





Bill of Materials		T-962a Oven Controller				
Source Data From:		T962a.PrjPCB				
Project:		T962a.PriPCB				
-						
/ariant:		None				
Creation Date:	5/10/2016	1:25:06 AM				
Print Date:	05-Oct-16	1:25:17 AM				
ootprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
CBPIN - 0.9mm	TP			5V, 12V, GND1, GND2, MISO,	Test Point	9
N'I OMT	DE100	0404404		MOSI, SCK, TP1, Vmains	L DID OF FOTIFIED	
Bridge-SMT	DF10S	2101164		BR1	bridge rectifier	1
BUZZER_Small	Buzzer_PCB			BZ1	Buzzer (Adafruit 1536)	1
CCNP2012-0805	4u7/10V	0.400.407		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
CNP2012-0805	2u2F			C6	Capacitor	1
CNP2012-0805	2u2F/6V			C9	Capacitor	1
CNP2012-0805	10nF			C10, C14	Capacitor SMT 0805	2
AP - small MKT	100nF/63Vac	2429336		C16	Capacitor	1
CNP2012-0805	1nF			C17	Capacitor	1
OT23	PMEG2005CT	2459194		D1	Dual Schottky Diode (SMT)	1
OT23	BAT54S	F1467519		D2	Dual Diode (SMT)	1
ED-SMT-2	LED Red	5790839		D3, D4	LED (Red SMT)	2
DR1X4S	Header 1x4			H1	Header, 5-Pin, Right Angle	1
DR1X6H	Keyboard			H2	Header, 6-Pin	1
DR2X5H	2x5 Header			H3	Header 2x5	1
R2012-0805	FB	1515661		L2, L3	Ferrite Bead (0805) 0.045OHM, 2A	2
CD_XC-4617	LCD-XC-4617	1010001		LCD1	LCD 128 x 64 pixel, ST7920 controller & contrast pot (Jaycar XC-4617)	1
T-IM130731001	IT-IM130731001			M1	Itead Buck converter	1
WD-2x5	SWD2X5			P1	SWD Connector 2x5-Pin	1
R2012-0805	390R			R1, R7	Resistor	2
R2012-0805	4K7			R2, R3, R4, R5, R6	Resistor	5
R2012-0805	47K			R8	Resistor	1
R2012-0805	DNP			R9	Resistor	1
	10K			R10, R11		2
CR2012-0805	33R			R10, R11	Resistor Resistor	2
R2012-0805	100R					4
R2012-0805		2206254		R14	Resistor	1
IOLEX-39544-3002	Terminal2	2396251		TB1	MULTICOMP MC24366 Wire-To-Board Terminal Block	1
O-252	Terminal4 NCP5501DT50RKG	1624302 2532866		TB2, TB3, TB4 U1	MULTICOMP MC24368 Wire-To-Board Terminal Block Fixed LDO Voltage Regulator, 2.5V-16V in, 230mV Dropout,	3 1
0 46 N	LII NOOOSADD	1470540		110	5V/500mA out, TO-252-3	
O-16_N	ULN2003ADR	1470513		U2	0. 104 M #: 1	1
O-16_N	74HCT157N			U3	Quad 2-1 Multiplexor	1
SQFP50P900X900-48M	MK20DX128VLF5	0545000		U4	Arm Cortex M4	1
0-8_L	MAX31855KASA+T	2515622		U5, U6	O LIONAL (ANALATURE ONT 15155)	2
rystal_SMT - ABM3B	ABM3B-8.000MHZ-B2-T	2467818		Y1	Crystal 8MHz (MINIATURE SMT ABM3B)	1 65
pproved		Notes				