

Description

The GAMMA Arduino shield provides and 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. Please refer to the GAMMA datasheet within the data downloads section within the GAMMA-ARD product page.

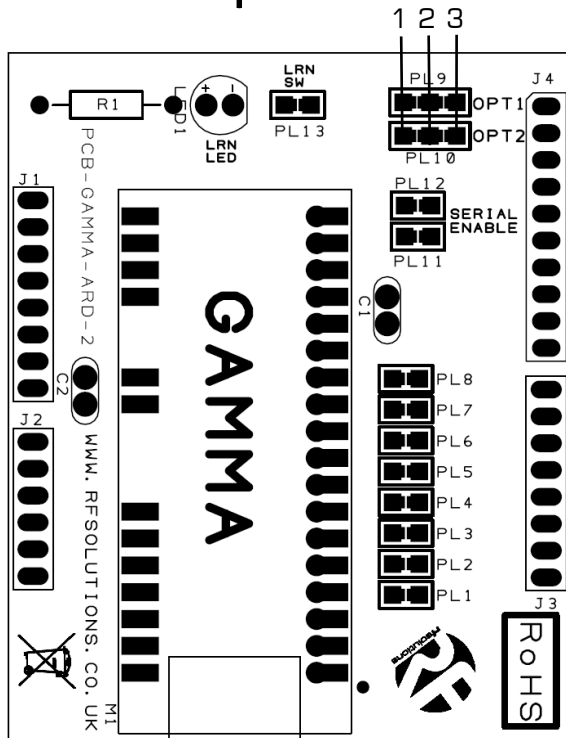
Build Pack: Containing schematic, Gerber's, Design Spark project file and the BOM for the shield. TBA

- **Arduino Code:** TBA please contact us if you require this

Ordering Information

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

Pin Description



Arduino Pin	PIN5: I/O4
PIN11: OPT1	PIN4: I/O3
PIN10: OPT2	PIN3: I/O2
PIN9 I/O8	PIN2: I/O1
PIN8: I/O7	PIN1: Serial TX
PIN7: I/O6	PIN0: Serial RX
PIN6: I/O5	

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	pin 1&2(Closed/NC) pin2,3Arduino control	Option links 1/2 for mode select															
	TX= 8 transmitting (TX) inputs	<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															
RX= 8 receiving (RX) outputs																	
TRX=4 TX inputs & 4 RX outputs																	
Serial communication																	
PL 11/12	Open/Closed	TX/RX serial option link to Arduino															
PL13		Is for an external OV LRD 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>

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