

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
- 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 7.5µm(pure bright)
- Active area plating spec:
 - Ni + Gold
- Shell plating :2 to 4µm Cu + Ni + 3 to 10µm Sn(pure bright)
- Accessories: Sn pure bright + Nickel
- Packaging spec: See GS-14-920

Series

DBL5W5S700G30LF

Shell size: **E A B C**
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 sheets)

Contacts

S :Socket

Termination type
7 Right angle/USA

Plating

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

PCB accessories definition
see sheet 2

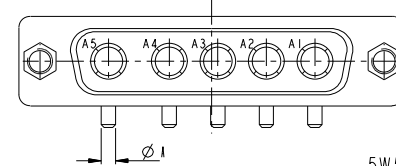
- A** :without accessory
- H** :Metal brackets+harpoons for PCB 2.40mm
- G** :Metal brackets+harpoons for PCB 1.60mm
- M** :Metal brackets

Power contacts

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

TABLE 1:PCB HOLE DIAMETERS

POWER CONTACTS			ACCESSORIES
30 A	Ø2.00	Ø2.40	Ø3.10
Max current power	ØA ^{+0.1} ₀	PCB HOLE +/-0.1	PCB HOLE +/-0.1



5W5 FOR EXAMPLE

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.XXX	±0.05
Appr			Product family	ECN	F09-0092
				Spec ref	

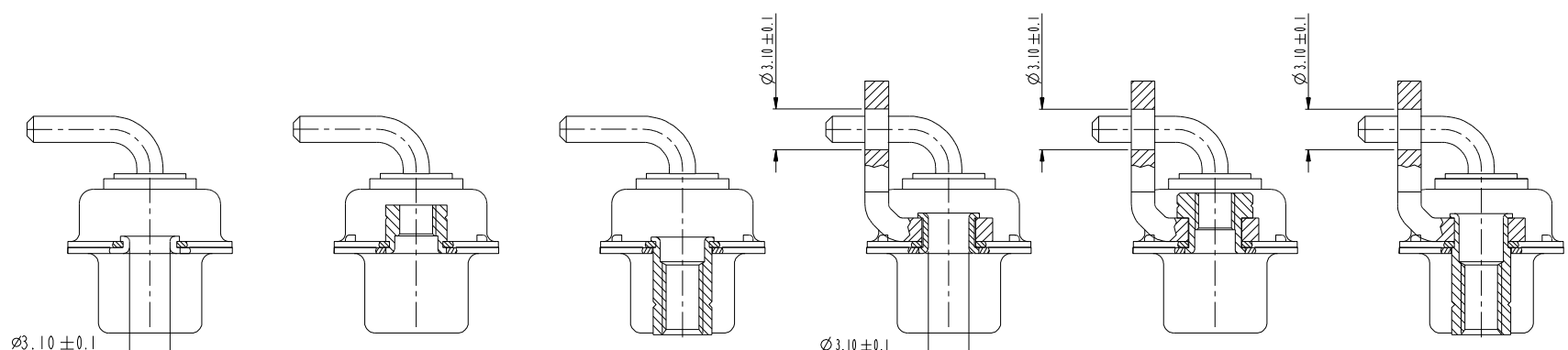
rev	ecn no	dr	date	title	sub	female dw	us foot print	customer	sheet 1 of 5
A	LS05-0113	WPE	2005-10-11	FCI	SUB	FEMALE DW	US foot print	C01-8639-2309	E
B	LS06-0208	LGO	2006-12-13						
C	LS07-0085	WPE	2007/03/21						
D	LS07-0213	WPE	2007/11/05						
E	F09-0092	LSA	2009/09/16						

PDM-REV-E

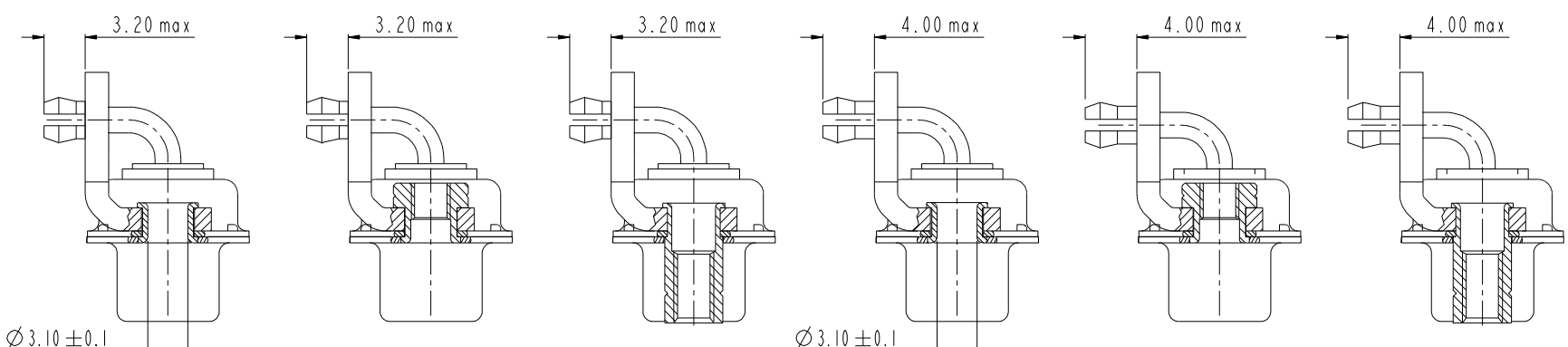
STATUS Released

Printed: Apr 28, 2015

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								



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		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		SUB FEMALE DW US foot print full power right angled solder		Rev. E

PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS700A30LF	30	200	without	without
D*LxWxS700A30LF	30	200	insert M3	without
D*OxWxS700A30LF	30	200	insert UNC 4.40	without
D*VxWxS700A30LF	30	200	female screw UNC 4.40	without
D*xWxS700H30LF	30	200	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS700H30LF	30	200	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS700H30LF	30	200	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS700H30LF	30	200	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS700G30LF	30	200	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS700G30LF	30	200	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS700G30LF	30	200	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS700G30LF	30	200	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS700M30LF	30	200	without	metal bracket
D*LxWxS700M30LF	30	200	insert M3	metal bracket
D*OxWxS700M30LF	30	200	insert UNC 4.40	metal bracket
D*VxWxS700M30LF	30	200	female screw UNC 4.40	metal bracket

shell size
#

LAYOUTS
xWx

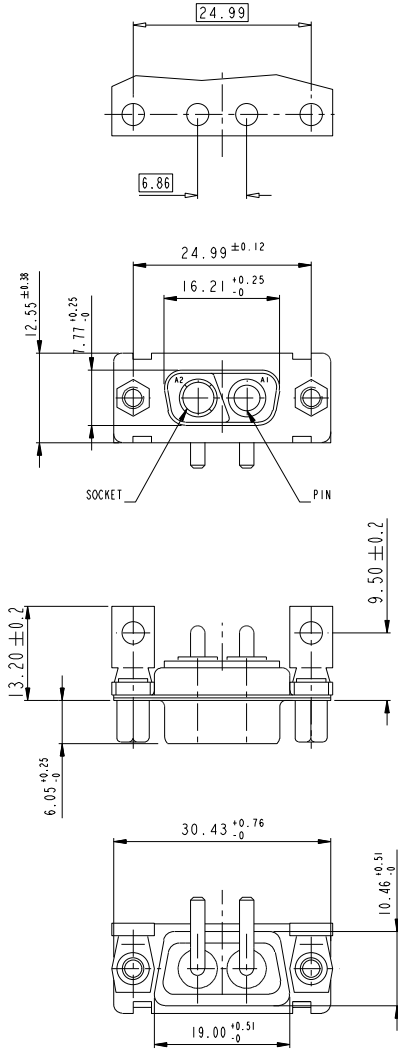
E
A
A
B
C

2V2
3V3
3W3
5W5
8W8

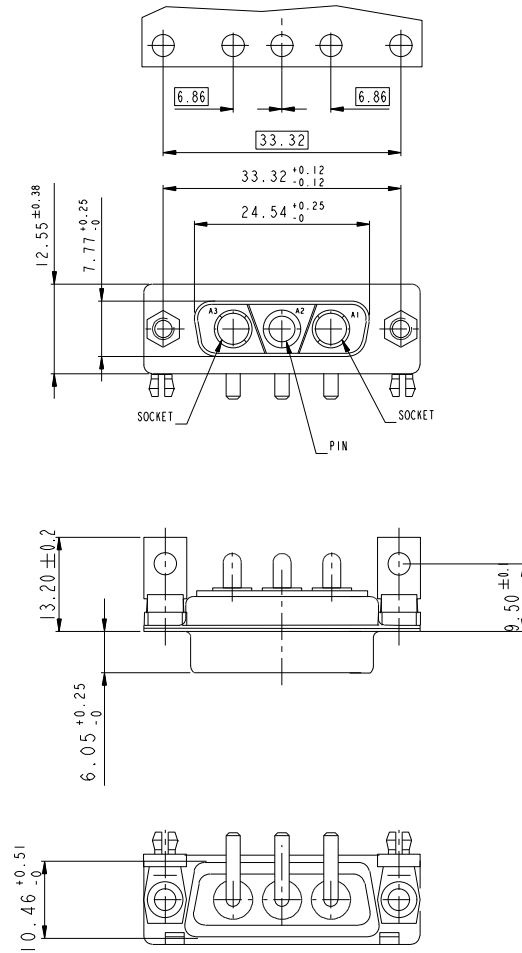
PART NUMBER	AMPS	MATINGS/ UNMATINGS	FRONT ACCESSORY	PCB ACCESSORIES
D*xWxS743A30LF	30	500	without	without
D*LxWxS743A30LF	30	500	insert M3	without
D*OxWxS743A30LF	30	500	insert UNC 4.40	without
D*VxWxS743A30LF	30	500	female screw UNC 4.40	without
D*xWxS743H30LF	30	500	without	metal bracket+harpoon PCB 2.40mm
D*LxWxS743H30LF	30	500	insert M3	metal bracket+harpoon PCB 2.40mm
D*OxWxS743H30LF	30	500	insert UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*VxWxS743H30LF	30	500	female screw UNC 4.40	metal bracket+harpoon PCB 2.40mm
D*xWxS743G30LF	30	500	without	metal bracket+harpoon PCB 1.60mm
D*LxWxS743G30LF	30	500	insert M3	metal bracket+harpoon PCB 1.60mm
D*OxWxS743G30LF	30	500	insert UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*VxWxS743G30LF	30	500	female screw UNC 4.40	metal bracket+harpoon PCB 1.60mm
D*xWxS743M30LF	30	500	without	metal bracket
D*LxWxS743M30LF	30	500	insert M3	metal bracket
D*OxWxS743M30LF	30	500	insert UNC 4.40	metal bracket
D*VxWxS743M30LF	30	500	female screw UNC 4.40	metal bracket

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	size A2
Eng	P LEGARE	2005-10-11	LINEAR	Scale 2:1
Chr			0° ±2°	ECN F09-0092
Appr			Product family	Spec ref
FCI		SUB FEMALE DW US foot print full power right angled solder		Rev. E
drawing no		C01-8639-2309		Sheet 3 of 5
CUSTOMER		Printed: Apr 28, 2015		

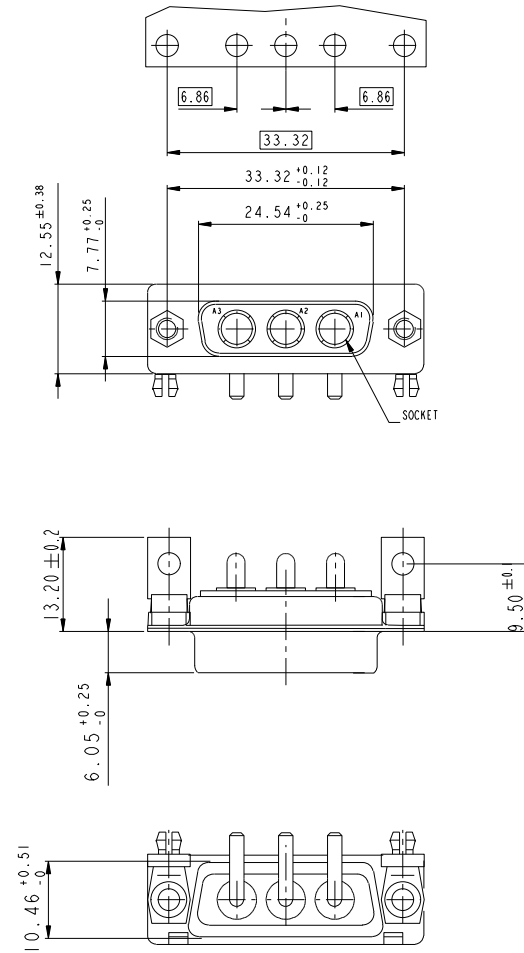
2V2

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

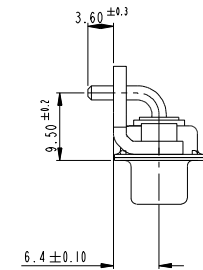
3V3

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 1

SIDE VIEW FOR ALL LAYOUTS



www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm	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	

SUB FEMALE DW US foot print		part no	C01-8639-2309	Rev.
full power right angled solder		customer		E

A

B

C

D

E

F

1

2

3

4

5

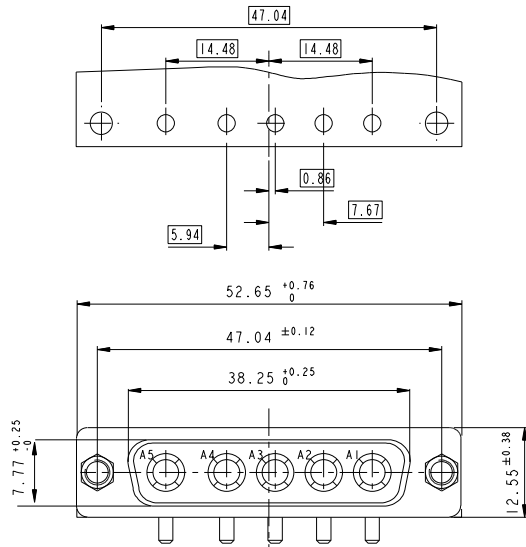
6

7

8

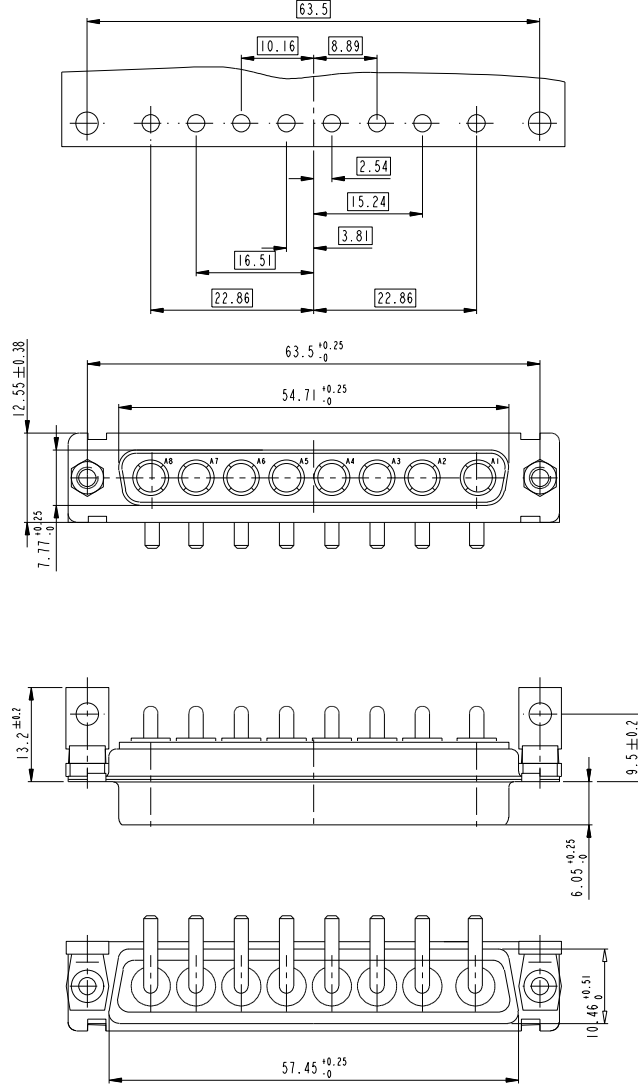
5W5

LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see Table I sheet I



8W8

LAYOUT AND CONNECTOR DIMENSIONS
For PCB hole diameters see Table I sheet I



A

B

C

D

E

F

www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size A2	Scale 2:1
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	

FCI		title SUB FEMALE DW US foot print	part no C01-8639-2309	Rev. E
		full power right angled solder		
		CUSTOMER		Sheet 5 of 5

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru