





Blitzortung System RED Kit

Parts Inventory Sheet






Amplifier PCB 12 Ver 3c * 8/2013

Category	Component ID	Value/Description	In Kit	Installed
Operational Amplifiers	IC1	MCP6S91 SMD SOI8		
	IC3	"		
	IC5	"		
	IC7	"		
	IC2	MCP6292 SMD SOI8		
	IC6	"		
	IC4	LMH6642 SMD SOI8		
	IC8	"		
IC	IC9	ATMEGA8-16 DIP		
LEDs	Power LED	LED 3mm (red)		
	Control LED	LED 3mm (green)		
	Gain LED 1	LED 3mm (yellow)		
	Gain LED 2	LED 3mm (yellow)		
	Gain LED 4	LED 3mm (yellow)		
	Gain LED 8	LED 3mm (yellow)		
Diodes	D1	1N4148		
	D2	"		
	D3	"		
	D4	"		
Resistors, metal 1%, 0207	R3	100kΩ 		
	R13	"		
	R18	"		
	R28	"		
	R6	68kΩ 		
	R21	"		
	R5	22kΩ 		
	R7	"		
	R12	"		
	R20	"		
	R22	"		
	R27	"		
	R2	10kΩ 		
	R4	"		
	R14	"		
	R17	"		
	R19	"		
	R29	"		
R31	"			

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Category	Component ID	Value/Description	In Kit	Installed
	R8	6.8kΩ 		
	R23	"		
	R1	2.2kΩ 		
	R9	"		
	R16	"		
	R24	"		
	R32	"		
	R33	"		
	R10	1kΩ 		
	R11	"		
	R25	"		
	R26	"		
	R34	330Ω 		
	R35	"		
	R15 **	47Ω 		
	R30 **	"		
	**	NOTE: These may be 49.9Ω resistors		
Resistor network star, 6-1	RN1	1kΩ A102		
Potentiometer	P1	50kΩ		
Capacitors, electrolytic, 5mm	C33	470μF		
	C34	"		
Capacitor, electrolytic, 2mm	C15	2.2μF		
	C30	"		
Capacitor, ceramic, 2.54mm	C1	100nF (104)		
	C2	"		
	C7	"		
	C11	"		
	C12	"		
	C13	"		
	C14	"		
	C16	"		
	C17	"		
	C22	"		
	C26	"		
	C27	"		
	C28	"		
	C29	"		
	C31	"		
	C32	"		
	C35	"		

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Category	Component ID	Value/Description	In Kit	Installed
Inductor, ferrite, 5mm	C3	22nF (223)		
	C18	"		
	C4	10nF (103)		
	C6	"		
	C19	"		
	C21	"		
	C10	6.8nF (682)		
	C25	"		
	C5	4.7nF (472)		
	C20	"		
	C9	2.2nF (222)		
	C24	"		
	C8	470pF (471)		
	C23	"		
Inductors SMCC	L5	470/330µH		
	L2	3.3mH 		
	L4	"		
	L1	1.5mH 		
	L3	"		
Amplifier PC Board	PCB-12-3c	Amplifier board PCB 12 Version 3c		
Miscellaneous Items	IC-Socket, 28-pole	GS 28P-S - IC ATMEGA8		
	Switch	Reset Button Switch		
	Test Pin Connector	Output-A		
	"	Output-B		
	USB Connector	Mini USB Connector		
	Antenna Connector	Antenna Connector		
	RJ45 Connector	Ethernet Connector		