

1. Features

This document specifies the RS232C communication protocol of the Advance-Intelligent UPS.

USB :

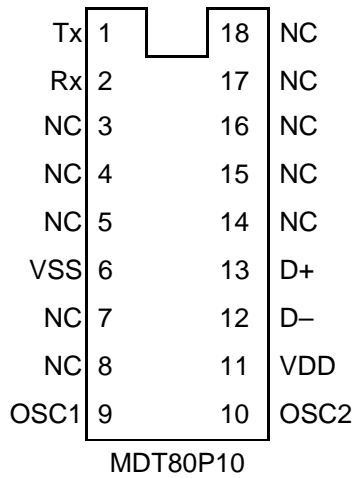
- ◆ Special designed MCU for USB
- ◆ Meet low-speed (1.5Mbps) USB spec Version 1.1
- ◆ Support 1 device address and 3 endpoints
- ◆ 8-bit data bus

UART :

- ◆ BAUD RATE : 2400bps
- ◆ DATA LENGTH : 8 Bits
- ◆ STOP BIT : 1bit
- ◆ PARITY : NONE

- ◆ Operating voltage: 4.5V ~ 5.5 V
- ◆ Oscillator frequency: 6 MHz/12MHz
- ◆ Power-on Reset
- ◆ Power edge-detector Reset
- ◆ 4 interrupt sources:
 - TMR0 timer
 - USB Endpoint 0
 - USB Endpoint 1
 - USB Endpoint 2
- ◆ 2 types of oscillator can be selected by programming option:
 - XTAL – Standard crystal oscillator
 - HFXT – High frequency crystal oscillator

2. Pin Assignment



3. Pin Function Description

Pin Name	I/O	Function Description
Tx	I/O	UART Output / Optional internal 80K pull-up resistor
Rx	I/O	UART Input / Optional internal 80K pull-up resistor
D-	I/O	USB D- / Need 7.5K pull-up resistor to Vcc
D+	I/O	USB D+
OSC1	I	Oscillator Input
OSC2	O	Oscillator Output
VDD		Power supply
VSS		Ground

