

Model Name : Tablet PC System

Project Number : TTAB910

Friday, October 04, 2002
Revision : 030

TITLE	PAGE
COVER SHEET	1
BLOCK DIAGRAM	2
DEVICE POWER MAP	3
ULV PIII 866/400 TUALATIN - A	4
ULV PIII 866/400 TUALATIN - B	5
ITP PORT & IDE Connector	6
EMBEDED CONTROLLER	7
CORE POWER SUPPLY	8
5V and WAKEUP EC	9
1.25/1.5V POWER SUPPLY	10
3.3V/1.8V_S1/S3 POWER SUPPLY	11
3.3V/1.8V_S5 POWER SUPPLY	12
BATTERY CHARGER & HOT SWAP	13
Intel GMCH 830MG-A	14
Intel GMCH 830MG-B	15
CLOCK GENERATOR [W320-04]	16
Intel ICH3-M-A	17
Intel ICH3-M-B	18
ONBOARD SDRAM	19
SO-DIMM X 1	20
Intel 82807AA VCH	21
AC97 AUDIO CODEC [AD1886]	22
CARD BUS & IEEE_1394	23
CF & PCMCIA SLOT	24
ONBOARD LAN & MODEM CONNECTOR	25
USB & CRADLE CONNECTOR& Super I/O	26
MiniPCI Type IIIB X 2	27
BIOS & CRT & DIGITIZER	28
REVISION HISTORY	29

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

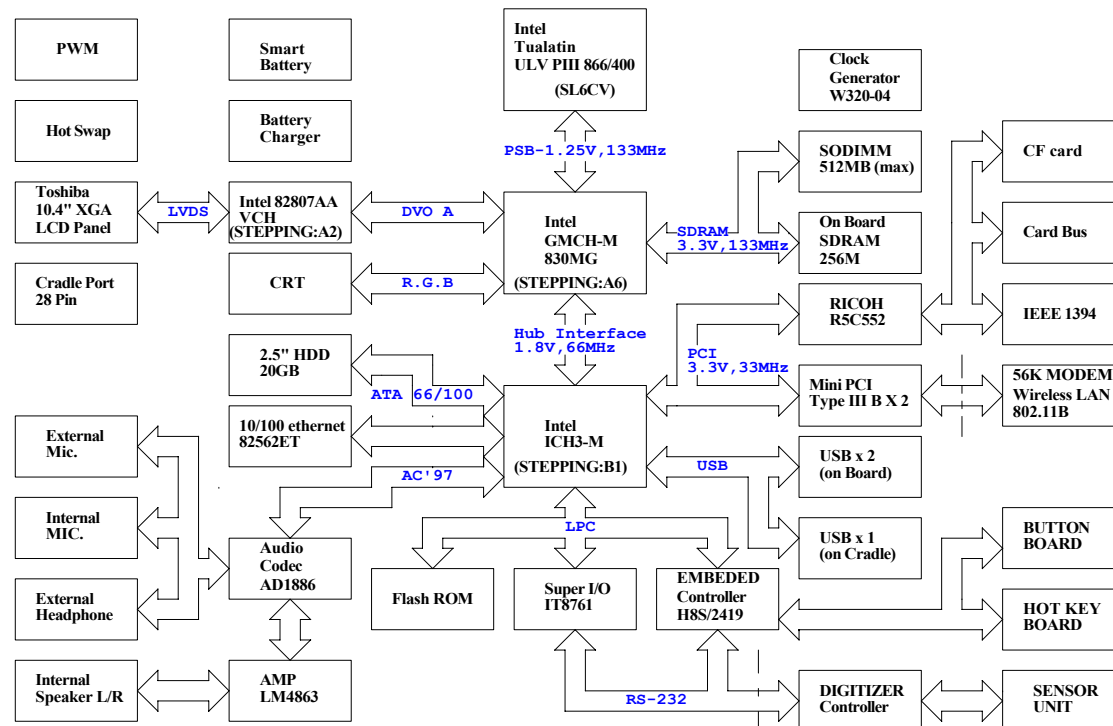
(Hub to PCI)	AD30	n/a	PCI_CLK_F	n/a
(LPC bridge/IDE/AC97/SMBus)	AD31	n/a	n/a	n/a
R5C552	AD25	REQ1/GNT#1	PCI_CLK1	A,B,C
Mini PCI 1	AD22	REQ2/GNT#2	PCI_CLK2	A,D
Mini PCI 2	AD23	REQ3/GNT#3	PCI_CLK6	C,D
(Audio,SMB Controllers)	n/a	n/a	n/a	B

W320-04:	1101 001x
ADM1032:	1001 100x
82807AA:	0000 000x
OZ968:	0101 000x
MAX1645:	0001 001x
SMART BATTERY:	0001 011x

GPIO Mapping

GPIO	Signal name	Type
GPIO0 / REQA#	Pull up (S1)	I
GPIO1 / REQB# / 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

