



**PARTSLIST:**

Q1 - 2N7000 - Digikey #2N7000FS-ND  
 R1 - 4.7K 1/4W - Digikey #4.7KQBK-ND  
 R2 - 470ohm 1/4W - Digikey #470QBK-ND  
 D1 - 1N4148 - Digikey #1N4148FS-ND  
 C1 - 4.7uF 6.3v - Digikey #399-1302-ND  
 IC1 - 78L05AC - Digikey #296-1365-1-ND  
 TTY SX - made from JameCo #70826CH  
 Misc: perf board, stereo phone jack, ...

**NOTES:**

1. Most motherboard serial port headers are as shown here, but may differ.
2. Box connector pinout is the same as for a DB9.
3. PVR250 subminiature phone jack is wired as:  
 TIP - +5volt supply to IR DIODE  
 innermost RING (nearest to TIP) - IR SIGNAL  
 outermost RING (farthest from TIP) - GROUND
4. R2 functions as a current limiter to protect the IR diode (from miswiring).

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