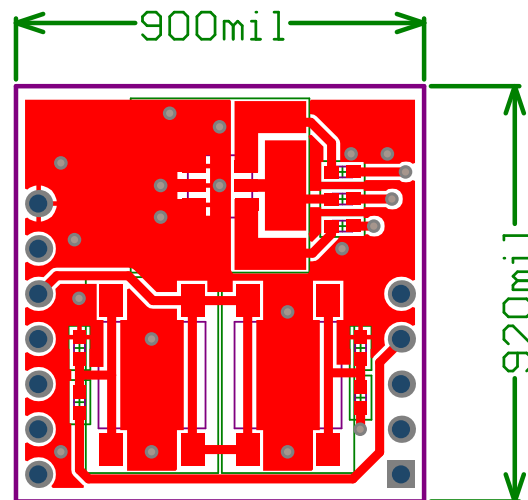


NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

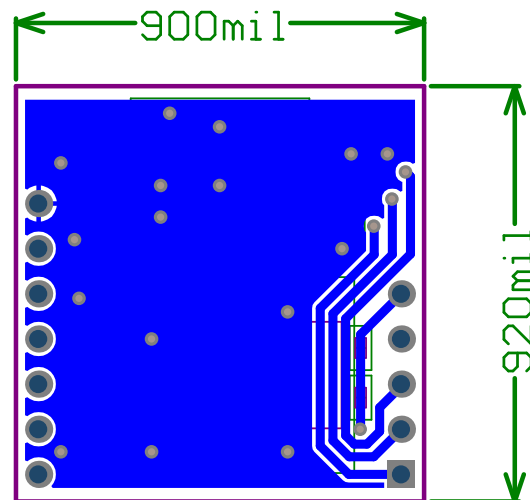
TOP COPPER

DIMENSIONS

ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

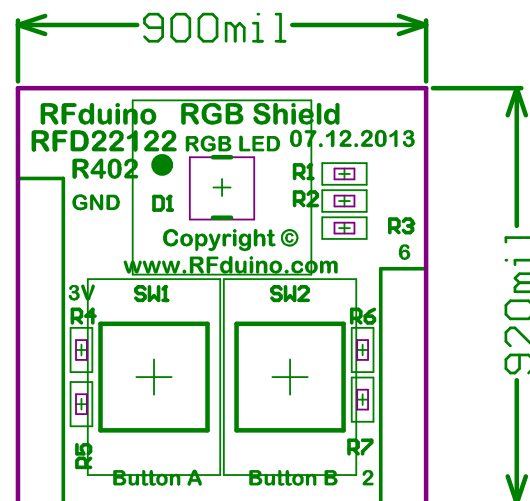
BOTTOM COPPER

DIMENSIONS

ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

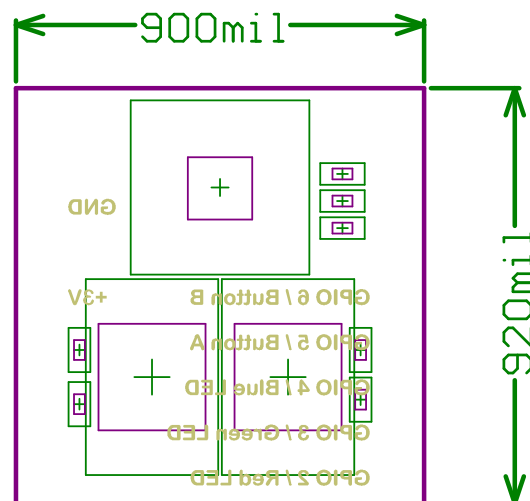
TOP OVERLAY

DIMENSIONS

ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

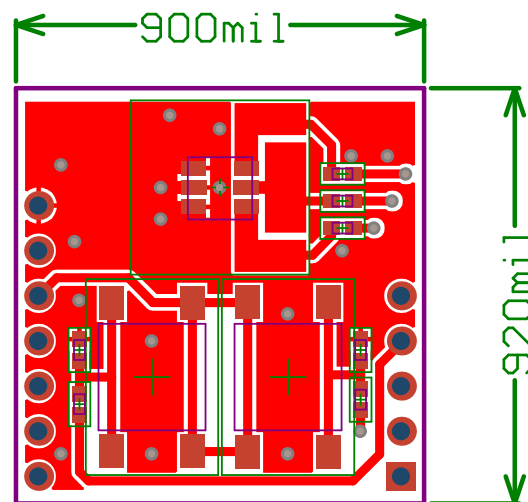
BOTTOM OVERLAY

DIMENSIONS

ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

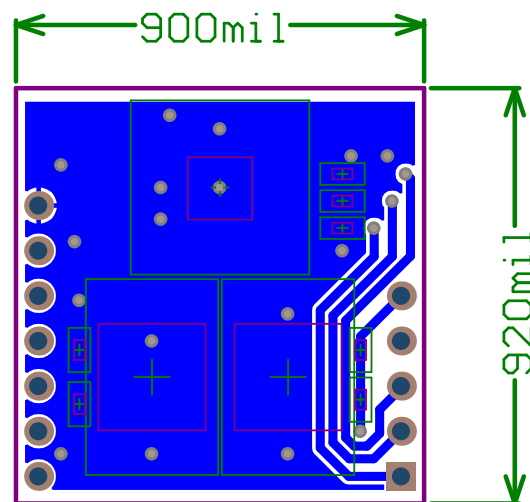


LAYERS



NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

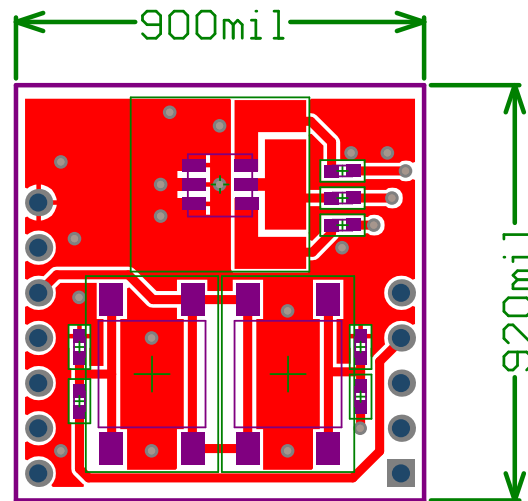


LAYERS



NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

TOP PASTE

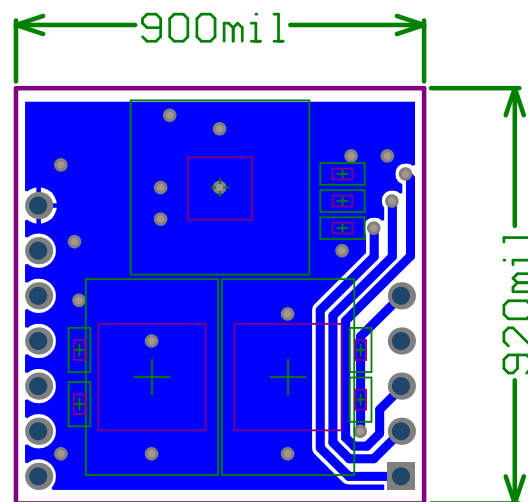
TOP COPPER

DIMENSIONS

ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

BOTTOM COPPER

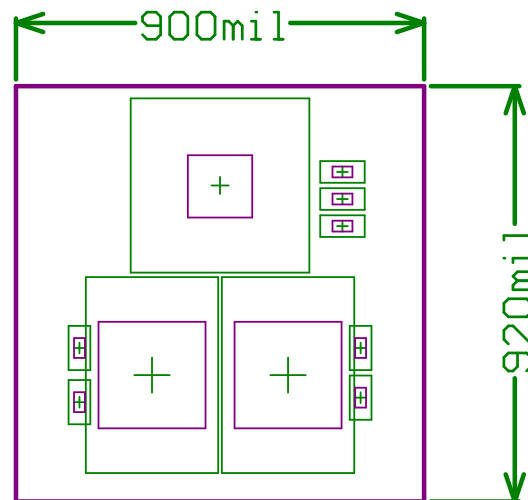
BOTTOM PASTE

DIMENSIONS

ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

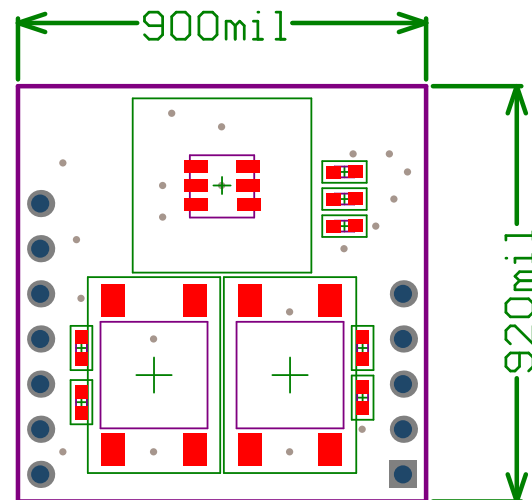


LAYERS

	DIMENSIONS
	ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

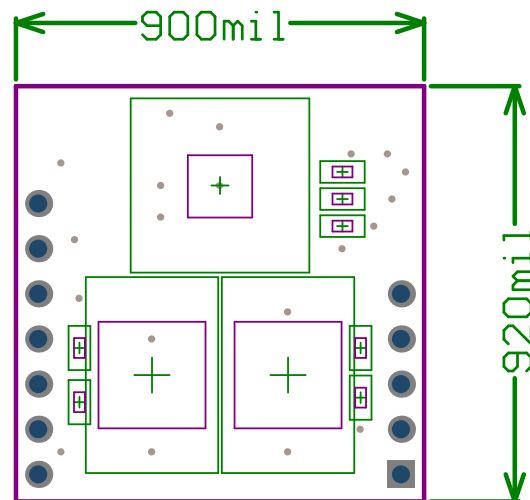


LAYERS

	DIMENSIONS
	ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

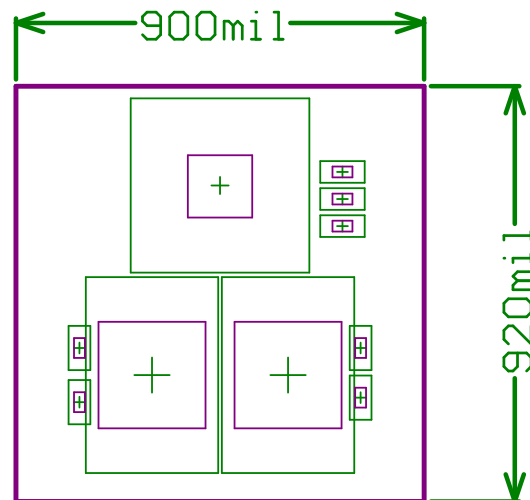


LAYERS

	DIMENSIONS
	ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

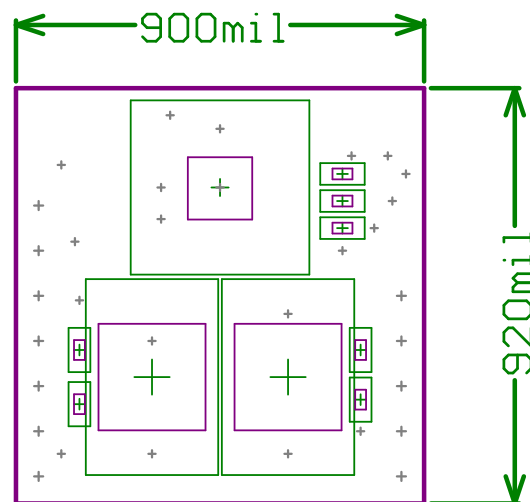


LAYERS

	DIMENSIONS
	ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

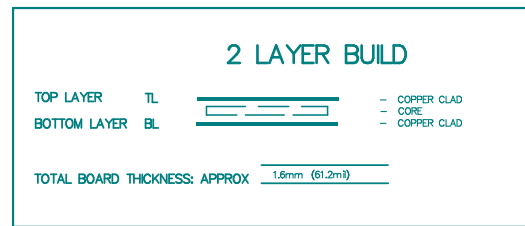
DRILL GUIDE (SLOTS)

DIMENSIONS

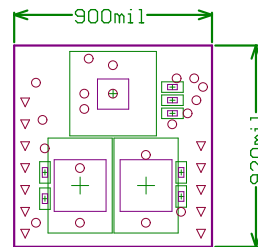
ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

LAYER STACK CONFIGURATION



NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013



LAYERS

DRILL DRAWING

MANUFACTURE DATA

DIMENSIONS

ROUTING KEEPOUT LAYER

NO VENDOR MARKINGS, VENDOR IS NOT TO ADD OR REMOVE ANYTHING
R402 © Copyright www.RFduino.com 12/12/2013

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: FR4
2. FINISH: BLACK GLOSS LPI SOLDERMASK OVER BARE COPPER, BOTH SIDES OF BOARD
ALL EXPOSED CONDUCTIVE PATTERN AREAS NOT COVERED WITH SOLDER MASK OR OTHER PLATING SHALL BE PLATED WITH IMMERSION GOLD
3. SILKSCREEN BOTH SIDES USING THE WHITE NON-CONDUCTIVE EPOXY INK,
SILKSCREEN INC NOT ALLOWED ON COMPONENT PADS
4. NO VENDOR MARKINGS OF ANY TYPE, ON ANY LAYER OF THE PCB
IT IS OK FOR VENDOR TO PUT MARKINGS ON THE RAILS OF THE ARRAY ONLY
5. IMPEDANCE CONTROL REQUIREMENT
6. FINISHED FAB AND WORKMANSHIP PER IPC-A-600, CLASS2
7. RoHS COMPLIANCE REQUIRED
8. ALL VIAS ARE TO BE FULLY PLUGGED WITH SOLDERMASK
9. IF THERE ARE ANY DISCREPANCIES, IT IS THE VENDORS RESPONSIBILITY TO CONTACT THE CUSTOMER
10. NO X-OUTS
11. 100% ELECTRICAL TEST FOR OPEN AND CLOSED REQUIRED

Symbol	Hit Count	Tool Size	Plated	Hole Type
○	20	15mil <0.381mm>	PTH	Round
▽	12	40mil <1.016mm>	PTH	Round
	32 Total			

RFduino RGB Shield
RFD22122 RGB LED 07.12.2013

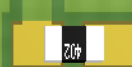
R402

GND

D1



R1



R2



R3

6

Copyright ©
www.RFduino.com

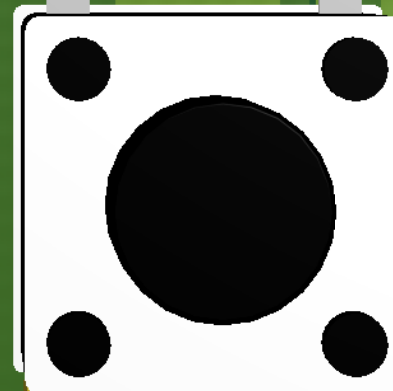
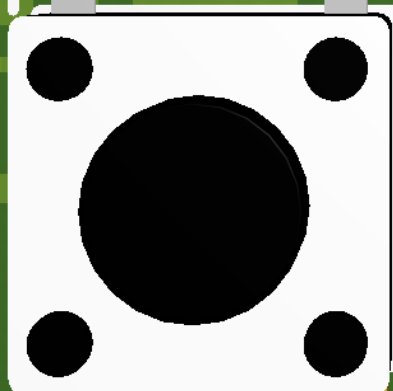
3V

SW1

SW2

R4

R6



R5

R7

Button A

Button B

2

