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Development Item #Blu-Ox

Product Blu-Ox Variant
 BOM Number 10 Mechanical Drawings Reference Numbers
 BOM Version 1.00 Assembly Procedures Reference Numbers
 Creation Date 1122555186 Circuit Diagram Reference Numbers
 author Peter Anderson

Included Parts

id	Component Reference	Description	Manufacturer	PDF	Supplier	Order Number	Opera Code
513	Battery	Battery AA Alkaline PC1500 2700mAh	Duracell	PDF	CPC	BT00355	
514	Battery	Battery AA Alkaline PC1500 2700mAh	Duracell	PDF	CPC	BT00355	
337	C1	Capacitor SMD 0805 4.7uF 10V 10% X5R	Phycomp 2222 240 13672	PDF	Farnell	940-2160	
485	C10	Capacitor SMD 0603 100nF 16V 10% X7R	Phycomp 2238 786 15649	PDF	Farnell	432-210	
486	C11	Capacitor SMD 0603 1uF 6V3 10% X5R	Murata GRM188R60J105KA01D	PDF	Farnell	952-7699	
487	C12	Capacitor SMD 0603 100nF 16V 10% X7R	Phycomp 2238 786 15649	PDF	Farnell	432-210	
488	C13	Capacitor SMD 0603 100nF 16V 10% X7R	Phycomp 2238 786 15649	PDF	Farnell	432-210	
489	C14	Capacitor SMD 0603 100nF 16V 10% X7R	Phycomp 2238 786 15649	PDF	Farnell	432-210	
490	C15	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710	
491	C16	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710	
492	C17	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710	

493	C18	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710
494	C19	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710
304	C2	Capacitor SMD 0603 47pF 50V 5% NPO	Phycomp 2238 867 15479	PDF	Farnell	722-042
495	C20	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710
496	C21	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710
497	C22	Capacitor SMD 0805 1uF 16V 10% X7R	Murata GRM21BR71C105KA01L	PDF	Farnell	952-7710
339	C3	Capacitor SMD 1206 10uF 10V 10% X5R	EPCOS B37572K8106K62	PDF	Farnell	521-2819
340	C4	Capacitor SMD 0603 1nF 50V 10% X7R	EPCOS B37931K5102K60	PDF	Farnell	753-580
338	C5	Capacitor SMD 0805 4.7uF 6V3 10% X5R	EPCOS B37641K7475K62	PDF	Farnell	521-2832
341	C6	Capacitor SMD 0603 10nF 50V 10% X7R	EPCOS B37931K5103K60	PDF	Farnell	753-622
483	C7	Capacitor SMD 0603 1uF 6V3 10% X5R	Murata GRM188R60J105KA01D	PDF	Farnell	952-7699
342	C8	Capacitor SMD 0603 10nF 50V 10% X7R	EPCOS B37931K5103K60	PDF	Farnell	753-622
484	C9	Capacitor SMD 0603 1uF 6V3 10% X5R	Murata GRM188R60J105KA01D	PDF	Farnell	952-7699
498	CN1	Connector SMD 0.5mm Right- angled Top-contact FFC socket 18-way	Molex 52745-1896	PDF		
307	CN2	Connector SMD 1.25mm Right- angled Pin header 6-way	JAE IL-Z-6PL-SMTYE	PDF	Farnell	965-0857
499	CN3	Connector SMD 1.25mm Right-	JAE IL-Z-9PL-SMTYE	PDF		

		angled Pin header 9-way				
500	CN4	Connector SMD 2.0mm M22 Right- angled Pin header SIL 2-way	Harwin M22-5330205	PDF		
501	CN5	Connector SMD 2.0mm M22 Right- angled Pin header SIL 2-way	Harwin M22-5330205	PDF		
510	Contact	Contact crimp	JAE IL-Z-C3-A-15000	PDF	Farnell	110-7603
308	D1	Diode SMD SOT- 23 BAT754	Philips	PDF	Farnell	108-1203
309	D2	Diode SMD SOT- 23 BAT754	Philips	PDF	Farnell	108-1203
310	D3	Diode SMD SOT- 23 BAT754	Philips	PDF	Farnell	108-1203
508	Housing 6- way	Socket housing 1.25mm 6-way	JAE IL-Z-6S-S125C3	PDF	Farnell	110-7593
509	Housing 9- way	Socket housing 1.25mm 9-way	JAE IL-Z-9S-S125C3	PDF	Farnell	110-7596
311	IC1	Integrated Circuit SMD ThinSOT-6 LTC3459ES6#PBF	Linear Technology	PDF	Linear Technology	LTC3459ES6#PBF
482	IC2	Integrated Circuit SMD SOT-23A-6 TC1072-3.0VCH	TelCom Semiconductor	PDF	Farnell	119-295
504	IC3	Integrated Circuit SMD SOT323-6L STG3157CTR	ST Microelectronics	PDF		
505	IC4	Integrated Circuit SMD S5 LTC2054CS5#PBF	Linear Technology	PDF		
312	IC5	Integrated Circuit SMD SO20 ST7FLITE15F1M6	ST Microelectronics	PDF	Anglia	ST7FLITE15F1M6
315	L1	Inductor SMD 1210 22uH 10%	Murata LQH32MN220J23L	PDF	Farnell	952-2069
316	LCD1	LCD FFC CV9018A-NN-SR- N6-KCL	Clover Display Limited	PDF		
502	LK1	Jumper socket 2.0mm Blue	Harwin M22-1910005	PDF	Farnell	510-920
503	LK2	Jumper socket 2.0mm Blue	Harwin M22-1910005	PDF	Farnell	510-920
317	PCB	Vandagraph Blu- Ox PCB P/N 2231000	Northern HI-TEC		Northern HI-TEC	Blu-Ox PCB P/N 2231000
						2231000

318	R1	Resistor SMD 0603 1M 0.063W 1%	Multicomp	PDF	Farnell	933-0410
319	R10	Resistor SMD 0603 8k06 0.1W 1%	ROHM	PDF	Rutronik	MCR03EZPFX8k06
320	R11	Resistor SMD 0603 976k 0.1W 1%	ROHM	PDF	Rutronik	MCR03EZPFX976k
321	R12	Resistor SMD 0603 4k7 0.063W 1%	Multicomp	PDF	Farnell	933-1247
322	R13	Resistor SMD 0603 10k 0.063W 1%	Multicomp	PDF	Farnell	933-0399
323	R14	Resistor SMD 0603 10k 0.063W 1%	Multicomp	PDF	Farnell	933-0399
324	R15	Resistor SMD 0603 10k 0.063W 1%	Multicomp	PDF	Farnell	933-0399
327	R2	Resistor SMD 0603 560k 0.063W 1%	Multicomp	PDF	Farnell	933-1379
328	R3	Resistor SMD 0603 365k 0.1W 1%	ROHM	PDF	Rutronik	MCR03EZPFX365k
329	R4	Resistor SMD 0603 4k7 0.063W 1%	Multicomp	PDF	Farnell	933-1247
330	R5	Resistor SMD 0603 0R 0.063W 1%	Multicomp	PDF	Farnell	933-1662
331	R6	Resistor SMD 0603 0R 0.063W 1%	Multicomp	PDF	Farnell	933-1662
332	R7	Resistor SMD 0603 294k 0.1W 1%	ROHM	PDF	Rutronik	MCR03EZPFX294k
333	R8	Resistor SMD 0603 3k3 0.063W 1%	Multicomp	PDF	Farnell	933-1026
334	R9	Resistor SMD 0603 8k06 0.1W 1%	ROHM	PDF	Rutronik	MCR03EZPFX8k06
515	Sealant	744 Sealant White	Dow Corning 1922181	PDF	Farnell	521-838
512	Sealing kit	Sealing kit for Schurter switches	Schurter 0098.9201	PDF	Farnell	148-921

511	Switch	Switch Red Single pole Push to make	Schurter 12411104793	PDF	Farnell	150-242
506	TR1	Transistor SMD MMUN2214LT1G	ON Semiconductor	PDF	Farnell	955-6672
507	VR1	Potentiometer	Vishay Sfernice QBP16NP10KMA	PDF	Farnell	114-1620
336	X1	Quartz Crystal SMD Ceralock 4MHZ 0.5%	muRata CSTCR4M00G53-R0	PDF	Farnell	353-0863

Component Reference

Description

Manufacturer

PDF Location

Supplier

Order Number

Opera Number

Cost

RoHS