

Model Name : Tablet PC System

Project Number : TTAB910


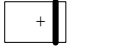

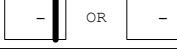






Friday, March 21, 2003
Revision : 030

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Naming Conventions


| | |
|-----|------------------------|
| B | Battery |
| C | Capacitor |
| D | Diode |
| F | Poly Switch |
| H | Hole |
| J | Connector |
| L | Inductor |
| Q | Transistor |
| R | Resistor |
| PR | Resistor Pack |
| S | Switch |
| U | Arbitrary Logic Device |
| Y | Crystal |
| _RV | Stuff option part |

RECOGNITION:

| | PCB LAYOUT | REAL SAMPLE |
|----------|---|---|
| TANT CAP |  |  |
| DIODE |  |  |
| SP CAP |  |  |
| AL CAP |  |  |
| LED |  |  |

Lin[®]
Arvin

Jeremy
Cheng

| | | | |
|---|--------------------|--|------|
|  | | TATUNG CO. Computer R&D Division | |
| Title: Cover Sheet | | | |
| Size: C | Module Name: TANGY | | Rev: |
| Date: | Sheet: 1 of 29 | | |

PCI Devices

IDSEL#

REQ/GNT#

PCICLK

Interrupt

SMBUS

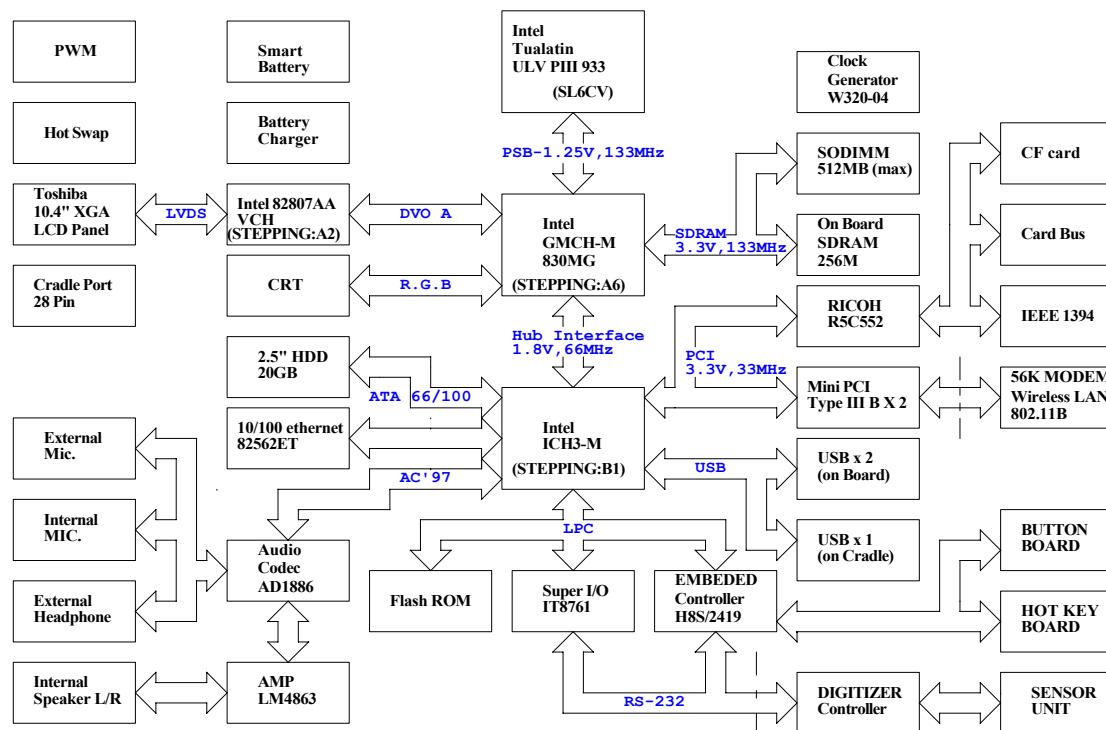
ADDRESS MAP

| | | | | | | |
|-----------------------------|------|------------|-----------|-------|----------------|-----------|
| (Hub to PCI) | AD30 | n/a | PCI_CLK_F | n/a | W320-04: | 1101 001x |
| (LPC bridge/IDE/AC97/SMBus) | AD31 | n/a | n/a | n/a | ADM1032: | 1001 100x |
| R5C552 | AD25 | REQ1/GNT#1 | PCI_CLK1 | A,B,C | 82807AA: | 0000 000x |
| Mini PCI 1 | AD22 | REQ2/GNT#2 | PCI_CLK2 | A,D | OZ968: | 0101 000x |
| Mini PCI 2 | AD23 | REQ3/GNT#3 | PCI_CLK6 | C,D | MAX1645: | 0001 001x |
| (Audio,SMB Controllers) | n/a | n/a | n/a | B | SMART BATTERY: | 0001 011x |

GPIO Mapping

| GPIO | Signal name | Type |
|----------------------|-----------------------|-------|
| GPIO0 / REQA# | Pull up (S1) | I |
| GPIO1 / REQ# / REQ5# | Pull up (S1) | I |
| GPIO2 / INT_PIRQ# | Pull up (S1) | I |
| GPIO3 / INT_PIRQ# | IDE_PATADET | I |
| GPIO4 / INT_PIRQ# | Pull up (S1) | I |
| GPIO5 / INT_PIRQ# | Pull up (S1) | I |
| GPIO6 / PM_AGPBUSY# | Pull up (S1) | I |
| GPIO7 | Pull up (S1) | I |
| GPIO8 | PM_EXTSMI# | I |
| GPIO11 / SMB_ALERT# | Pull up (S5) | I |
| GPIO12 | EC_RUNTIME | I |
| GPIO13 | EC_WAKE_SCI# | I |
| GPIO16 / GNTA# | Pull up (S1) | O |
| GPIO17 / GNTB# | Internal Pull up (S1) | O |
| GPIO18 / PM_STPPCI# | PM_STPPCI# | O |
| GPIO19 / PM_SLP_S1# | PM_SLP_S1# | O |
| GPIO20 / PM_STPCPU# | PM_STPCPU# | O |
| GPIO21 / PM_C3_STAT# | IDE_IDERST# | O |
| GPIO22 / PM_CPUPERF# | PM_CPUPERF# | O |
| GPIO23 / PM_GMUXSEL | VR_HI/LO# | O |
| GPIO24 / PM_CLKRUN# | PCI_CLKRUN# | (I/O) |
| GPIO25 | Pull up (S5) | I/O |
| GPIO27 | Pull up (S5) | I/O |
| GPIO28 | Pull up (S5) | (I/O) |
| GPIO32 / USB_LED#0 | Pull up (S1) | I/O |
| GPIO33 / USB_LED#1 | DIGITIZER_EN# | (I/O) |
| GPIO34 / USB_LED#2 | IDE_IDEPWREN# | I/O |
| GPIO35 / USB_LED#3 | Pull up (S1) | I/O |
| GPIO36 / USB_LED#4 | Pull up (S1) | I/O |
| GPIO37 / USB_LED#5 | Pull up (S1) | I/O |
| GPIO38 / USB_LED#0 | Pull up (S1) | I/O |
| GPIO39 / USB_LED#1 | Pull up (S1) | I/O |
| GPIO40 / USB_LED#2 | Pull up (S1) | I/O |
| GPIO41 / USB_LED#3 | Pull up (S1) | I/O |
| GPIO42 / USB_LED#4 | Pull up (S1) | I/O |
| GPIO43 / USB_LED#5 | Pull up (S1) | I/O |

BLOCK DIAGRAM



Mini-PCI Module EM9-NB Block Diagram

