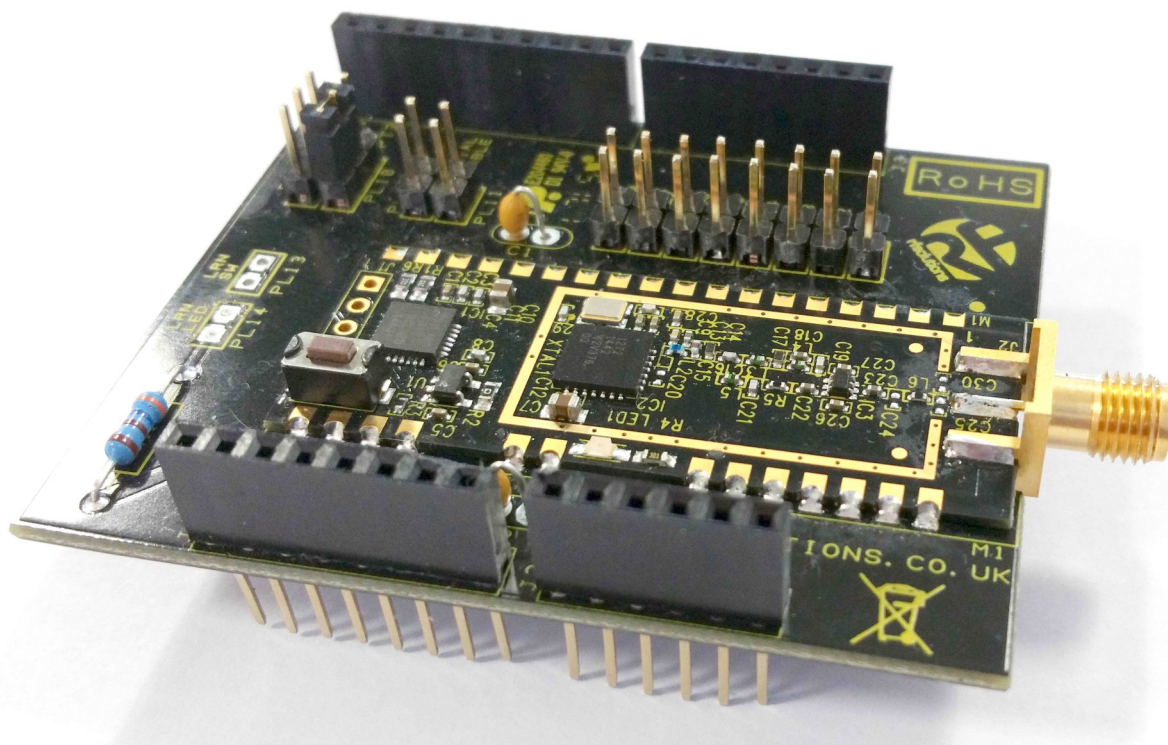




Description

The GAMMA Arduino shield provides a enables the features of the GAMMA on Arduino platform.

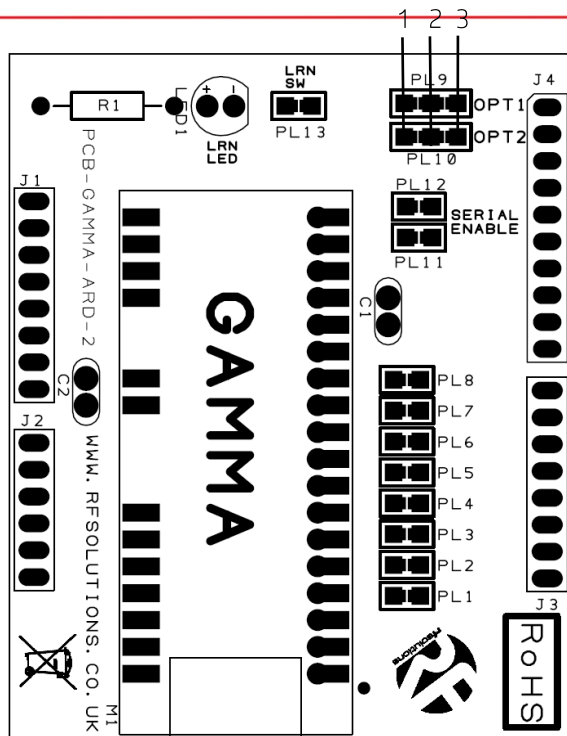
Resources

- **GAMMA-datasheet:** Containing technical information including; pin description, dimensions and set-up of the GAMMA modem module.
http://www.rfsolutions.co.uk/acatalog/RF-Telemetry-module-GAMMA_868.html
- **Build Pack:** Containing schematic, Gerber's, Design Spark project file and the BOM for the shield. TBA
- **Arduino Code:** TBA please contact us if you requie this

Ordering Information

Part No	Description
GAMMA-ARD	Fully populated working GAMMA Arduino Shield
PCBOGAMMA-ARDUINO-1	Unpopulated Arduino PCB

GAMMA-ARDUINO



Arduino Pin

PIN11: OPT1
PIN10: OPT2
PIN9 I/O8
PIN8: I/O7
PIN7: I/O6
PIN6: I/O5

PIN5: I/O4
PIN4: I/O3
PIN3: I/O2
PIN2: I/O1
PIN1: Serial TX
PIN0: Serial RX

Resources / Further Reading

- GAMMA-868 datasheet: Containing technical information including; pin description, dimensions and set-up of the GAMMA module.

<http://www.rfsolutions.co.uk/acatalog/DS-GAMMA.pdf>

- Build Pack: Containing schematic, Gerbers, Design Spark project file and the BOM for the shield.

Link	Action	Description															
PL1, 8	Closed	Inputs / outputs controlled via the Arduino															
	Open	Inputs / outputs disconnected from Arduino															
PL 9/10	pin1&2(Closed/NC) pin2,3Arduino control	Option links 1/2 for mode select															
	TX= 8 transmitting (TX) inputs RX= 8 receiving (RX) outputs TRX=4 TX inputs & 4 RX outputs Serial communication	<table border="1"> <thead> <tr> <th></th><th>OPT1</th><th>OPT2</th></tr> </thead> <tbody> <tr> <td>TX</td><td>NC</td><td>NC</td></tr> <tr> <td>RX</td><td>NC</td><td>GND/Closed</td></tr> <tr> <td>TRX</td><td>GND/Closed</td><td>NC</td></tr> <tr> <td>Serial</td><td>NC</td><td>GND/Closed</td></tr> </tbody> </table>		OPT1	OPT2	TX	NC	NC	RX	NC	GND/Closed	TRX	GND/Closed	NC	Serial	NC	GND/Closed
	OPT1	OPT2															
TX	NC	NC															
RX	NC	GND/Closed															
TRX	GND/Closed	NC															
Serial	NC	GND/Closed															
PL 11/12	Open/Closed	TX/RX serial option link to Arduino															
PL13		Is for an external OV LRN button															

Note: Serial link must be removed to program Arduino board

Please go to the page below on our website for our Arduino Uno demo downloads
<http://www.rfsolutions.co.uk/downloads/Arduino.php>

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

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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.

