

GENE-1350

P5 Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____				
	Test Result Summary				
	Critical	Major	Minor	Enhancement	
Defect Found	0	0	0	0	
Defect Unsolved	0	0	0	0	

Issue date

2011/01/05

Approval

Jansin Lee

Test Engineer

Anderson Lin

Platform Information:

Product Model	GENE-1350
Description	TI OMAP 35X SubCompact Board
Test Configuration	<input checked="" type="checkbox"/> New product : <input checked="" type="checkbox"/> CPU Board : GENE-1350 <input checked="" type="checkbox"/> VGA Chipset : Integrated in TI OMAP 3 processor <input checked="" type="checkbox"/> Audio Chipset : Philips UCB 1400 <input checked="" type="checkbox"/> Ethernet Chipset : 10/100 Base-T, Davicom DM9000AEP <input checked="" type="checkbox"/> Remark : GENE-1350 P5Test Report

Item	Device Information	Test Item
PCB Model / Version	GENE-1350 A1.0	1,2,3,4
CPU Type	TI OMAP 3530	1,2,3,4
Memory Type	Onboard 128 MB LP DDR RAM	1,2,3,4
SATA HDD	N/A	1,2,3,4
LCD Monitor	Samsung SyncMaster 171S 17"	1,2,3,4
LCD	N/A	1,2,3,4
Compact Flash	N/A	1,2,3,4
Riser Card	N/A	1,2,3,4
Backplane	N/A	1,2,3,4
OS Install	Windows CE 6.0 English Version(Build 3122)	1,2,3,4
Power Supply	AT Power: EMACS SP2-4400F	1,2,3,4
Battery	PC3200 DC 11.1V 4400mAH	1,2,3,4

Test Result for Certification

1. System Clock & RTC Clock Test

Item Function	Time Interval	Margin for error	Actual	Result			Note
				Pass	Fail	N/A	
RTC Clock in Power On Mode	24 hrs	+/-3 sec	+2 Sec	X			
RTC Clock in Power Off Mode	24 hrs	+/-3 sec	+2 Sec	X			

2. Power Consumption Test

Test Environment	AT Power: EMACS SP2-4400F	Note
Model		
CPU	TI OMAP 3530	
HDD	Onboard 128 MB NOR Flash	
RAM	Onboard 128 MB DDR RAM	
OS Environment	Windows CE 6.0	
Normal Mode (+12V)	0.64	A

3. I/O Peripheral Function Test

I/O Peripheral Function Test –I/O Function	Result			
	Pass	Fail	N/A	Notes
Floppy Connector / Driver A:			X	
EIDE Connector			X	
Compact Flash			X	
DOC (Disk On Chip)			X	
DOM (Disk On Module) – 40 Pin			X	
DOM (Disk On Module) – 44 Pin			X	
COM 1- 232	X			
COM 2-232	X			
COM 2-422	X			
COM 2-485	X			
COM 2-Ring /+5V /+12V	X			
PS/2 Mouse & Keyboard (Internal)			X	
PS/2 Mouse & Keyboard (External)			X	

Audio Connector	X			
LPT 1			X	
JTAG Connector			X	
UART Function			X	CN8
SIM Card Connector			X	CN9
RTC Battery Connector	X			CN16
USB 1&2 Ports	X			
USB 2.0 1 & 2 Ports	X			
USB Client	X			CN23
DVI Function			X	
VGA Function	X			
DIO Connector	X			
PC/104			X	
PC/104-Plus			X	
PCI-104			X	
TFT TTL LCD	X			
TFT LVDS LCD	X			
TV-out / S Terminal			X	
TV-out / AV Terminal			X	
Touch Screen – 4 Wire	X			
Touch Screen – 5 Wire			X	
DIMM Slots			X	
Watchdog IRQ n			X	
Watchdog Software Control	X			
CPU FAN Connector			X	
System FAN Connector			X	
Jumpers Function	Result			
	Pass	Fail	N/A	Notes
Reset Selection	X			JP1
COM2 VCC Selection	X			JP2
COM2 RS232/422/485 Selection	X			JP3
LVDS Backlight voltage Selection	X			JP4
Power Connector & Function	Result			
	Pass	Fail	N/A	Notes
ATX Power Connector			X	
ATX Power_12V Connector			X	
AT Power Connector (P8 & P9)			X	
Big 4P Power Connector (Input 12V)	X			
Mini 4P Power Connector			X	
External Power Connector (-12/-5V)			X	
Option ATX Power Connector (PS-ON / +5VSB)			X	
I/O Peripheral Function Test – PCI Connector & Function	Result			
	Pass	Fail	N/A	Notes
PCI Slots			X	
PCI Express			X	
Mini PCI	X			

Mini PCI-E	X			
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4. Hardware Compatibility (O.S is Windows CE 6.0)

On Board Audio Function Test					
Audio Basic Function Test		Result			
		Pass	Fail	N/A	Notes
System Sound		X			
Play Sound Recorder		X			
Line Out		X			
Line In		X			
Line In Sound Record		X			
MIC Speaker	Dynamic	X			
	Condenser	X			
MIC Sound Recorder	Dynamic	X			
	Condenser	X			
Audio 5.1 Channel with S/P DIF Function Test		Pass	Fail	N/A	Notes
2-channel mode for stereo speaker output		X			
4-channel mode for 4 speaker output				X	
6-channel mode for 5.1 speaker output				X	
S/P DIF function Test	Input			X	
	Output			X	
USB Basic Function Test		Pass	Fail	N/A	Notes
USB Controller		X			
USB 2.0 Controller				X	
USB Keyboard Support		X			
USB Mouse Support		X			
USB 1.1 Compatible Test		Pass	Fail	N/A	Notes
USB Floppy		X			
USB 2.0 Compatible Test		Pass	Fail	N/A	Notes
USB Pen Drive		X			
Floppy Disk Controller Function Test		Pass	Fail	N/A	Notes
Copy and compare file between C: and A / B:				X	
Change Floppy to None value				X	
Swap FDD				X	
Peripheral Compatibility-Storage Device					

Model	Interface	Result			
		Pass	Fail	N/A	Notes
FUJITSU MCB3064SS	SCSI			X	
IO-Mega zip 100 parallel port	Parallel			X	
IO-Mega zip 100MB Internal ATAPI Drive	IDE			X	
Transcend 4G CF	Type-I CF Card			X	
Digital I/O Connector Test under WinCE 6.0 with GPIO Tool	Result				
	Pass	Fail	N/A	Notes	
Input Address	X				
Output Address	X				
DIO-1 Function Test	X				
DIO-2 Function Test			X		
COM/LPT Ports & RS-232/422/485 Function Test	Result				
	Pass	Fail	N/A	Notes	
RS-232 for COM1	X				
RS-232 for COM2	X				
RS-422 for COM2	X				
RS-485 for COM2	X				
COM3			X		
COM4			X		
COM5			X		
COM6			X		
LPT1			X		
LPT2			X		
SD / SDIO CARD Function Test	Result				
	Pass	Fail	N/A	Notes	
Kingston 512Mb	X			CN27	
Transcend 4GB(SDHC)	X			CN27	
Transcend 2GB(MicroSD)	X			CN13	
Touch Screen Function Test	Result				
	Pass	Fail	N/A	Notes	
Touch Screen 10.2" 4-Wire Data Image FG100260DSSWAGT1(1024 X 600)(RD provided)	X				
Resolution Switching Function Test	Result				
	Pass	Fail	N/A	Notes	
320*240			X		
320*234			X		
480*234			X		
640*480			X		
1024*768	X				
CF CARD Function Test	Result				
	Pass	Fail	N/A	Notes	
Transcend 4GB(UDMA)			X		
Transcend 4GB(PIO)			X		