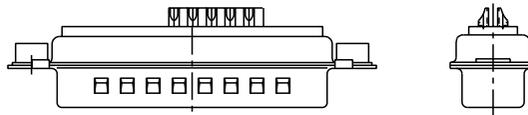
- A** without accessory on PCB

Power contacts ←

- 00** without power contact

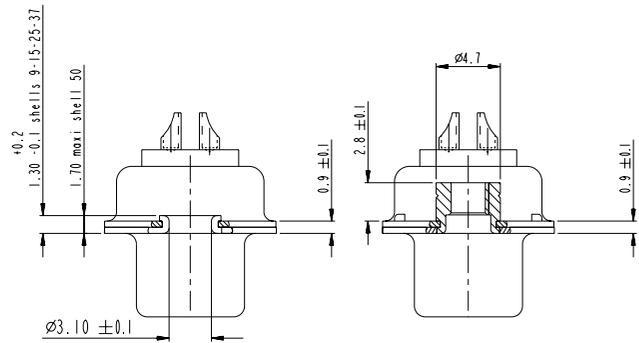
See note RoHS

13W3 FOR EXAMPLE



www.fciconnect.com				surface	tolerance std	projection	mm
				ISO 1302	ISO 406 ISO 1101	⊕	←
				TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.xx ±0.3	size	Scale
Eng	P LEGARE	2005-10-11	0° ±2°	0.xxx ±0.05	A2	2:1	
B	LS06-0208	LGO	2006-12-13	Appr	Product family	ECN	LS07-0273
C	LS07-0173	MPE	2007-06-18	- Spec ref			
D	LS07-0273	MPE	2007/10/31				
FCI				SUB MALE DW		dwg no	Rev.
				mixed power+solder bucket		C01-8639-2307	D
catalog no				CUSTOMER		sheet 1 of 7	

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FRONT ACCESSORY	<b>Blank</b> without	<b>L</b> insert M3	<b>O</b> insert UNC 4.40
PCB ACCESSORIES	<b>A</b> without	<b>A</b> without	

PART NUMBER	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxPA00LF	200	without	without
D*LxWxPA00LF	200	insert M3	without
D*OxWxPA00LF	200	insert UNC 4.40	without
D*xWxP043A00LF	500	without	without
D*LxWxP043A00LF	500	insert M3	without
D*OxWxP043A00LF	500	insert UNC 4.40	without

shell size	LAYOUTS
#	xWx
E	5W1
A	11W1
A	7W2
B	21W1
B	17W2
B	13W3
B	9W4
C	25W3
C	21W4
C	27W2
D	47W1
D	24W7
D	36W4

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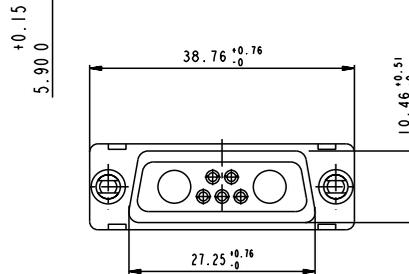
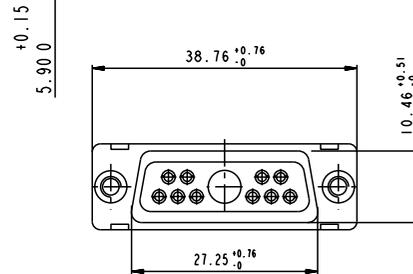
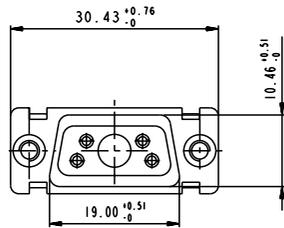
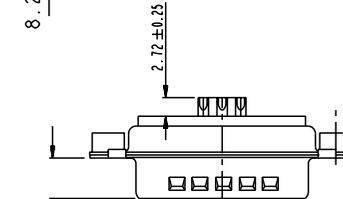
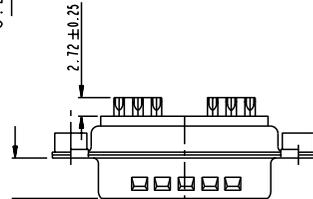
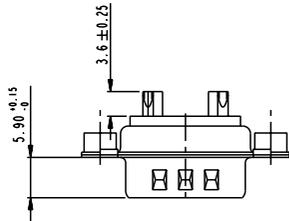
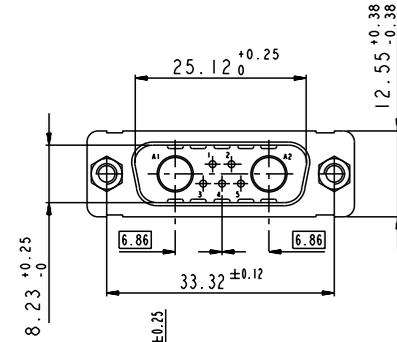
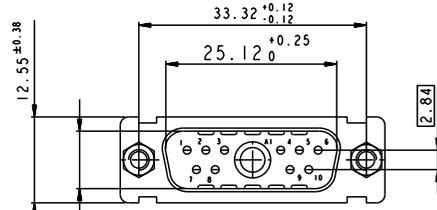
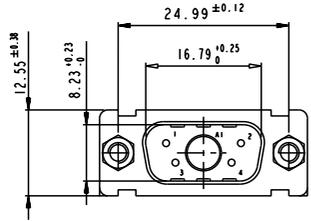
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Eng	P LEGARE	2005-10-11	0.x ±0.3	0.xx ±0.1	ECN LS07-0273
Chr			0.xxx ±0.05		
Appr			Product family	-	Spec ref
FCJ		SUB MALE DW		dwg no	Rev.
		mixed power+solder bucket		C01-8639-2307	D
		catalog no		CUSTOMER	sheet 2 of 7

SCALE: 4

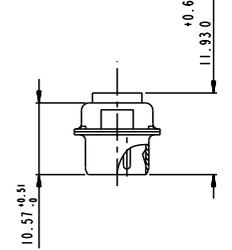
5W1

11W1

7W2



SIDE VIEW FOR LAYOUTS: E A B C



Floating signal contacts

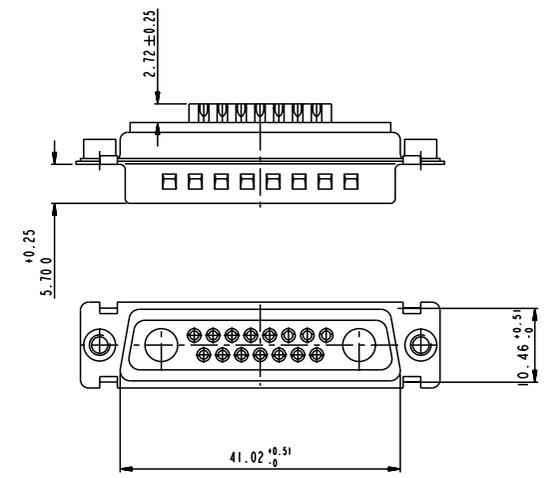
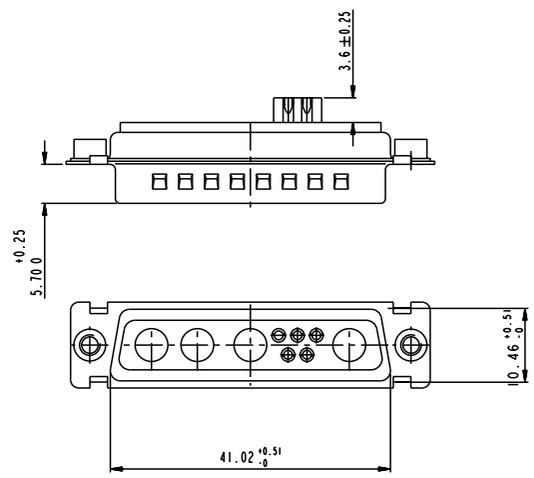
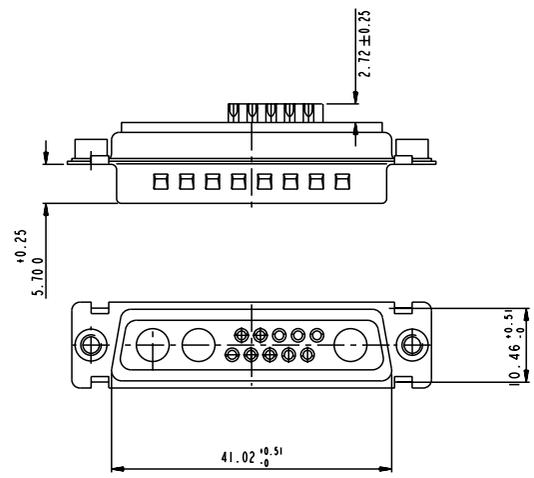
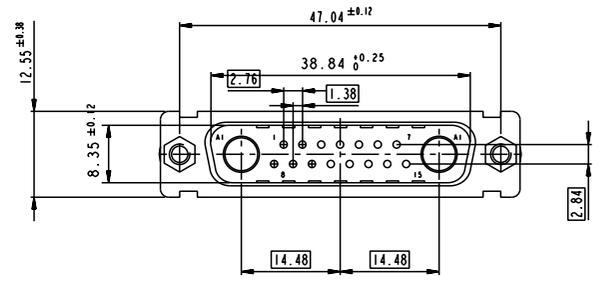
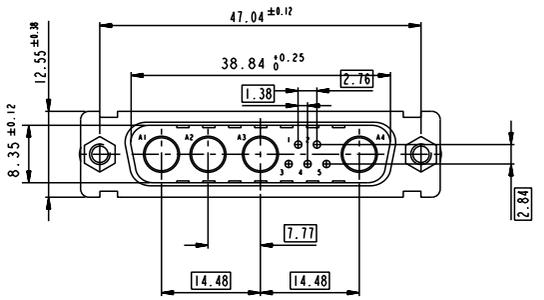
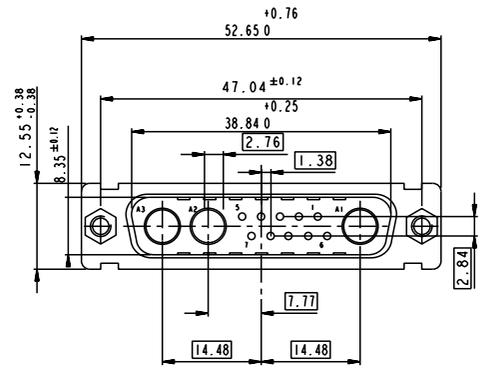
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		TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.X	±0.3	size	A2
Eng	P LEGARE	2005-10-11	0°	±2°	0.XX	±0.1	ECN	LS07-0273
Chr					0.XXX	±0.05	Product family	- Spec ref
Appr								
		<b>TITLE</b> SUB MALE DW mixed power+solder bucket catalog no		dwg no C01-8639-2307		Rev. D		CUSTOMER sheet 3 of 7

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13W3

9W4

17W2

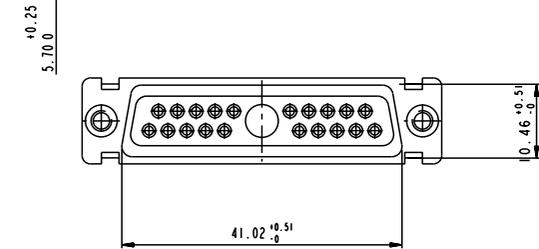
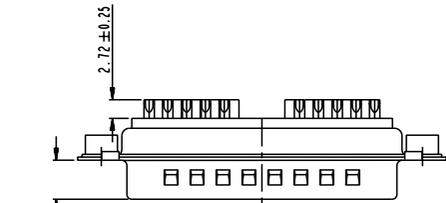
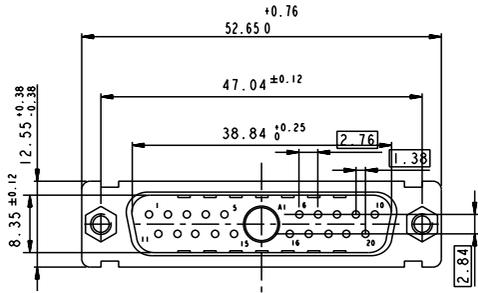


Floating signal contacts

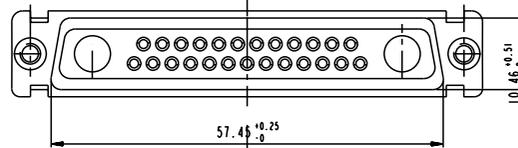
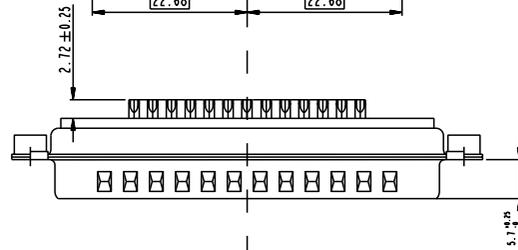
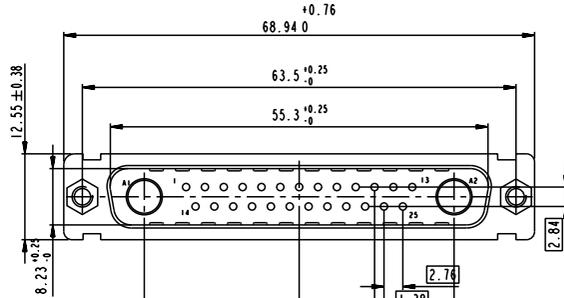
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www.fciconnect.com			surface	tolerance std	projection	mm
			ISO 1302	ISO 406 ISO 1101		
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2005-10-11	ANGULAR	0.X	±0.3	size A2
Eng	P LEGARE	2005-10-11	LINEAR	0.XX	±0.1	Scale 2:1
Chr			0° ±2°	0.XXX	±0.05	ECN LS07-0273
Appr			Product family	- Spec ref		
		SUB MALE DW		dwg no	C01-8639-2307	
		mixed power+solder bucket		Rev.	D	
catalog no				CUSTOMER	sheet 4 of 7	

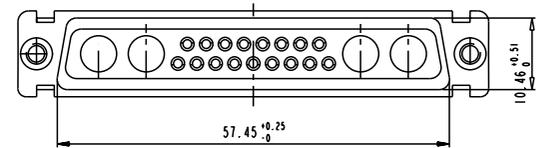
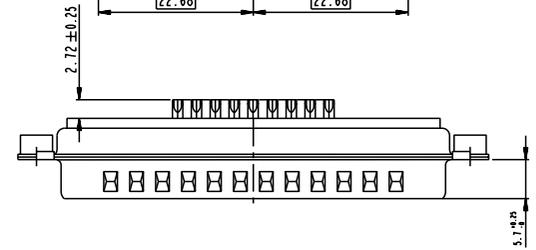
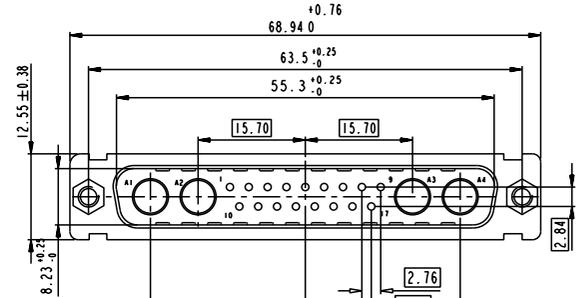
21W1



27W2



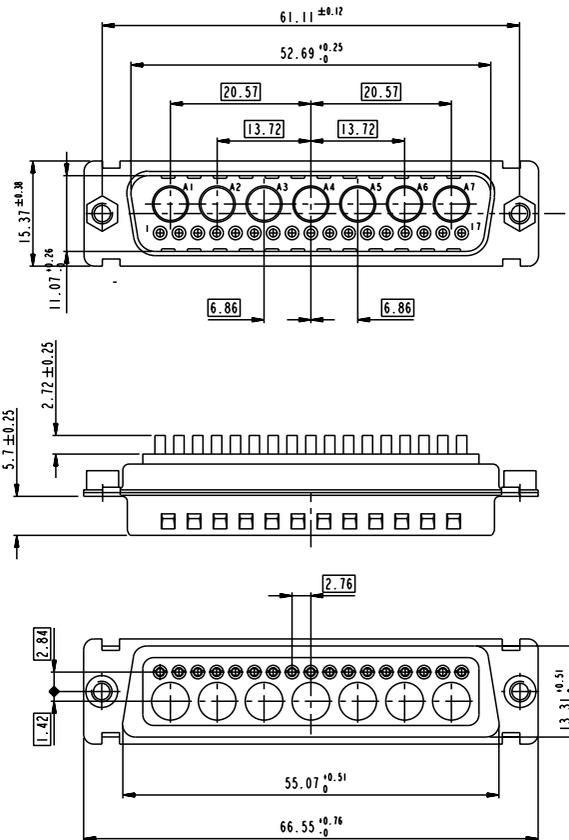
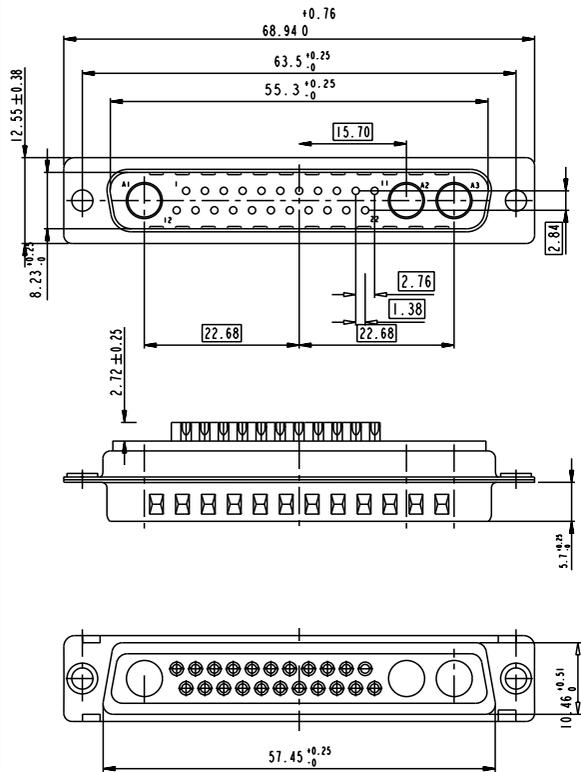
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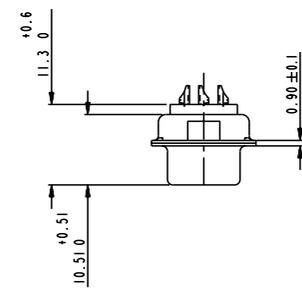
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		TOLERANCES UNLESS OTHERWISE SPECIFIED		<input checked="" type="checkbox"/>	
Dr M PESSON	2005-10-11	ANGULAR	0.X ±0.3	size A2	Scale 2:1
Eng P LEGARE	2005-10-11	LINEAR	0.XX ±0.1	ECN	LS07-0273
Chr		0° ±2°	0.XXX ±0.05	Product family	Spec ref
Appr					
		<b>TITLE</b> SUB MALE DW mixed power+solder bucket		dwg no C01-8639-2307	Rev. D
catalog no		CUSTOMER		sheet 5 of 7	

25W3

24W7



SIDE VIEW FOR LAYOUT: D

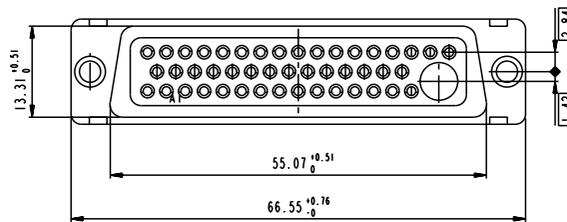
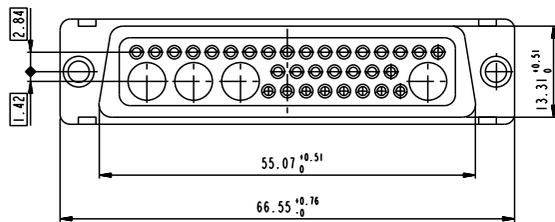
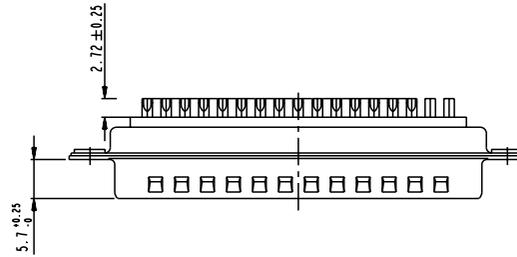
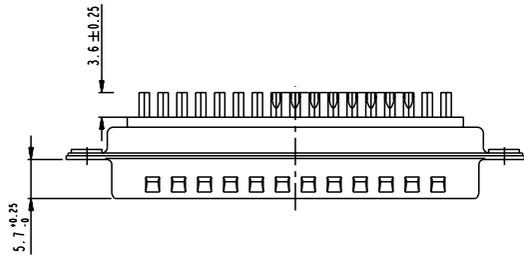
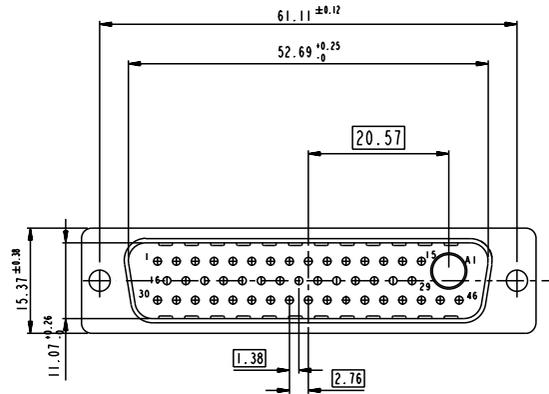
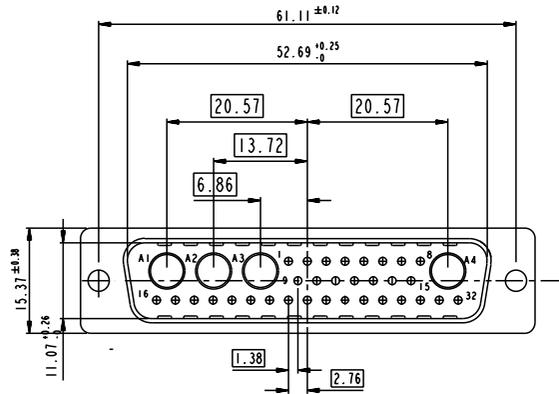


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www.fciconnect.com			surface - ✓	tolerance std ISO 1302	ISO 406	ISO 1101	projection	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED				⊕	mm
Dr	M PESSON	2005-10-11	ANGULAR	LINEAR	0.xx	±0.3	size	A2
Eng	P LEGARE	2005-10-11	0°	±2°	0.xxx	±0.1	ECN	LS07-0273
Chr			Product family		- Spec ref			
Appr								
FCJ			SUB MALE DW			dwg no		Rev.
			mixed power+solder bucket			C01-8639-2307		D
catalog no			CUSTOMER			sheet 6 of 7		

36W4

47W1



Floating signal contacts

www.fciconnect.com			surface - ✓	tolerance std ISO 1302 - ✓ ISO 406 ISO 1101	projection ⊕	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2005-10-11	ANGULAR	0.X ±0.3	size	Scale
Eng	P LEGARE	2005-10-11	LINEAR	0.XX ±0.1	A2	2:1
Chr			Ø ±2'	0.XXX ±0.05	ECN	LS07-0273
Appr			Product family		Spec ref	
FCJ			SUB MALE DW		dwg no	Rev.
			mixed power+solder bucket		C01-8639-2307	D
catalog no					CUSTOMER	sheet 7 of 7