











**Blitzortung
System RED Kit
Parts Inventory Sheet**

Controller PCB 10 Ver 4 * 11/2013				
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	"		
D58	"			
D59	"			

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Category	Component ID	Value/Description	In Kit	Installed
Resistor, metal 1%	R47	10kΩ 		
	R55	"		
	R56	"		
	R65	"		
	R46	2.2kΩ 		
	R50	"		
	R52	"		
	R53	"		
	R62	1kΩ 		
	R63	"		
	R64	"		
	R40	680Ω 		
	R41	"		
	R57	"		
	R54	470Ω 		
	R58	330Ω 		
	R59	"		
	R60	"		
	R61	"		
	R42	49.9Ω 		
	R43	"		
	R44	"		
	R45	"		
	R48 **	47Ω 		
**	NOTE: This may be a 49.9Ω resistor			
R49	10Ω 			
R51	"			
Resistor network star, 8-9	RN42	10kΩ (A103)		
Resistor network, 3-6 <i>(two identical parts)</i>	RN41	1kΩ (B102)		
	RN41	1kΩ (B102)		
Resistor network star, 8-9	RN40	100Ω (A101)		
Capacitor, electrolytic, 5mm	C45	470μF		
Capacitor, electrolytic, 2.5mm	C44	100μF		
	C48	"		
	C55	"		
	C56	"		

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Category	Component ID	Value/Description	In Kit	Installed
Capacitor, ceramic, 2.54mm	C57	220nF (224)		
	C58	"		
	C59	"		
	C60	"		
	C62	"		
	C63	"		
	C40	100nF (104)		
	C43	"		
	C46	"		
	C47	"		
	C49	"		
	C50	"		
	C51	"		
	C52	"		
	C53	"		
	C54	"		
	C61	"		
	C64	"		
Inductances HBCC	C41	18pF (18)		
	C42	"		
	L40	10μH 		
	L41	"		
	L42	"		
	Crystal	25 MHz		
Miscellaneous Components		USB Connector		
	GPS Ant	GPS SMA Antenna Connector		
	IC Socket	ENC28J60 Socket		
	Ground	Ground Connector		
	Serial	Serial Connector		
Display Mounting Sockets	Socket 1	Socket - 1-9		
	Socket 2	Socket - 10-19		
RJ45 Connectors	IN1	RJ45 Connector		
	IN2	"		
	Buzzer	Buzzer		