

EVLALTAIR900-M1 Bill-of-materials

Reference	Part	Description	Note
R1		1.8k Ω	
R2		1.3 Ω	1% tolerance
R3, R5		N.C.	
R4		8.2k Ω	
R6		8.2k Ω	1% tolerance
R7		27k Ω	1% tolerance
R8		5.1k Ω	1% tolerance
R9		0 Ω	
C1	B41044A4108M	1000 μ F - 16V electrolytic	Epcos
C2	B41858C4477M	470 μ F - 16V electrolytic	Epcos
C3	B43851F9226M	22 μ F 400V electrolytic	Epcos
C4, C9		100nF ceramic – 25V	
C5	B41851A3477M	470 μ F - 10V electrolytic	Epcos
C6	B32922C3224M	220nF - X2	Epcos
C7		2.2nF Y-CAP	
C8		470nF ceramic - 25V	
C10		4.7nF ceramic - 25V	
C11		1nF ceramic - 25V	
C12		3.3 μ F - 35V electrolytic	
C13	ZLH series	100 μ F - 16V electrolytic	Rubycon
D1	STPS2150A	Power schottky diode	STMicroelectronics
D2	P6KE200A	Transil	STMicroelectronics
D3	STTH1L06A	Ultra-fast high voltage diode	STMicroelectronics
D4	STPS1L30A	Power schottky diode	STMicroelectronics
D5	BAT41	Small signal schottky	STMicroelectronics
PD1	DF06S	Input bridge rectifier	
L1	B82462G4472M	4.7 μ H power inductor	Epcos
L2	B82422H1105K	1mH SMT inductor	Epcos
IC1	ALTAIR04-900	Primary switching regulator	STMicroelectronics
Q1	LF33AB	3.3V LDO voltage regulator	STMicroelectronics
CM	B82721K2701	CM Choke	Epcos
	744612101		Würth
TF1	SRW16EE-X129V005	Flyback transformer	TDK
	760-871-431		Würth
NTC1	B57236S0160M	NTC Inrush current limiter	Epcos
RV1	B72214S0321K	320V Varistor	Epcos
F1		2A Fuse	
Notes: if not otherwise specified, all resistors are 5%, ¼ W			