

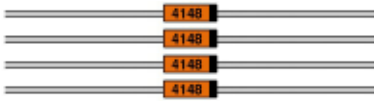
# XFD Visual Bill of Materials

**Please Note:** this circuit can be used with audio or video synths. If using with video, you will need to populate an additional 4 ceramic caps, and you will need LM6172 ICs instead of TL072

## Logic Board

### Diodes

1N4148 - D1, D2, D3, D4



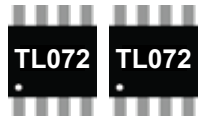
Total=4

### Integrated Circuits

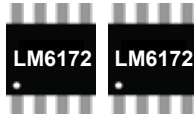
8-Pin Dip Socket - U3, U4



Audio:  
TL072



Video:  
LM6172



Total=4

### Capacitors

10 $\mu$ F Electrolytic - C7, C8



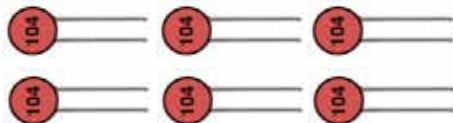
Audio:

0.1 $\mu$ F - C4, C5



Video:

0.1 $\mu$ F - C1, C2, C3, C4, C5, C6



Total=4 or 8

### Resistors

220 $\Omega$  - R1



Audio:

1k $\Omega$  - R2



Video:

75 $\Omega$  - R2



4.7k $\Omega$  - R3, R4

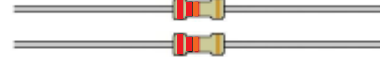


8.2k $\Omega$  - R5

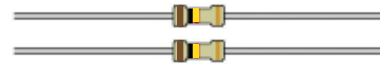


### Resistors Cont.

22k $\Omega$  - R6, R7



100k $\Omega$  - R8, R9



Total=9

### Headers and Connectors

10 Pin Shrouded Header - P1



4-Pin Header - P2, P3



Total=3

### Transistors and Voltage Regulators

2N3904 - Q1, Q2



Total=2

### Potentiometers

100k Single Turn Trimmer - TR1



Total=1

### Other

VTL5C3 Vactrol - U1, U2



Total=2

# XFD Visual Bill of Materials

## Control Board

### Headers and Connectors

4-Pin Socket - J5, J6



Total=2

### Jacks

3.5mm Mono Jack- J1, J2, J3, J4



Total=4

### Potentiometers

B100k Center Detent 20mm LED Slide Pot - R1



Total=1

### Hardware

10mm Standoff



11mm Standoff



2.5mm Screws



3mm Screws



2.5mm Black Hex Screws



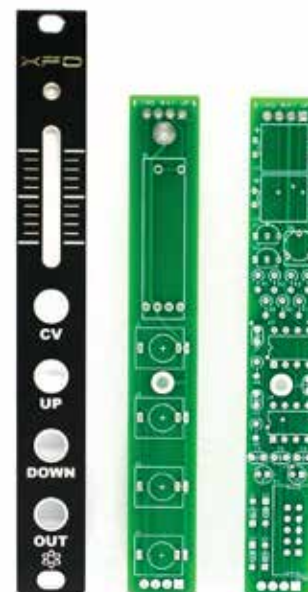
Total=10

### Other

10 to 16 Power Cable



### PCBs and Panel



Total=4