

PoE Adapter BoM R3 150505.xls

Part No.	Description	Package	Qty	Farnell Part No.	Other
			1		
PoE Adapter Board	Raspberry Pi PCB	63mm x 56mm	1	-	Newbury Electronics - Po
U1	Ag9805	SMT	1	-	SilverTel Distributor / Sym
LED1	HSMS-A100-J00J1	SMT	1	4134321	Alternative from Würth -
BR1, BR2	MB4S, MB6S or S1ZB	SMT	2	1470959	
D1	SMAJ58	SMA	1	1579005	
D5, D6, D7, D8	MMSZ5228B	SOD123	4	1431271	
R9, R10	0R	0603	2	9331662	
R2, R3, R4, R11	NF	0603	0	-	
R1, R13, R13	100R	1206	3	207-3876	
R5, R6, R7, R8	75R	0603	0	-	
C1	100nF 25V	0805	1	9406204	
C2	470uF 25V	Thru hole	1	9451200	
C3, C4	10uF 25V	1206	2	1759453	
C5, C6, C7, C8	100nF 200V	0603	0		
C9	1000pF 2000V	1206	0	1855909	
C10, C11, C12	4.7nF 1.5KV	1206	0	1855900	
FB1, FB2, FB3, FB4, FB5, FB6	Chip Ferrite Bead		0	1669725	TDK - MMZ2012
L1	Inductor 1.8µH	SMT	1	2287715	NPI43C1R8MTRF/OWI040 LPS4414-182
T1	Data Transformer		1		Pulse - H2019 or Würth
J1, J2	RJ45 Connectors	SMT	2	-	Toby - 3004S-88
J5	DC Power Connector - DC10		1	-	Toby - DC-001-B-
J6	USB Receptacle	Thru hole/SMT	1	1696534	Alternative from Toby - 311
LK1	2 Way pin header	0.1" pitch	0.0556	1097954	36 Way Cut to
	Jumper links		1	1097980	Alternative from Toby
					Alternative from Toby -

All Resistors +/- 1%