

**Altair 680  
Replacement  
Turnkey Panel**

**User's Manual**

## Introduction

This is a replacement PCB for the Altair Turnkey Front Panel PCB. It is called a replacement since it was made from an MITS schematic with no photo or scan of the board being available. While this board and its matching dress panel will replace a genuine Altair turnkey board/dress panel it will not have the same locations for switches and LEDs.

## Building the Board

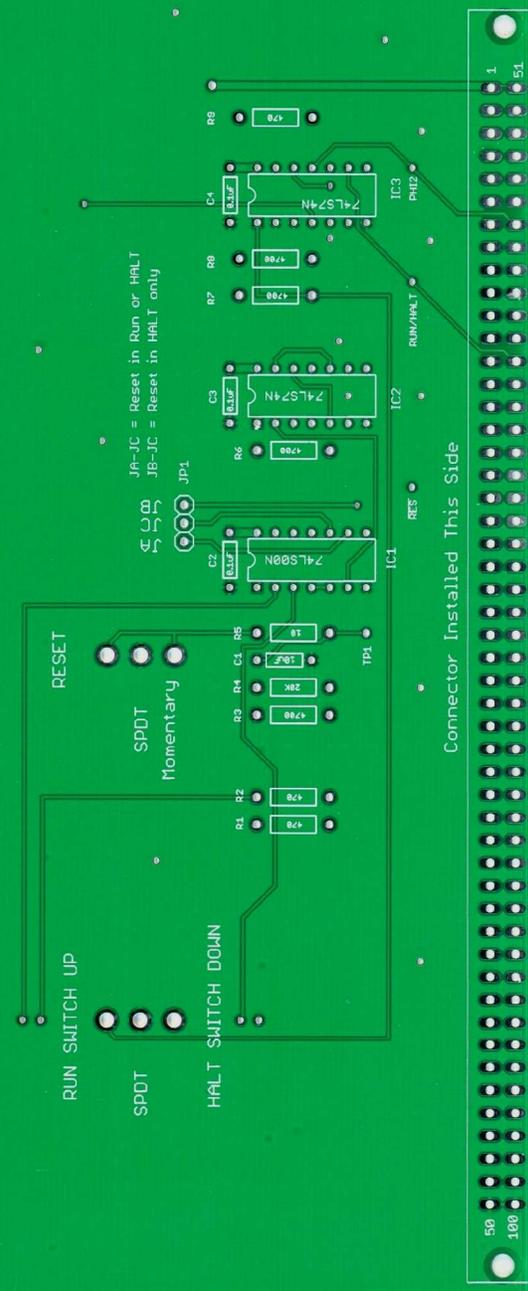
The MITS assembly manual is not available. Fortunately, this is a simple board. Use the silkscreen for part placement. The LEDs should be spaced out 0.5" from the board to the bottom of the LED. Use the dress panel to help align the parts.

# Altair 680 Turnkey Panel - Parts List

QUANTITY	DESIGNATION	DESCRIPTION
1	IC1	74LS00
2	IC2,IC3	74LS74
3	LED1-LED3	LED T-1 3/4 Digikey - HLMPD150A
3	R1,R2,R9	470 Ohm 1/4 Watt
4	R3,R6-R8	4.7K Ohm 1/4 Watt
1	R4	20K Ohm 1/4 Watt
1	R5	10 Ohm 1/4 Watt
4	C1	10uF 16V
3	C2-C4	0.1uF 16V
1		3x1 header strip
1		Shorting Shunt
3		14 pin IC socket
1		100 Pin Connector - Sullins - EBA50DRTH
1		DPDT Switch - Mouser - 100SP1T1B1M2REH
1		DPDT -Center off - Momentary - 100SP4T1B1M2QE
1		Dress Panel

# Altair 680 Turnkey Front Panel

This Side Toward Main Board  
Switches and LEDs Installed on other side



Peripheral Technology  
REU 1

