

### 3 . Power Consumption / Connector Test

#### Platform Information:

PCB Model & Version	SBC-657 Rev.A0.1(Sample#3)	BIOS:0.1(07/30/2002)
CPU Type & FSB	On Board VIA C3 667A MHz	
Memory Type	NEC D45128163G5-A80-9JF / PC100 / 128MB(SO-009)	
Power Supply	Seasonic SSG-250G / 250W	
VGA Card & Driver Version	On Board S3 Graphics Twister	
LAN Card & Driver Version	On Board Realtek RTL8139C	

#### Operating System Environment :

DOS 6.22	Config.sys	Device=c:\dos\setup.exe Device=c:\dos\power.exe dos=high files=30
	Autoexec.bat	c:\dos\smartdrv.exe/x @ echo off path c:\dos set temp=c:\dos

#### A. Power Consumption Test :

##### Test Software (DOS Mode):

Test Software	QAPlus/Fe 5.5 ( Run QAPlusfe.exe/ Memory module test programming )
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##### Test Result:

Mode Type	CPU TYPE	Note
	On Board VIA C3 667A MHz	
Normal Mode(+5V)	2.50 A	
Suspend Mode(+5V)	1.55 A	
Normal Mode(+12V)	0.14 A	
Suspend Mode(+12V)	0.13 A	
Normal Mode(+3.3V)	N/A	
Suspend Mode(+3.3V)	N/A	

#### B. Power Margin Test: Play VCD in Win 98 O.S.

Test Point:

1. Play VCD 10 Minutes.

**B-1 ATX Connector [Male] → ATX Power Supply : DEC DP-ATX725B / 250W [Female]  
[ V ] No Support.**

Voltage	Low/High Voltage 110 V / 220 V	Actual Voltage		Result				Note
		110 V	220 V	110V		220V		
				Pass	Fail	Pass	Fail	
5 V	4.75 V	V	V					
	5.25 V	V	V					
3.3V	3.135V	V	V					
	3.465V	V	V					
12 V	11.4 V	V	V					
	12.6 V	V	V					

**B-2 AT Connector [Male] → AT Power Supply : Seasonic SSG-250G / 250W**

[ ] No Support.

Voltage	Low/High Voltage 110 V / 220 V	Actual Voltage		Result				Note
		110 V	220 V	110V		220V		
				Pass	Fail	Pass	Fail	
5 V	5 V	5.02 V	5.02 V	V		V		
12 V	12 V	11.93 V	11.91 V	V		V		

**C. Power Connector Test : AT Power To ATX Motherboard**

[ V ] No Support.

Test Point:

- 1.O.S. : Play VCD in Win 98 O.S.
- 2.Play VCD 10 Minutes.

Note:

1. AT Power Supply : Seventeam ST-250 AF/250W ( Female ) .
2. Use transform cable : The cable is a AT connector ( Male ) transform into a ATX connector ( Female )

Voltage	Low/High Voltage 110 V / 220 V	Actual Voltage		Result				Note
		110 V	220 V	110V		220V		
				Pass	Fail	Pass	Fail	
5 V	5 V	V	V					
12 V	12 V	V	V					

**D. Power Support Test: 5V only operation**

[ Use Big / Small 4P Power Connector ]

[ V ] No Support.

Test Item	Result		Note
	Yes	No	
5 V			
12 V			