TK-II-XEGS-S
Bill of Materials

QTY	Part Number	Description
1	PIC16F1847	18 pin DIP Flash Microcontroller 16 I/O lines Internal 32 Mhz Oscillator 14 Kbytes Program Memory 1024 bytes Linear Data Memory 256 bytes Data EEPROM
1	526213	18 pin IC Socket
2	CF1/4W331JRC	330 ohm ¼ watt resistors
1	P20R104K5-F	0.1uf axial capacitor
1	1008-15S-R	D-SUB Right Angle 15 pin female PCB connector
1	DN-508E-6A-L	PS/2 Right Angle 6 Pin female PCB connector
1	071676	(StarTech P/N) Keyboard/Mouse Splitter Cable – **OPTIONAL**
2	1581530	4-40 threaded right angle bracket (Keystone 621) – **OPTIONAL**
1	117382	D-SUB 15 pin male crimp ribbon connector – **OPTIONAL**

With the exception of the microcontroller and the StarTech splitter cable, all part numbers are for Jameco.com

Note: The last two items are optional accessories to be used for non-XEGS applications, where the POKEY and Console Switch connections need to be soldered to the Atari motherboard (Models: 400, 800, 600/800/1200XL, 65/130XE), due to no sockets or interference problems with other upgrades.

The idea is to use the D-SUB 15 male ribbon connector to provide the solder in wire jumper connections (via flat ribbon cable), and the right angle brackets to provide panel mounting of the TK-II board into the Atari computer's enclosure. The D-SUB 15 male & female connectors can be dispensed with, if the jumper wires are to be directly soldered to the pads on the TK-II's PCB.

The StarTech splitter cable is only required if mouse connection is desired.