

[PAD1]: Scope grounding point for analog measurements
[U3] Linear temperature sensor connected to AN07. Output is 19.5mV per degree C (i.e. 4 counts on the 10-bit A/D)
[R2] Light-dependent resistor connected to AN06 as part of a voltage divider
[J7] ANO - AN4: five Analog Inputs brought out for user, via ESD protection circuit. Any of these may alternatively be used as digital inputs. AGND connection points provided adjacent to each channel.
[POT1]: 10K linear taper potentiometer connected to AN05 as a voltage divider
[LED1]: 10-segment LED bargraph (8 center segments connected to PortH; outside 2 segments brought out to J2)
[LS1] Audio transducer driven by Q3 off PP7. (Can be disabled by removing W1.)
[SW2]: pushbutton wired in parallel with SW1 MSB (i.e. PT7)
[J3,J4]: connections for two R/C hobby servos; driver code must be implemented by user
Order Codes: #EVALH1MIN-x (no options, no LCDs, no keypad) * note: keypad and cables for all connectors NOT included X replace "x" in order code with desired connector option code Accessories: Keypad, 4x4: #MK4X4 Keypad, 3x4: #MK4X4 Keypad, 3x4: #MK3X4 LCD, 16x4, non-backlit: #LCD16X4 LCD, 20x4, LED-backlit: #LCD20X4-LB

XBee ZigBee radio module with chip antenna: #XB24-Z7CIT-004 USB-to-Xbee host adapter: #USB2X

USB-to-MCU interface adapter: #USB2MCU

[SW3,SW4]: XIRQ and IRQ interrupt buttons

[PAD3]: Scope grounding point