Title TS2 68000 Single Board Computer
Company Jeff Tranter
Revision 2
Date Issue 2016-11-30

Reference	Value	Type	# Pins	Comments
C1	0.1uF	capacitor	n/a	
C2	0.1uF	capacitor	n/a	
C3	0.47uF	capacitor	n/a	
C4	100 uF 16V	capacitor	n/a	Power supply filter
C5, etc.	0.1uF	capacitor	n/a	Bypass caps, one per IC (31 needed)
D1	RESET/HALT	diode	n/a	LED, red
D2	POWER	diode	n/a	LED, green
J1	Baud rate select	jumper	n/a	1 6-position jumper (or hardwire)
J2	DTACK speed select	jumper	n/a	4 2-position jumpers or 4 pos DIP switch
P1	FTDI (TERMINAL)	socket	6	6 pin sip socket
P2	FTDI (HOST)	socket	6	6 pin sip socket
R1	1M	resistor	n/a	
R2	4.7K	resistor	n/a	All 20 4.7K resistors use 8-position SIPs (qty 3)
R3	4.7K	resistor	n/a	
R4	1M	resistor	n/a	
R5	4.7K	resistor	n/a	
R6	470	resistor	n/a	
R7	4.7K	resistor	n/a	
R8	4.7K	resistor	n/a	
R9	4.7K	resistor	n/a	
R10	4.7K	resistor	n/a	
R11	4.7K	resistor	n/a	
R12	4.7K	resistor	n/a	
R13	4.7K	resistor	n/a	
R14	4.7K	resistor	n/a	
R15	4.7K	resistor	n/a	
R16	4.7K	resistor	n/a	
R17	4.7K	resistor	n/a	
R20	15M	resistor	n/a	Unusual value

R21	4.7K	resistor	n/a		
R22	4.7K	resistor	n/a		
R23	4.7K	resistor	n/a		
R24	4.7K	resistor	n/a		
R25	330	resistor	n/a		
R26	4.7K	resistor	n/a		
R27	4.7K	resistor	n/a		
SW1	RESET	switch	n/a	SPDT momentary	
SW2	SINGLE STEP/RUN	switch	n/a	SPDT	
SW3	STEP	switch	n/a	SPDT momentary	
U1	555	IC, timer	8		
U2	8 MHz	IC, oscillator	14		
U3	74LS00	IC	14		
U4	74LS06	IC	14		
U5	74LS04	IC	14		
U6	68000	IC, CPU	64	8 MHz	
U7	74LS08	IC	14		
U8	74LS32	IC	14		
U9	74LS32	IC	14		
U10	74LS32	IC	14		
U11	HM6264	IC, static RAM	28		
U12	28C64	IC, EEPROM	28	Or 2764 EPROM	
U13	HM6264	IC, static RAM	28		
U14	28C64	IC, EEPROM	28	Or 2764 EPROM	
U15	HM6264	IC, static RAM	28		
U16	28C64	IC, EEPROM	28	Or 2764 EPROM	
U17	HM6264	IC, static RAM	28		
U18	28C64	IC, EEPROM	28	Or 2764 EPROM	
U19	74LS20	IC	14		
U20	74LS74	IC	14		
U21	74LS161	IC	16		
U22	74LS161	IC	16		
U23	74LS74	IC	14		
U24	74LS260	IC	14		
U25	74LS260	IC	14		

U26	74LS138	IC	16	
U27	25LS2548	IC	20	
U28	74LS04	IC	14	
U29	6850	IC, ACIA	24	
U30	6850	IC, ACIA	24	
U31	MC14411	IC, baud generator	24	
Y1	1.8432MHz	crystal	n/a	
n/a	IC sockets	misc.	various	Wirewrap type. May need to make 64-pin from two 40-pin sockets.
n/a	wire	misc.	n/a	Wirewrap wire
n/a	protoboard	misc.	n/a	