Transmitter: Internal 916.5 MHz **RF Oscillator** and 460.8 kc/s Spreading Code Oscillator DM1810-916 Block Diagram J1-10 **GND** CNTRL0 J1-9 SERIAL TX **GND** J3-3 CNTRL1 J1-8 SERIAL RX J3-2 TR8100 RX DATA DIGITAL OUT **→** J1-7 ASH TXMOD **GND** J3-1 Transceiver < PIC J1-6 ANALOG IN 16F689 J1-5 DIGITAL IN μΡ \triangle Receiver: RSSI J1-4 BIND Internal 460.8 kHz **Amplifier Sequencing** VOUT → J1-3 Pulse Generator LED 1 3 V J1-2 VIN Reg D2 J1-1 GND LED 2

External Crystal Reference - 8 MHz