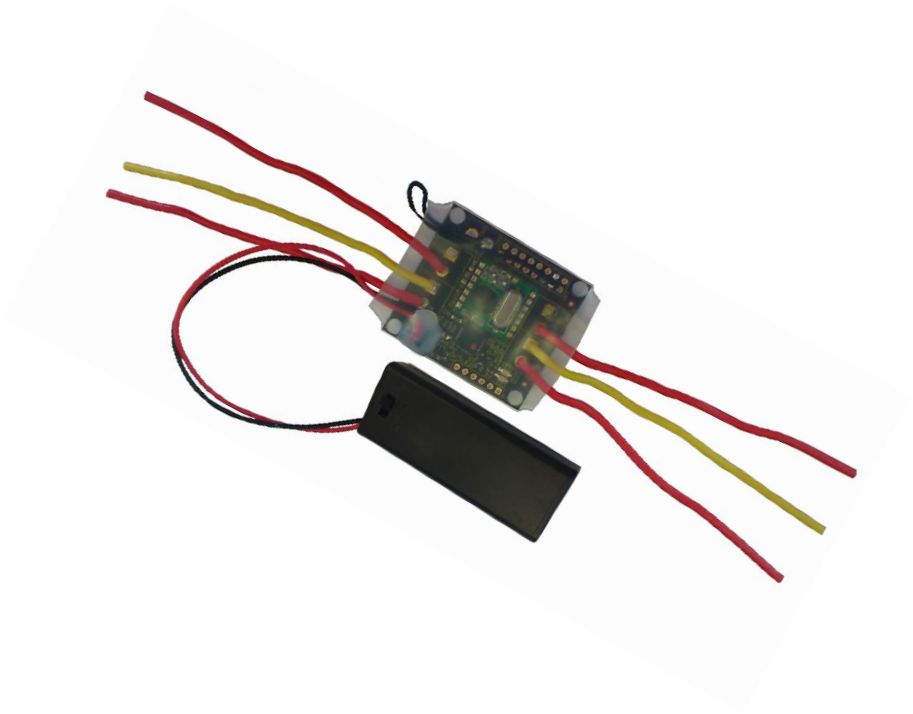
SQUIDBOARD-868

Makes any switch wireless!



Features

- Simple to use
- Range up to 100m
- 2 Channel swich
- Ultra low power
- Versatile
- Compact - 38mm x 42mm
- Shrink-wrap Housing

Applications

- Remote Control
- Remote Switching
- Remote Light switch
- Single or double gang switch

Operates with

- BRAVO-T868
- ELITE Series
- MAINSLINK
- TRAP

Description

The SQUIDBOARD is an innovative product which allows anybody to make their own remote transmitter and wireless enable an existing switch.
With 6 wired inputs to use and being only 38mm x 42mm the SQUIDBOARD is small and powerful. The tiny board is easily capable of achieving 100m range in open line-of-sight conditions.

Ordering Information

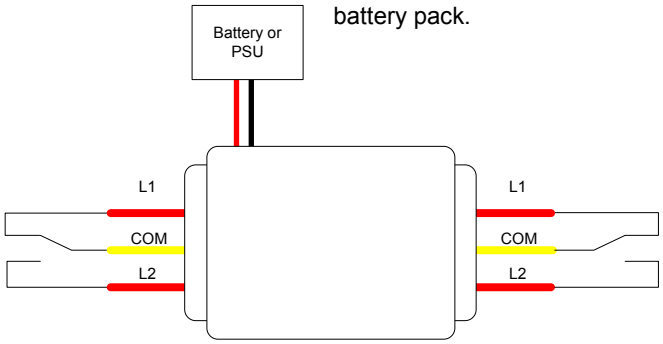
Part Number	Description
SQUIDBOARD-868	Turns any 868MHz switch into a remote control

FM76316

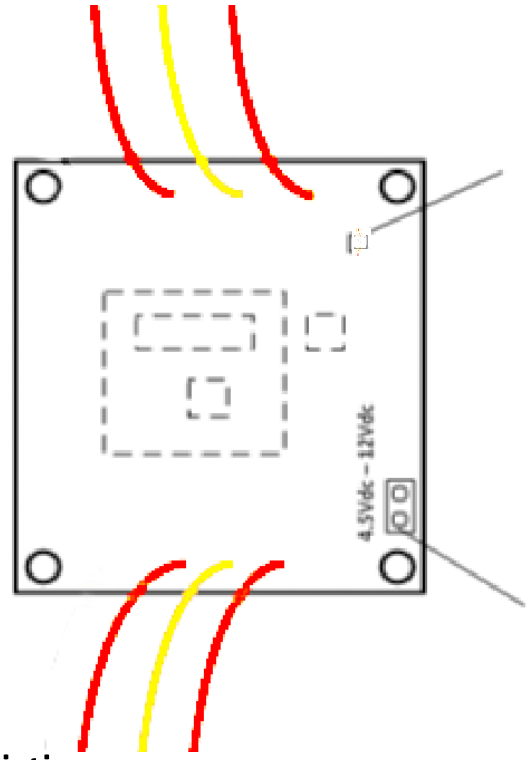
SQUIDBOARD-868

Functional overview:

The board comes with a 3V AAA battery pack.



SQUIDBOARD has four inputs. Each requires a volt free switch in order to operate.
Any inputs wires that are unused may be removed or just folded out of the way.
Note: please ensure unused wires are insulated to stop false transmissions and battery loss.



Green transmit indicator LED
Red battery low indicator LED

The SQUIDBOARD is supplied with a battery connector for use with a 3V AAA battery pack.
NOTE: There is no regulator fitted to this circuit so it cannot support the 4.5-12V stated on the PCB.

Operational Characteristics

The SQUIDBOARD is very simple to connect and use. Simply wire a switch to any one or many of the inputs and send a signal.

Pairing process will be as per the datasheet of your chosen receiver.

IMPORTANT NOTE:
As default the SQUIDBOARD is designed for use with latching buttons - to send a signal on state change when a switch is made or broken. This means all 3 wires must be used.

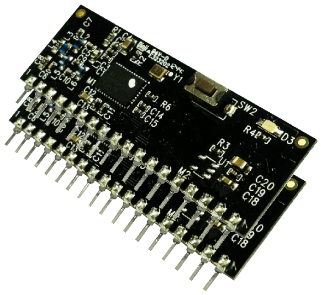
If both Live wires touch the common this will put the module to sleep and will not wake unless power is cycled to the unit.

*Soldering to or otherwise modifying the SQUIDBOARD will invalidate the warranty.

SQUIDBOARD-868

Compatible receivers:

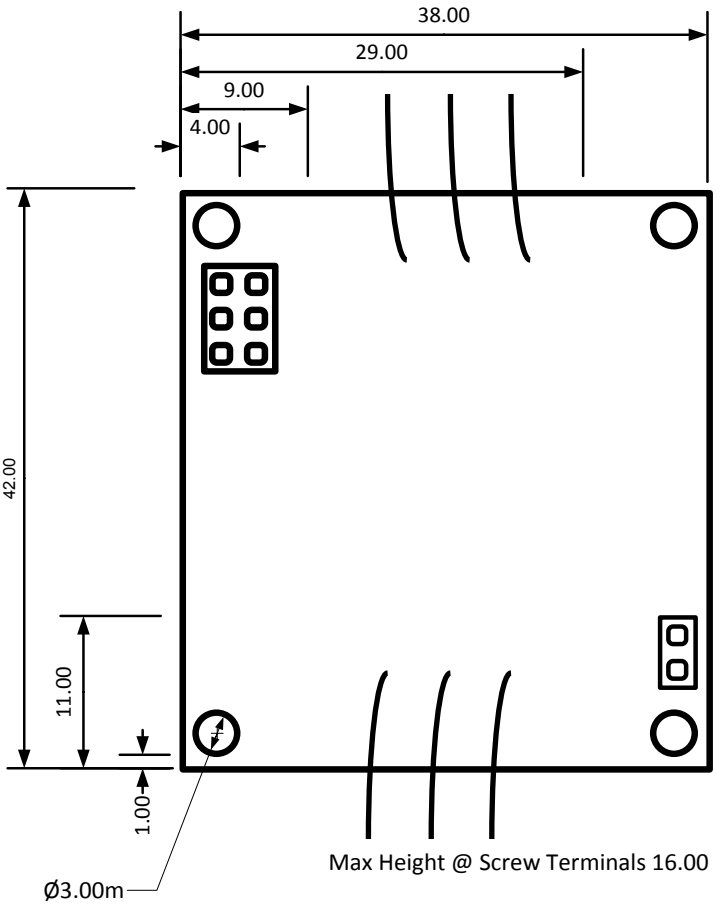
The SQUIDBOARD is a versatile remote control and as such is compatible with nearly all RF Solutions 868MHz receivers.



Ordering Information

Receiver Part Number	Form Factor	Expected Range	Outputs
ELITE-RX*	Boxed IP rated	100m	4x 230Vac outputs
ELITE-RXL*	Boxed IP rated	100m	4 changeover relays
MAINSLINK-RX	Boxed IP rated	100m	1x 230Vac output
TRAP-RX	Boxed IP rated	100m	4 changeover relays
BRAVO-T868	Intelligent radio module	100m	8 TTL level

Mechanical Drawing:



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SQUIDBOARD-868

Technical Specifications:

Operating temperature: 0 - 55°C
Storage Temperature: -10 - 70°C

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage: 3V Supply	2.4	3	3.8	Vdc
Antenna Output Lead Impedance		50		Ohms
Minimum input activation time to trigger transmission		50		ms
868MHz Version				
Supply Current: Quiescent	1	1.5	2	uA
Supply Current: Transmitting Data	18	22	26	mA

RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:

DO NOT
Discard with normal waste, please recycle.

ROHS Directive 2002/95/EC
Specifies certain limits for hazardous substances.

WEEE Directive 2002/96/EC
Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfils its WEEE obligations by membership of an approved compliance scheme.

Waste Batteries and Accumulators Directive 2006/66/EC
Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point.

Environment Agency producer registration number: WEE/JB0104WV.

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