

Design name: TEA1998TS Add-on Board.  
 Board-ID: TEA1998DB1453  
 PCB nr.: 0000-000-35523

Bill of materials

27-05-2016  
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Item Number	Mounted	Unique Part name	Part Reference	Description	Manufacturer	Manufacturer Part Number	Remarks	Supplier	Supplier Code	PCB Footprint
1			C1	Capacitor; 100 pF; 10 %; 50 V; COG; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC2013X145X115Y145C180N
2		CAPN_XXX_100N_50V0_10T_X7R_0805	C2	Capacitor; 100 nF; 10 %; 50 V; X7R; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC2013X145X115Y145C180N
3	NM	CAPN_XXX_10N0_50V0_10T_X7R_0805	C3	Capacitor; 10 nF; 10 %; 50 V; X7R; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC2013X145X115Y145C180N
4	NM	DIO_NXP_BAS316_SC76	D1	Diode; 100 V; 250 mA	NXP	BAS316		Farnell	8734275	SOD2513X110X50Y90C260N
5			E1	Wirehole; AWG18; 1mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	WH_AWG18_0160_0100_0220
6			E2	Wirehole; AWG12; 2mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	WH_AWG12_0400_0200_0440
7			E3	Wirehole; AWG12; 2mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	WH_AWG12_0400_0200_0440
8			E4	Wirehole; AWG18; 1mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	WH_AWG18_0160_0100_0220
9		CONT_MOL_22-28-4020_2PMS_L	JP1	Header; Straight; 1x2-way; 2.54mm	Molex	22-28-4020		Farnell	1550559	CONT_MOL_22-28-4020_2PMS_L_ISO
10		CONT_MOL_22-28-4020_2PMS_L	JP2	Header; Straight; 1x2-way; 2.54mm	Molex	22-28-4020		Farnell	1550559	CONT_MOL_22-28-4020_2PMS_L_ISO
11			MCL1	Jumper; P=2.54mm; w. handle	Fischer	CAB 9 GS		Farnell	9728996	
12			MCL2	Jumper; P=2.54mm; w. handle	Fischer	CAB 9 GS		Farnell	9728996	
13			Q1	MOSFET-N; 60 V; 100 A	NXP	BUK9Y4R8-60E		Farnell	2319941	TO127P600X120-5X60Y162C372N
14	NM		Q2	MOSFET-N; 100 V; 120 A	NXP	PSMN4R3-100PS,127		Digi-Key	568-8595-5-ND	TO220RRV254W85P3L1065T485H1960TB_AT1_ISO
15		RES_XXX_OR00_JMP_OW25_1206	R1	Resistor; 0 Ohm; jumper; 250 mW; 1206	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC3216X75X180Y115C300N
16	NM	RES_XXX_OR00_JMP_OW25_1206	R2	Resistor; 0 Ohm; jumper; 250 mW; 1206	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC3216X75X180Y115C300N
17	NM	RES_XXX_10R0_1T0_OW10_0805	R3	Resistor; 10 Ohm; 1 %; 100 mW; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
18			U1	Sync. Rec. Ctrl.; TEA1998TS	NXP	TEA1998TS		NXP	Customer Delivers Component	SOT95P275X110-6X115Y50C260N