5V Power Supply (2.0 Amps)

20-28 VDC
Power Input

A/D Converter

Board ID = 15
USB and Ethernet Ports

Primary Ethernet

USB Power Switch

Secondary Ethernet

External USB Port

Internal WiFi USB Port
Ethernet Power

Digi/MaxStream

XBee Radio

Ethernet Power Switch

Technologic Systems

Date: Nov. 25, 2012

Title: TS-8380 Ethernet Power

Rev: A  Designer RLM  Sheet 5 of 10
7 inch LCD Conn.

[Diagram of 7 inch LCD connections with labeled pins and connections, showing the connections for various signals such as VGH, VGL, ANALOG_VDD, RESET#, NC, VCOM, DITHER#, GND, LEFT/RIGHT, UP/DOWN, Vsync, Hsync, DE, MODE, DIG_3.3V, and various power and control lines.]

FCI# 62684-501100ALF
Two 100-pin Module Connectors

**Boot Strap**

<table>
<thead>
<tr>
<th>Mode</th>
<th>SBC Boots From</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NAND Flash</td>
</tr>
<tr>
<td>0</td>
<td>SD Card</td>
</tr>
</tbody>
</table>

**Notes:**
- **OFF_BD_RESET** is an Output used to reset all peripherals.
- **EXT_RESET** is an Input used to reboot the CPU.
- Do not drive active high (use open drain).

**System Clocks:**
- 12C
- 12S
- **SYS_CLK**
- **AUD_CLK**
- **AUD_FRM**
- **AUD_RXD**
- **AUD_TXD**
- **USB_OTG_5V**
- **USB_OTG_ID**

**Connectors:**
- Two 100-pin Module Connectors
- TYCO_100PIN_BASEBOARD
- TS-8380 TS-Socket Connectors

**Other Components:**
- NAND Flash
- SD Card
- Ethernet
- USB Ports
- Serial Ports
- Console

**Other Notes:**
- GND = Host Mode
- GND = Serial Mode