

Design name: TEA1999TK Add-on SR Controller Board.
 Board-ID: TEA1999DB1504
 PCB nr.: 0000-000-40911

Bill of materials

2/17/2017
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Item Number	Mounted	Unique Part name	Part Reference	Description	Manufacturer	Manufacturer Part Number	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	LFPK56_NXP_SOT669
14	NM		Q2	MOSFET-N; 100 V; 120 A	NXP	PSMN4R3-100PS	Digi-Key	568-8595-5-ND	TO220RRV254W90P3L1030T470H1930TB_AT1_ISO
15		RES_XXX_OR00_JMP_W010_0603	R1	Resistor; 0 O; Jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Any Supplier	Any Supp. Code	RESC1608X55X95Y90C160N
16	NM	RES_XXX_OR00_JMP_W010_0603	R2	Resistor; 0 O; Jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Any Supplier	Any Supp. Code	RESC1608X55X95Y90C160N
17	NM	RES_XXX_10R0_1T0_OW10_0805	R3	Resistor; 10 O; 1 %; 100 mW; 0805	Any Manufacturer	Any Man. Part Number	Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
18	NM	RES_XXX_OR00_JMP_W010_0603	R4	Resistor; 0 O; Jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Any Supplier	Any Supp. Code	RESC1608X55X95Y90C160N
19	NM	RES_XXX_OR00_JMP_W010_0603	R5	Resistor; 0 O; Jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Any Supplier	Any Supp. Code	RESC1608X55X95Y90C160N
20		RES_XXX_OR00_JMP_W010_0603	R6	Resistor; 0 O; Jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Any Supplier	Any Supp. Code	RESC1608X55X95Y90C160N
21		RES_XXX_OR00_JMP_W010_0603	R7	Resistor; 0 O; Jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Any Supplier	Any Supp. Code	RESC1608X55X95Y90C160N
22			U1	Sync. Rec. Cntrl.; TEA1999TK	NXP	TEA1999TK	NXP	Customer Delivers Component	SON65P300X300X100-9X85Y35C290N