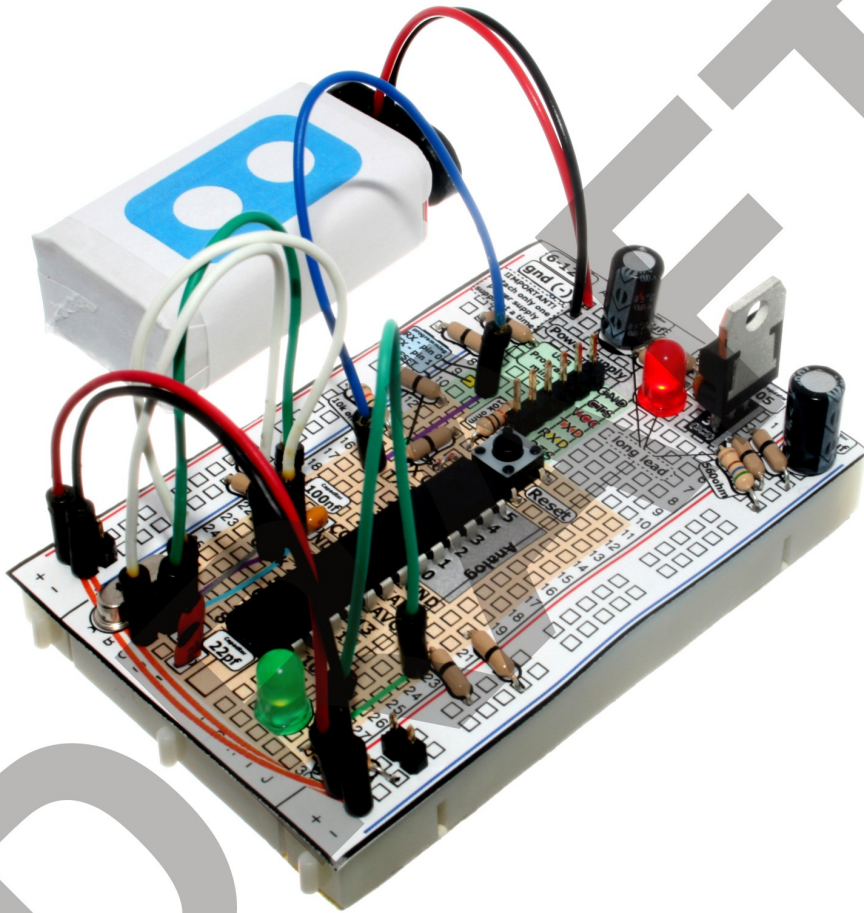
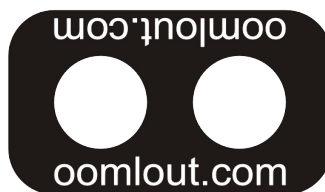


(BBAC)
breadboard arduino
compatible

Breadboard Arduino Compatible




DESIGN REFERENCE





.:Part Summary:.

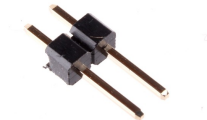
Component Summary				
ID	Name	Qty	Description	Datasheet
CAPA-100NF	100 nano farad capacitor	3		0 http://oomlout.com/B32-D
CAPA-100UF	100 micro Farad Capacitor	2		0 http://oomlout.com/B33-D
CAPA-22PF	22 Pico Farad capacitor	2		0 http://oomlout.com/B37-D
HEAD-02	2 pin header	2	2 Pin Header (2.54 mm Normal Length)	
HEAD-06-L	6 Pin Header Long	1		0
LED-05G	5mm Green LED	1	5mm Green LED	http://oomlout.com/BC1-D
LED-05R	5mm Red LED	1	5mm Red LED	http://oomlout.com/BC7-D
XT-16MHZ	16 MHz Crystal	1		0 http://oomlout.com/C8A-D
BUTT-01	Through Hole Pushbutton	1	6mm x 6mm Tactile Through Hole Pushbutton	http://oomlout.com/B2C-D
IC-7805	7805 5Volt Regulator	1		0 http://oomlout.com/B87-D
IC-ATM328-C	ATMega 328	1		0
RES-103	10k Resistor	2	Resistor ¼ watt 10k Ohm (Brown-Black-Orange)	
RES-561	560 ohm resistor	2		
RES-000	0 Ohm Resistor	12		0
BATT-09	9V Battery Clip	1	Plastic Battery Snap (PP9)	http://oomlout.com/B02-D
WIRE-50	50mm Jumper Wire	11		0
BBAC-BOOK	Breadboard Arduino Book	1		0
BBAC-SHEET	Breadboard Arduino Sheet	1		0
BREA-01-T	400 Point Breadboard Transpare	1	400 Point breadboard (82x53x8.5mm)	

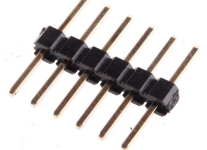
.:Part Summary (detail):. (1 of 3)


	ID:	CAPA-100NF	QTY	3
	Manufacturer:			
	Name:	100 nano farad capacitor		
	Description:			
	Datasheet:			
	Source:	Farnell	RS	Mouser
		1469310		DigiKey
				Larger Volumes (contact oomlout)


	ID:	CAPA-100UF	QTY	2
	Manufacturer:			
	Name:	100 micro Farad Capacitor		
	Description:			
	Datasheet:			
	Source:	Farnell	RS	Mouser
		9451188		DigiKey
				Larger Volumes (contact oomlout)

	ID:	CAPA-22PF	QTY	2
	Manufacturer:			
	Name:	22 Pico Farad capacitor		
	Description:			
	Datasheet:			
	Source:	Farnell	RS	Mouser
		9411674		DigiKey
				Larger Volumes (contact oomlout)


	ID:	HEAD-02	QTY	2
	Manufacturer:	TruConnect		
	Name:	2 pin header		
	Description:	2 Pin Header (2.54 mm Normal Length)		
	Datasheet:			
	Source:	Farnell	RS	Mouser
		1097954	156049	DigiKey
				Larger Volumes (contact oomlout)

	ID:	HEAD-06-L	QTY	1
	Manufacturer:			
	Name:			
	Description:			
	Datasheet:			
	Source:	Farnell	RS	Mouser
				DigiKey
				Larger Volumes (contact oomlout)

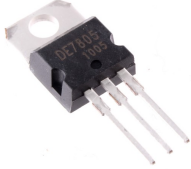
	ID:	LED-05G	QTY	1
	Manufacturer:	FLR-50A04-PG5		
	Name:	5mm Green LED		
	Description:	5mm Green LED		
	Datasheet:	http://www.oomlout.com/BC1-D		
	Source:	Farnell	RS	Mouser
		1581138	2471678	DigiKey
				Larger Volumes (contact oomlout)

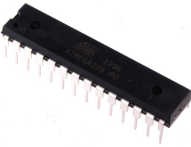
	ID:	LED-05R	QTY	1
	Manufacturer:	FLR-50A03-SR7		
	Name:	5mm Red LED		
	Description:	5mm Red LED		
	Datasheet:	http://www.oomlout.com/BC7-D		
	Source:	Farnell	RS	Mouser
		1581135	6194410	DigiKey
				Larger Volumes (contact oomlout)


.:Part Summary (detail):. (2 of 3)


	ID:	XT-16MHZ	QTY	1
	Manufacturer:			
	Name:	16 MHz Crystal		
	Description:			
	Datasheet:			
	Source:			
		Farnell	RS	Mouser
		1469640	5476294	DigiKey
				Larger Volumes (contact oomlout)


	ID:	BUTT-01	QTY	#N/A
	Manufacturer:	FSM4JH TYCO		
	Name:	Through Hole Pushbutton		
	Description:	6mm x 6mm Tactile Through Hole Pushbutton		
	Datasheet:	http://www.oomlout.com/B2C-D		
	Source:			
		Farnell	RS	Mouser
		1555982	479-1413	DigiKey
				Larger Volumes (contact oomlout)

	ID:	IC-7805	QTY	1
	Manufacturer:			
	Name:	7805 5Volt Regulator		
	Description:			
	Datasheet:			
	Source:			
		Farnell	RS	Mouser
		1696994		DigiKey
				Larger Volumes (contact oomlout)


	ID:	IC-ATM328-C	QTY	1
	Manufacturer:			
	Name:	ATMega 328		
	Description:			
	Datasheet:			
	Source:			
		Farnell	RS	Mouser
		1715487		DigiKey
				Larger Volumes (contact oomlout)
				556-ATMEGA328P-PA/ATMEGA328-PU-ND


	ID:	RES-103	QTY	1
	Manufacturer:			
	Name:	10k Resistor		
	Description:	Resistor 1/4 watt 10k Ohm (Brown-Black-Orange)		
	Datasheet:			
	Source:			
		Farnell	RS	Mouser
		9339060	135910	DigiKey
				Larger Volumes (contact oomlout)

	ID:	RES-561	QTY	1
	Manufacturer:			
	Name:	560 ohm resistor		
	Description:	Resistor 1/4 watt 560 Ohm (Blue-Green-Brown)		
	Datasheet:			
	Source:			
		Farnell	RS	Mouser
		9339590		DigiKey
				Larger Volumes (contact oomlout)

	ID:	RES-000	QTY	1
	Manufacturer:			
	Name:	0 Ohm Resistor		
	Description:			
	Datasheet:			
	Source:			
		Farnell	RS	Mouser
		9339027		DigiKey
				Larger Volumes (contact oomlout)

.:Part Summary (detail):. (3 of 3)

	ID: BATT-09 QTY 1
	Manufacturer: Name: 9V Battery Clip Description: Plastic Battery Snap (PP9) Datasheet: http://www.oomlout.com/B02-D Source: <i>Farnell</i> <i>RS</i> <i>Mouser</i> <i>DigiKey</i> <i>Larger Volumes (contact oomlout)</i> 1650667 489-021 563-HH-3449 377-1549-ND

	ID: WIRE-50 QTY 1
	Manufacturer: Name: 50mm Jumper Wire Description: Datasheet: Source: <i>Farnell</i> <i>RS</i> <i>Mouser</i> <i>DigiKey</i> <i>Larger Volumes (contact oomlout)</i>

.:FILE SUMMARY:.

File Summary

Root Directory:

<http://oomlout.com/BBAC/src>

/circ/ Files pertaining to the breadboard layout sheets

BBAC-01-bbls.cdr Bradboard Layout Sheet (1 per page titles)

BBAC-01-bbls-PRINT.cdr Breadboard Layout Sheet (tiled 3 x 3 no titles)

/guide/ Files pertaining to the guide

BBAC-01-guide-OOML.cdr Guide Source File

BBAC-01-guide-OOML-WEB.pdf Web quality guide (~1MB)

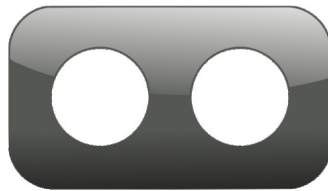
BBAC-01-guide-OOML-DD.pdf Document Distribution quality guide (~30MB)

BBAC-01-guide-OOML-PRINT.pdf PRINT quality guide (~100MB)

/steps/ 3d Models of Steps

(Files for the 3d steps).

www.oomlout.com



..any questions please contact us:.
info@oomlout.com