

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: 30A or 40A
- 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 24 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 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:
 - Ni 1.27µm+Sn 2.5 to 7.5µ(pure bright)
- Active area plating spec:
 - Ni + Gold
- Shell plating :2 to 4µm Cu + 3 to 10µmm Sn(pure bright)
- Accessories: Sn pure bright
- Packaging spec: See GS-14-920

Series

DBL5W5P300G30LF

Shell size: **E A B C**

see sheet 2

Front accessory definition
see sheet 2

- L** : threaded insert M3
- O** : threaded insert UNC 4-40
- V** : female screw UNC 4-40
- I** : female screw M3

Layout of contacts (see sheet 3)

Contacts

P : Pin

Termination type

3 Straight version

Plating

- 00** 200 matings/unmatings
- 43** 500 matings/unmatings

PCB accessories definition
see sheet 2

H : harpoons for PCB 2.40mm

G : harpoons for PCB 1.60mm

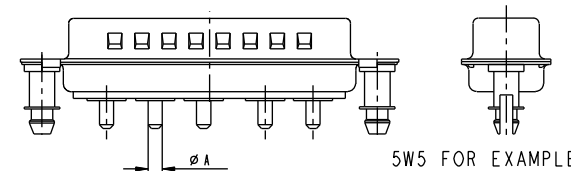
Power contacts

- 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
30 A	2.00	ø2.40	ø3.10
40 A	2.80	3.10	
Max current power	øA +0.1 0	PCB HOLE +/-0.1	PCB HOLE +/-0.1



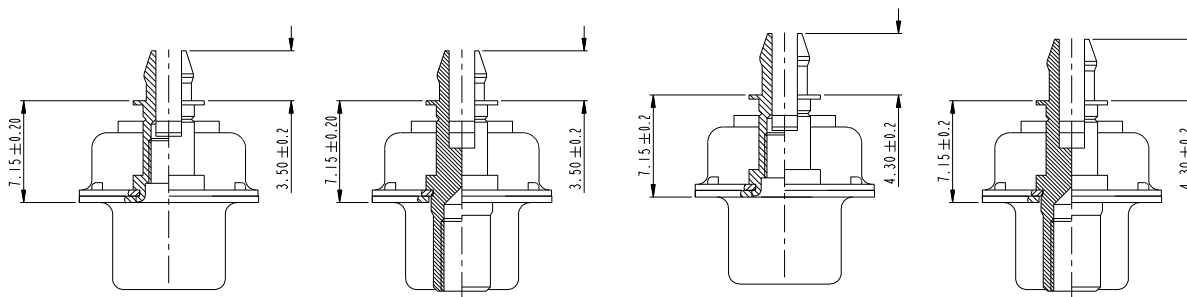
www.fciconnect.com		surface	tolerance std	projection	mm
		ISO 1302	ISO 406 ISO 1101	mm	
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2005-10-11	ANGULAR	0.X	±0.3
Eng	P LEGARE	2005-10-11	LINEAR	0.XX	±0.1
Chr				0° ±2°	0.XXX ±0.05
Appr			Product family	ECN	F09-0092
				Spec ref	

rev	ecn no	dr	date	title	sub	male	dw	ang no	Rev.
A	LS05-0113	MPE	2005-10-11	SUB MALE DW				C01-8639-2314	G
B	LS06-0208	LGO	2006-12-13	full power straight solder					
C	LS07-0165	MPE	2007-06-14						
D	LS07-0213	MPE	2007-11-05						
E	LS09-0027	MPE	2009-01-21						
F	F09-0063	LSA	2009-07-15						
G	F09-0092	LSA	2009-09-16						

PDM-Rev:G

STATUS Released

CUSTOMER Printed: Apr 28, 2015



FRONT ACCESSORY	L insert M3 O insert UNC 4.40	V Female screw UNC 4.40 I Female screw M3	L insert M3 O insert UNC 4.40	V Female screw UNC 4.40 I Female screw M3
PCB ACCESSORIES	G Harpoon for PCB 1.60mm	G Harpoon for PCB 1.60mm	H Harpoon for PCB 2.40mm	H Harpoon for PCB 2.40mm

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*LxWxP300G30LF	30	200	insert M3	harpoon PCB 1.60mm
D*OxWxP300G30LF	30	200	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxP300G30LF	30	200	female screw UNC 4.40	harpoon PCB 1.60mm
D*IxWxP300G30LF	30	200	female screw M3	harpoon PCB 1.60mm
D*LxWxP300H30LF	30	200	insert M3	harpoon PCB 2.40mm
D*OxWxP300H30LF	30	200	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxP300H30LF	30	200	female screw UNC 4.40	harpoon PCB 2.40mm
D*IxWxP300H30LF	30	200	female screw M3	harpoon PCB 2.40mm
D*LxWxP300G40LF	40	200	insert M3	harpoon PCB 1.60mm
D*OxWxP300G40LF	40	200	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxP300G40LF	40	200	female screw UNC 4.40	harpoon PCB 1.60mm
D*IxWxP300G40LF	40	200	female screw M3	harpoon PCB 1.60mm
D*LxWxP300H40LF	40	200	insert M3	harpoon PCB 2.40mm
D*OxWxP300H40LF	40	200	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxP300H40LF	40	200	female screw UNC 4.40	harpoon PCB 2.40mm
D*IxWxP300H40LF	40	200	female screw M3	harpoon PCB 2.40mm

shell size *
E 2V2
A 3V3
A 3W3
B 5W5
C 8W8

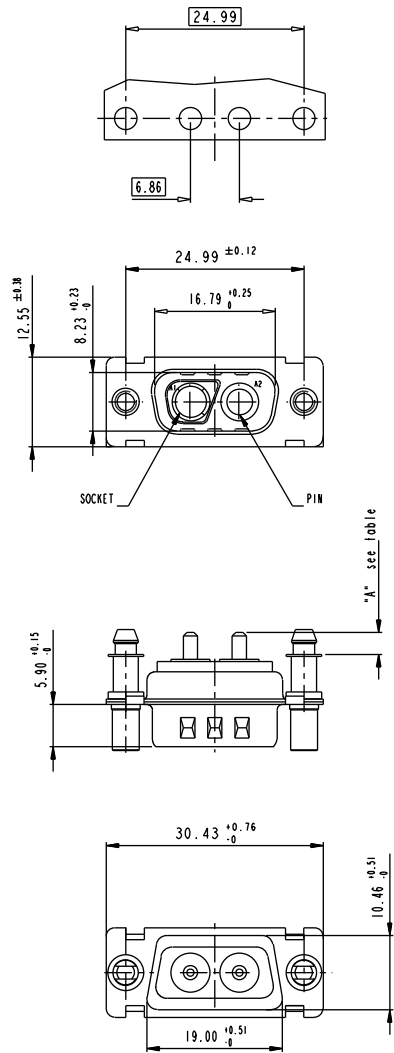
PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*LxWxP343G30LF	30	500	insert M3	harpoon PCB 1.60mm
D*OxWxP343G30LF	30	500	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxP343G30LF	30	500	female screw UNC 4.40	harpoon PCB 1.60mm
D*IxWxP343G30LF	30	500	female screw M3	harpoon PCB 1.60mm
D*LxWxP343H30LF	30	500	insert M3	harpoon PCB 2.40mm
D*OxWxP343H30LF	30	500	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxP343H30LF	30	500	female screw UNC 4.40	harpoon PCB 2.40mm
D*IxWxP343H30LF	30	500	female screw M3	harpoon PCB 2.40mm
D*LxWxP343G40LF	40	500	insert M3	harpoon PCB 1.60mm
D*OxWxP343G40LF	40	500	insert UNC 4.40	harpoon PCB 1.60mm
D*VxWxP343G40LF	40	500	female screw UNC 4.40	harpoon PCB 1.60mm
D*IxWxP343G40LF	40	500	female screw M3	harpoon PCB 1.60mm
D*LxWxP343H40LF	40	500	insert M3	harpoon PCB 2.40mm
D*OxWxP343H40LF	40	500	insert UNC 4.40	harpoon PCB 2.40mm
D*VxWxP343H40LF	40	500	female screw UNC 4.40	harpoon PCB 2.40mm
D*IxWxP343H40LF	40	500	female screw M3	harpoon PCB 2.40mm

SCALE: 4

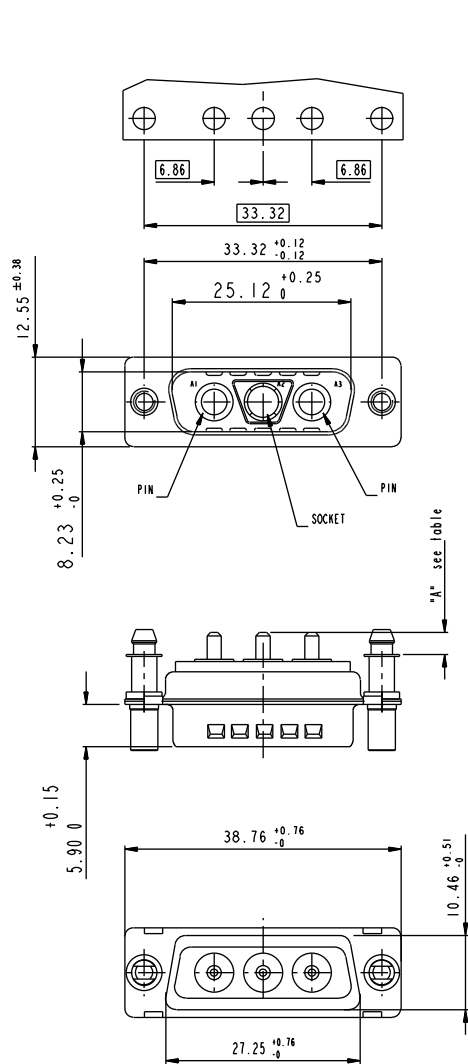
www.fciconnect.com		surface - ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2005-10-11	ANGULAR	0.X ±0.3	size A2
Eng	P LEGARE	2005-10-11	LINEAR	0.XX ±0.1	Scale 2:1
Chr			0° ±2°	0.XXX ±0.05	ECN F09-0092
Appr			Product family	-	Spec ref

	title SUB MALE DW full power straight solder	eng no C01-8639-2314	Rev G
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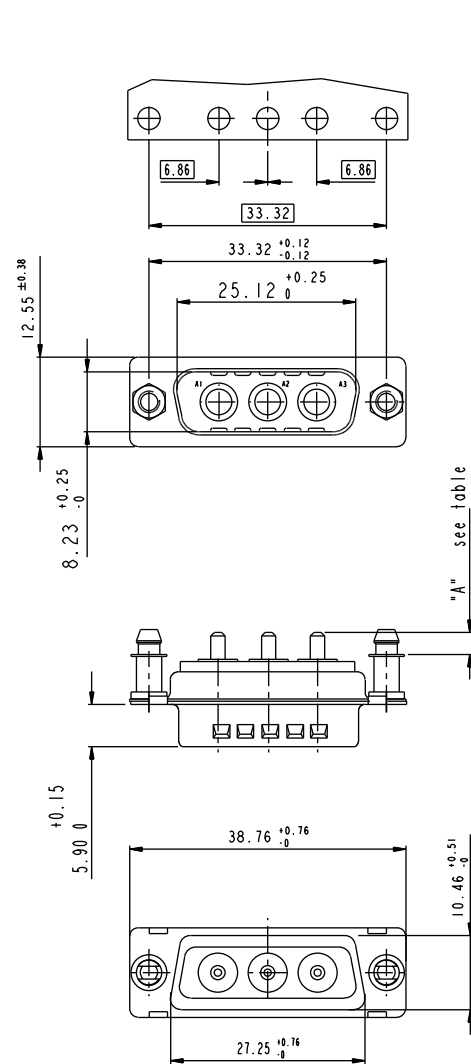
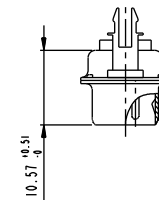
2V2

LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1

3V3

LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1

3W3

LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see table 1 sheet 1SIDE VIEW FOR
LAYOUTS: E A B C

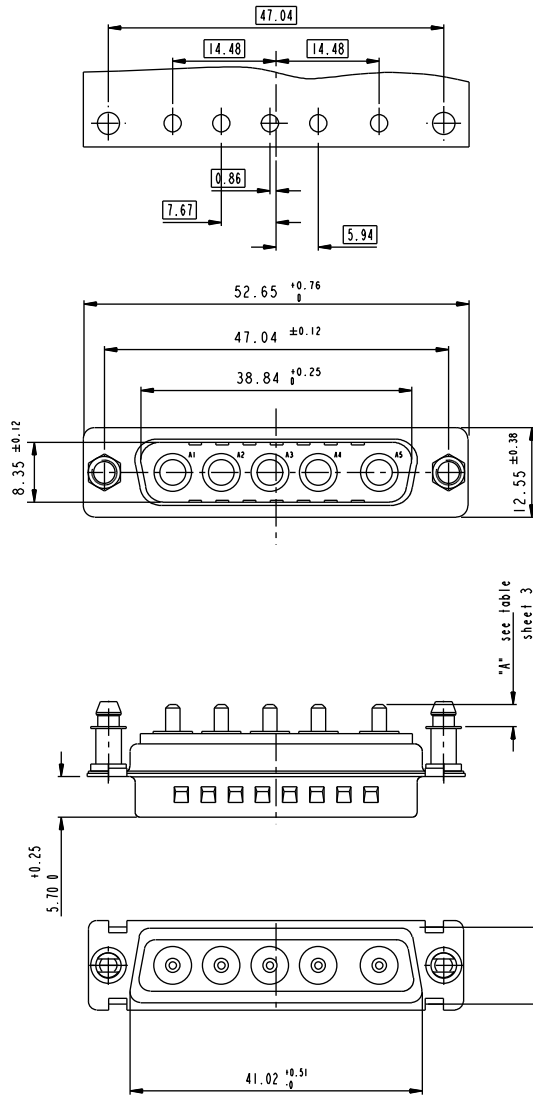
Cote "A"

30A	3.1 ± 0.25
40A	3.6 ± 0.25

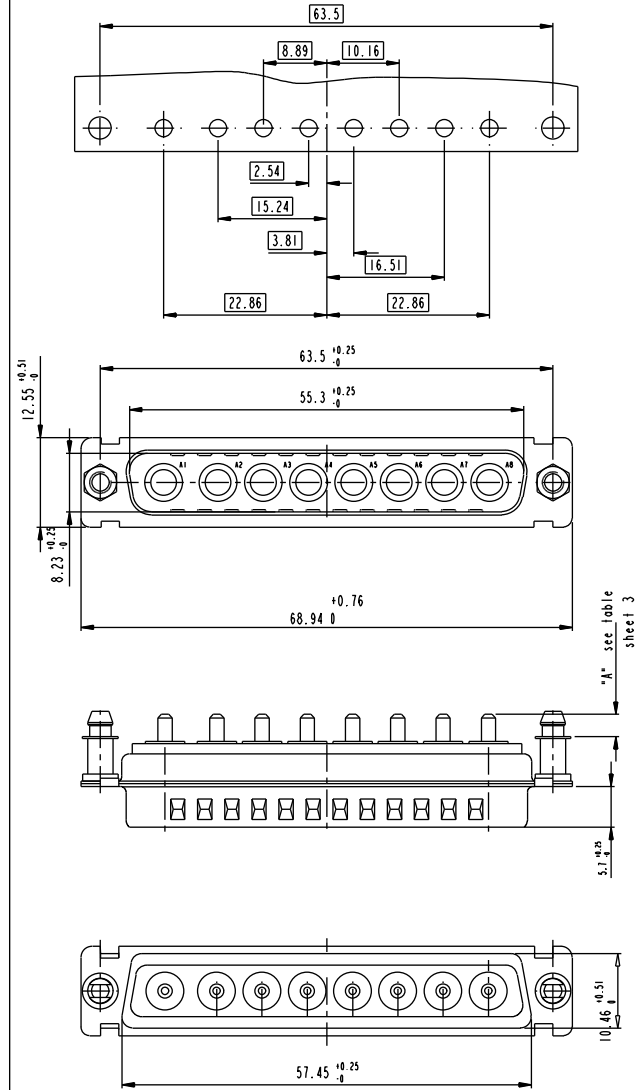
www.fciconnect.com		surface - ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size	Scale
Dr	M PESSON	2005-10-11	ANGULAR	0.X ± 0.3	A2 2:1
Eng	P LEGARE	2005-10-11	LINEAR	0.XX ± 0.1	
Chr			0" ± 2	0.XXX ± 0.05	ECN F09-0092
Appr			Product family	Spec ref	

FCI	title	SUB MALE DW	part no	C01-8639-2314	Rev.	G
	description	full power straight solder				

5W5 LAYOUT AND CONNECTOR DIMENSIONS For PCB hole diameters see table 1 sheet 1



8W8 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	size A2	Scale 2:1
		TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	M PESSON	2005-10-11	ANGULAR	0.X	±0.3	
Eng	P LEGARE	2005-10-11	LINEAR	0.XX	±0.1	
Chr			0° ±2°	0.XXX	±0.05	
Appr			Product family	-	ECN	F09-0092
				Spec ref		

	title	SUB MALE DW	part no	C01-8639-2314	Rev.
		full power straight solder			

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

DBL5W5P300G30LF	DAO3W3P300G40LF	DAO3W3P300H30LF	DAV3V3P300G40LF	DAV3V3P300H30LF
DBV5W5P343G30LF	DCV8W8P300H30LF	DEL2V2P300G30LF	DBV5W5P343H40LF	DCV8W8P343H40LF
DBV5W5P300G40LF	DBO5W5P343H40LF	DBV5W5P300H30LF	DAL3V3P343G30LF	DAL3W3P343G30LF
DAO3V3P300H30LF	DBO5W5P300G40LF	DEO2V2P343G30LF	DEV2V2P343H40LF	DAL3W3P300H30LF
DAV3W3P343G30LF	DBL5W5P343H40LF	DCO8W8P343G40LF	DCL8W8P343H40LF	DEO2V2P300G30LF
DEL2V2P300G40LF	DCO8W8P300H40LF	DEL2V2P343G30LF	DEV2V2P300H30LF	DAO3V3P343G30LF
DEL2V2P343G40LF	DBV5W5P343G40LF	DBL5W5P343G30LF	DEO2V2P300G40LF	DEO2V2P343H40LF
DBV5W5P343H30LF	DAO3V3P300H40LF	DAV3V3P343H40LF		