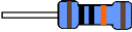








Blitzortung

System RED E-Field

Amplifier 13 Ver. 1b Kit

Parts Inventory Sheet






Amplifier - PCB 13 Ver. 1b * 4/2014				
Category	Component ID	Value/Description	In Kit	Installed
Operational Amplifier	IC1	MCP6S91 SMD SO18		
	IC3	"		
	IC5	"		
	IC7	"		
	IC2	MCP6292 SMD SO18		
	IC4	LMH6642 SMD SO18		
	IC6	"		
	IC8	"		
	IC9	TLE2426		
	IC10	ATMega8		
LEDs	Power LED	LED 3mm (red)		
	Control LED	LED 3mm (green)		
	Gain LED - 1	LED 3mm (yellow)		
	Gain LED - 2	"		
	Gain LED - 3	"		
	Gain LED - 4	"		
Resistors, metal 1%, 0207	R2	100k Ω 		
	R11	"		
	R17	"		
	R23	"		
	R5	39k Ω 		
	R7	"		
	R4	27k Ω 		
	R10	22k Ω 		
	R16	"		
	R22	"		
	R6	12k Ω 		
	R3	10k Ω 		
	R12	"		
	R18	"		
	R24	"		
	R62	"		
	R8	1k Ω 		
	R9	"		
	R15	"		
	R21	"		

Blitzortung

System RED E-Field

Amplifier 13 Ver. 1b Kit

Parts Inventory Sheet



Amplifier - PCB 13 Ver. 1b * 4/2014				
Category	Component ID	Value/Description	In Kit	Installed
	R60	330Ω 		
	R61	"		
	R14	220Ω 		
	R20	180Ω 		
	R1	75Ω 		
	R13	47Ω 		
	R19	"		
	R25	"		
Resistor Network, star, 6-1	RN1	1kΩA102		
Potentiometer	P1	50kΩ		
Capacitors, electrolytic, 5mm	C62	470 μF		
	C64	"		
Capacitors, electrolytic, 2mm	C17	2.2 μF		
	C27	"		
	C37	"		
Capacitor, ceramic, 2.54mm	C1	220 pF (224)		
	C3	100 nF (104)		
	C4	"		
	C9	"		
	C13	"		
	C14	"		
	C15	"		
	C16	"		
	C23	"		
	C24	"		
	C25	"		
	C26	"		
	C33	"		
	C34	"		
	C35	"		
	C36	"		
	C60	"		
	C61	"		
	C63	"		
	C65	"		
	C30	68 nF (683)		
	C32	"		

Blitzortung

System RED E-Field

Amplifier 13 Ver. 1b Kit

Parts Inventory Sheet

Amplifier - PCB 13 Ver. 1b * 4/2014				
Category	Component ID	Value/Description	In Kit	Installed
	C20	33 nF (333)		
	C22	"		
	C29	"		
	C28	22 nF (223)		
	C18	15 nF (153)		
	C31	10 nF (103)		
	C12	6.8 nF (682)		
	C19	"		
	C7	4.7 nF (472)		
	C5	3.3 nF (332)		
	C11	2.2 nF (222)		
	C21	"		
	C8	1.5 nF (152)		
	C2	1.0 nF (102)		
	C6	"		
	C10	470 PF (471)		
Inductors, radial, 5mm 09P	L8	4.7 mH (472)		
	L6	2.2 mH (222)		
	L5	1.5 mH (152)		
	L3	1 mH (102)		
	L4	"		
	L7	470/330 μ h (wire-wound)		
Inductors, axial SMCC	L2	3.3 mH 		
	L1	1.5 mH 		
Miscellaneous	PC Board	PCB 13 Ver. 1b * 4/2014		
	Ethernet Connector	RJ-45 Connector		
	Coax Connector	F-Connector		
	Push button	DPST-NO Switch		
	USB Mini-B Connector			
	GS 28P-S - IC ATMEGA8	IC-Socket, 28-pole		
	Test Connectors	Connector Strips " "		