

**Blitzortung  
System RED Kit  
Parts Inventory Sheet**

<b>Controller PCB 10 Ver 3b * 8/2013</b>				
Category	Component ID	Value/Description	In Kit	Installed
Breakout Board		STM32F4DISCOVERY		
Display		LCD 122DIP		
GPS module		GlobalTop PA6H (MT3339)		
Ethernet Controller		ENC28J60		
Voltage transformer		LF33CV		
Transistors	T40	BC338		
	T41			
LED	GPS fix LED	LED 3mm (green)		
Diodes	D40	1N4148		
	D41	"		
	D42	"		
	D43	"		
	D44	"		
	D45	"		
	D46	"		
	D47	"		
	D48	"		
	D49	"		
	D50	"		
	D51	"		
	D52	1N5818		
	D53	"		
D54	"			
D55	"			
D56	"			
D57	"			
Resistor, metal 1%	R47	10kΩ		
	R55	"		
	R56	"		
	R65	"		
	R46	2.2kΩ		
	R50	"		
	R52	"		
R53	"			

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Category	Component ID	Value/Description	In Kit	Installed
	R62	1k $\Omega$		
	R63	"		
	R64	"		
	R40	680 $\Omega$		
	R41	"		
	R57	"		
	R54	470 $\Omega$		
	R58	330 $\Omega$		
	R59	"		
	R60	"		
	R61	"		
	R42	49.9 $\Omega$		
	R43	"		
	R44	"		
	R45	"		
	R48	47 $\Omega$		
	R49	10 $\Omega$		
	R51	"		
Resistor network star, 8-9	RN42	10k $\Omega$ (A103)		
Resistor network, 3-6 <i>(two identical parts)</i>	RN41	1k $\Omega$ (B102)		
	RN41	1k $\Omega$ (B102)		
Resistor network star, 8-9	RN40	100 $\Omega$ (A101)		
Capacitor, electrolytic, 5mm	C45	470 $\mu$ F		
Capacitor, electrolytic, 2.5mm	C44	100 $\mu$ F		
	C48	"		
	C55	"		
	C56	"		

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Category	Component ID	Value/Description	In Kit	Installed	
Capacitor, ceramic, 2.54mm	C40	100nF (104)			
	C43	"			
	C46	"			
	C47	"			
	C49	"			
	C50	"			
	C51	"			
	C52	"			
	C53	"			
	C54	"			
	C57	"			
	C58	"			
	C59	"			
	C60	"			
	C61	"			
		C41	18pF (18)		
		C42	"		
	Inductances HBCC	L40	10μH		
L41		"			
L42		"			
Crystal		25 MHz			