







# Bill of Materials

T-962a Oven Controller

Source Data From:

T962a.PrjPCB

Project:

T962a.PrjPCB

Variant:

None

Creation Date:

12/10/2016

9:45:41 AM

Print Date:

12-Oct-16

9:45:52 AM

Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
PCBPIN - 0.9mm	TP			5V, 12V, GND1, GND2, MISO, MOSI, SCK, T1_CS, T2_CS, T3_CS, T4_CS, TP1, Vmains	Test Point	13
Bridge-SMT	DF10S	2101164		BR1	bRIDGE rECTIFIER	1
BUZZER_Small	Buzzer_PCB			BZ1	Buzzer (Adafruit 1536)	1
CCNP2012-0805	4u7/10V			C1	Capacitor SMT 0805	1
RB5/10x13mm	470uF/25V	2469425		C2, C3	Polarized Capacitor	2
CCNP2012-0805	100nF			C4, C5, C7, C8, C11, C12, C13, C15	Capacitor, Capacitor, Capacitor, Capacitor SMT 0805, Capacitor SMT 0805, Capacitor, Capacitor SMT 0805, Capacitor	8
CCNP2012-0805	2u2F			C6	Capacitor	1
CCNP2012-0805	2u2F/6V			C9	Capacitor	1
CCNP2012-0805	10nF			C10, C14	Capacitor SMT 0805	2
CAP - small MKT	100nF/63Vac	2429336		C16	Capacitor	1
CCNP2012-0805	1nF			C17	Capacitor	1
SOT23	PMEG2005CT	2459194		D1	Dual Schottky Diode (SMT)	1
SOT23	BAT54S	F1467519		D2	Dual Diode (SMT)	1
LED-SMT-2	LED Red	5790839		D3, D4	LED (Red SMT)	2
HDR1X4S	Header 1x4			H1, P2	Header, 5-Pin, Right Angle	2
HDR1X6H	Keyboard			H2	Header, 6-Pin	1
HDR2X7H	2x5 Header			H3	Header 2x7	1
CR2012-0805	FB	1515661		L2, L3	Ferrite Bead (0805) 0.045OHM, 2A	2
LCD_XC-4617	LCD-XC-4617			LCD1	LCD 128 x 64 pixel, ST7920 controller & contrast pot (Jaycar XC-4617)	1
IT-IM130731001	IT-IM130731001			M1	Itead Buck converter	1
SWD-2x5	SWD2X5			P1	SWD Connector 2x5-Pin	1
CR2012-0805	390R			R1, R7	Resistor	2
CR2012-0805	4K7			R2, R3, R4, R5, R6	Resistor	5
CR2012-0805	47K			R8	Resistor	1
CR2012-0805	DNP			R9	Resistor	1
CR2012-0805	10K			R10, R11	Resistor	2
CR2012-0805	33R			R12, R13	Resistor	2
CR2012-0805	85R			R14	Resistor	1
CR2012-0805	1K			R15	Resistor	1
MOLEX-39544-3002	Terminal2	2396251		TB1	MULTICOMP MC24366 Wire-To-Board Terminal Block	1
MOLEX-39544-3004	Terminal4	1624302		TB2, TB3, TB4	MULTICOMP MC24368 Wire-To-Board Terminal Block	3
TO-252	NCP5501DT50RKG	2532866		U1	Fixed LDO Voltage Regulator, 2.5V-16V in, 230mV Dropout, 5V/500mA out, TO-252-3	1
SO-16_N	ULN2003ADR	1470513		U2		1
SO-16_N	74HCT157N			U3	Quad 2-1 Multiplexor	1
TSQFP50P900X900-48M	MK20DX128VLF5			U4	Arm Cortex M4	1
SO-8_L	MAX31855KASA+T	2515622		U5, U6		2
Crystal SMT - ABM3B	ABM3B-8.000MHZ-B2-T	2467818		Y1	Crystal 8MHz (MINIATURE SMT ABM3B)	1
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Approved

Notes