RS-232 Transceiver

2.9V <--- 5V
Level shifter

COM1 RS-485 Driver

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Title:  TS-8150  RS-232, RS-485
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COM Connectors and Headers

COM1

DB9M

COM2

Header

Beware Non-standard pin-out
Ethernet Ports

Port # 1
Gig MagJack

Port # 2
10/100 MagJack
DIO and LCD

DIO Port

Jumpers labeled "I2C" on PCB and "DIO8".

LCD Port

Warning:
LCD_D0 thru LCD_D7 are 5V tolerant
LCD_WR#, LCD_RS, and LCD_EN are not!

4.3V Supply

Warning:
DIO are not 5V tolerant!
Only SPI_MISO is 5V tolerant

Warning:
Provides 5V tolerance
All LCD pins are bi-directional DIO

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5V Power Supply (2.0 Amps)

Input Power
5.0V to 30V

![Schematic Diagram](image-url)
Board ID = 9

RTC Battery

Force Boot to SD card

Push Switch

1.2K should be near ON

JP6

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The SBC used to reset all peripherals

OFF_BD_RESET# is an output from the SBC used to reset all peripherals.

BUS_DIR is asserted to OFF_BD_RESET# to strap logic low for boot from the Boot Strap.

NAND Flash

12K pull-up resistor

POWER

Two 100-pin Module Connectors