





Bill of Materials			T-962a Oven Controller			
Source Data From:		T962a.PrjPCB				
Project:		T962a.PrjPCB				
Variant:		None				
Creation Date:	20/09/2016	2:55:08 PM				
Print Date:						
Print Date:	20-Sep-16	2:55:19 PM				
Footprint	Comment	Farnell PN	Digikey	Designator	Description	Quantity
Bridge-SMT	DF10S	2101164		BR1	bRIDGE rECTIFIER	1
BUZZER_Small	Buzzer_PCB (Adafruit)			BZ1		1
CCNP2012-0805	100nF			C1, C5, C7, C10, C11, C12, C14	Capacitor, Capacitor, Capacitor SMT 0805, Capacitor SMT 0805, Capacitor, Capacitor SMT 0805, Capacitor	7
RB5/10x13mm	470uF/25V	2469425		C2, C3	Polarized Capacitor	2
CCNP2012-0805	4u7/10V			C4	Capacitor SMT 0805	1
CCNP2012-0805	2u2F			C6	Capacitor	1
CCNP2012-0805	2u2F/6V			C8	Capacitor	1
CCNP2012-0805	10nF			C9, C13	Capacitor SMT 0805	2
SOT23	PMEG2005CT	2459194		D1	Dual Schottky Diode (SMT)	1
_ED-SMT-2	LED Red	5790839		D2, D3	LED (Red SMT)	2
HDR2X5S	2x5 Header			H1	Header 2x5	1
CR2012-0805	FB	1515661		L1, L2	Ferrite Bead (0805) 0.045OHM, 2A	2
_CD_XC-4617	LCD-XC-4617			LCD1	LCD 128 x 64 pixel, ST7920 controller & contrast pot (Jaycar XC-4617)	1
HDR1X8S	Header 1x8			LCD1a	Header, 10-Pin, Right Angle	1
HDR1X4H	Header 1x4H			P1	Header, 5-Pin, Right Angle	1
HDR1X6H	Keyboard			P2	Header, 6-Pin	1
SWD-2x5	SWD2X5			P3	SWD Connector 2x5-Pin	1
CR2012-0805	1K			R1, R7	Resistor	2
CR2012-0805	4K7			R2, R3, R4, R5, R6	Resistor	5
CR2012-0805	DNP			R8	Resistor	1
CR2012-0805	10K			R9, R10	Resistor	2
CR2012-0805	33R			R11, R12	Resistor	2
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
PCBPIN - 0.9mm	TP			TP1, TP2	Test Point	2
SO-16_N	ULN2003ADR	1470513		U1		1
TO-252	NCP5501DT50RKG	2532866		U2	Fixed LDO Voltage Regulator, 2.5V-16V in, 230mV Dropout, 5V/500mA out, TO-252-3	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
Approved		Notes				52