



EB-E36

Development Kit User's Guide

Date: Jul, 2006

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MANUAL REVISION HISTORY

Revision	Date	Update Summary
Issue A	Jul,2006	Initial release

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1. Development Kit Parts Introduction

1.1 Power Module Real picture

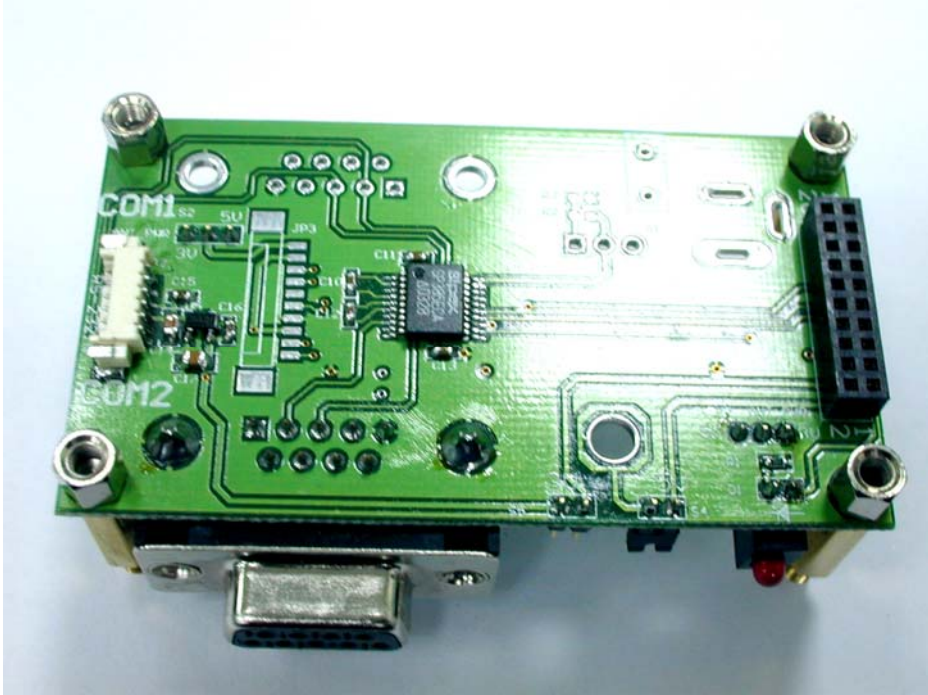


Figure 1: Power Module Top View Real Picture



Figure 2: Power Module Bottom View Real Picture

1.2 Medial Board Real picture

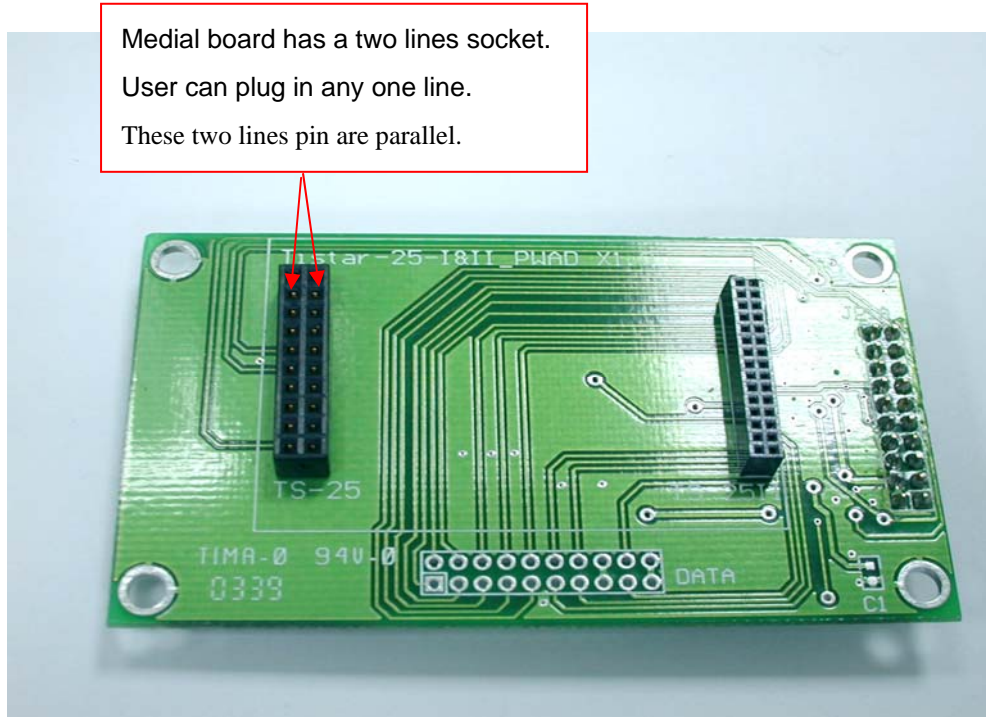


Figure 3: Medial Board Top View Real Picture

1.3 PS/2 Extend Cable Real picture



Figure 4: PS/2 Extend Cable Real Picture

1.4 RS-232 + PS/2 Cable Real Picture

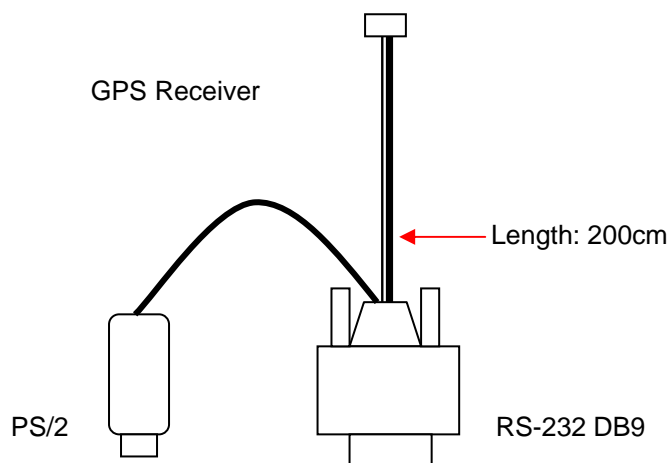


Figure 5: RS-232 + PS/2 cable



Figure 6: RS-232 + PS/2 Cable Real Picture

1.5 RS-232 + PS/2 Connector Pin Assignment

DB9 RS-232 Connector (Female)

Pin	Function	Input/Output	Level
1	NC		
2	TX0	Output	RS-232
3	RX0	Input	RS-232
4	NC		
5	GND	Ground	0V
6	NC		
7	NC		
8	NC		
9	1PPS	Output	LVTTTL

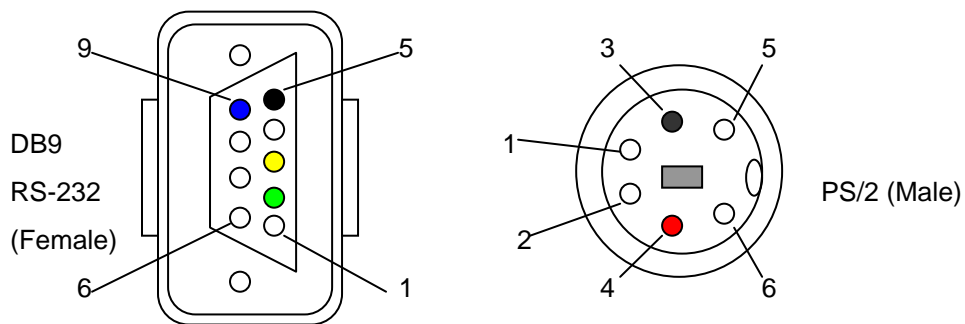


Figure 7: Connector Pin Assignment

PS/2 Connector (Male)

Pin	Function	Pin	Function	Pin	Function
1	NC	3	GND	5	NC
2	NC	4	VCC, 5V	6	NC

1.6 Active Antenna Real picture



2. Development Kit Assembly Step

Step 1: adjust jumper S5 and S4 to short S5 for 3.3V power input

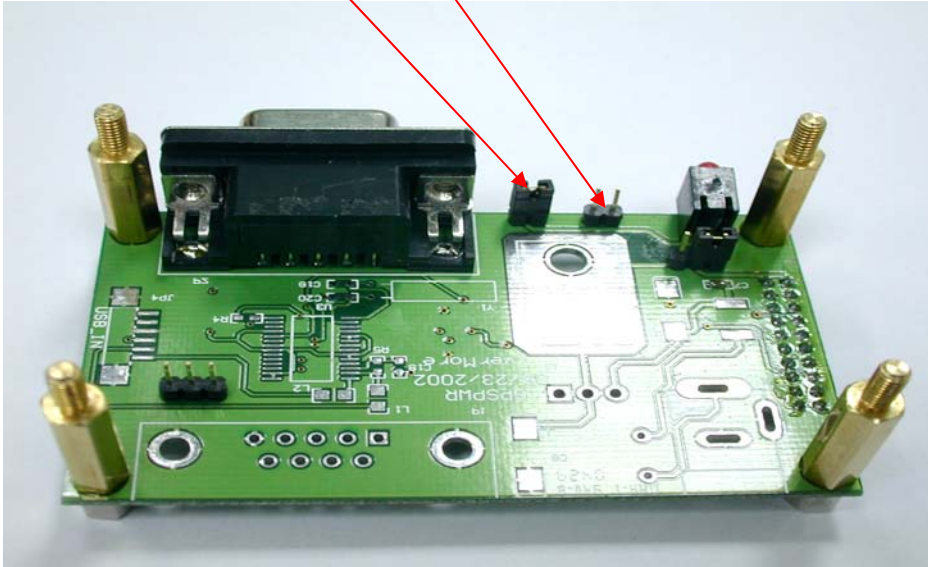


Figure 8: Power Module adjust jumper Real Picture

Step 2: adjust jumper S3 to short 3.3V antenna power input

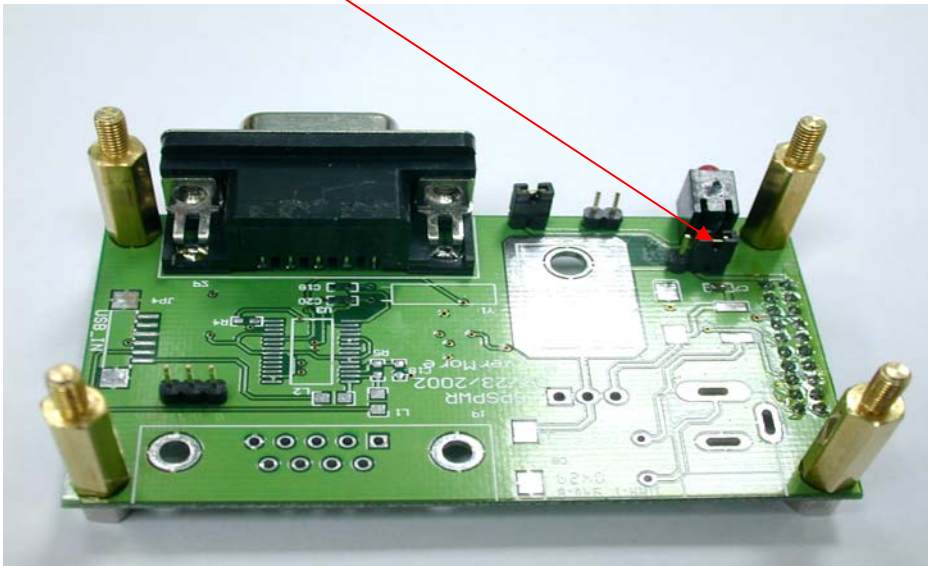


Figure 9: Power Module Adjust Jumper Real Picture

Step 3: RS-232 + PS/2 cable link to power module (Molex connector)

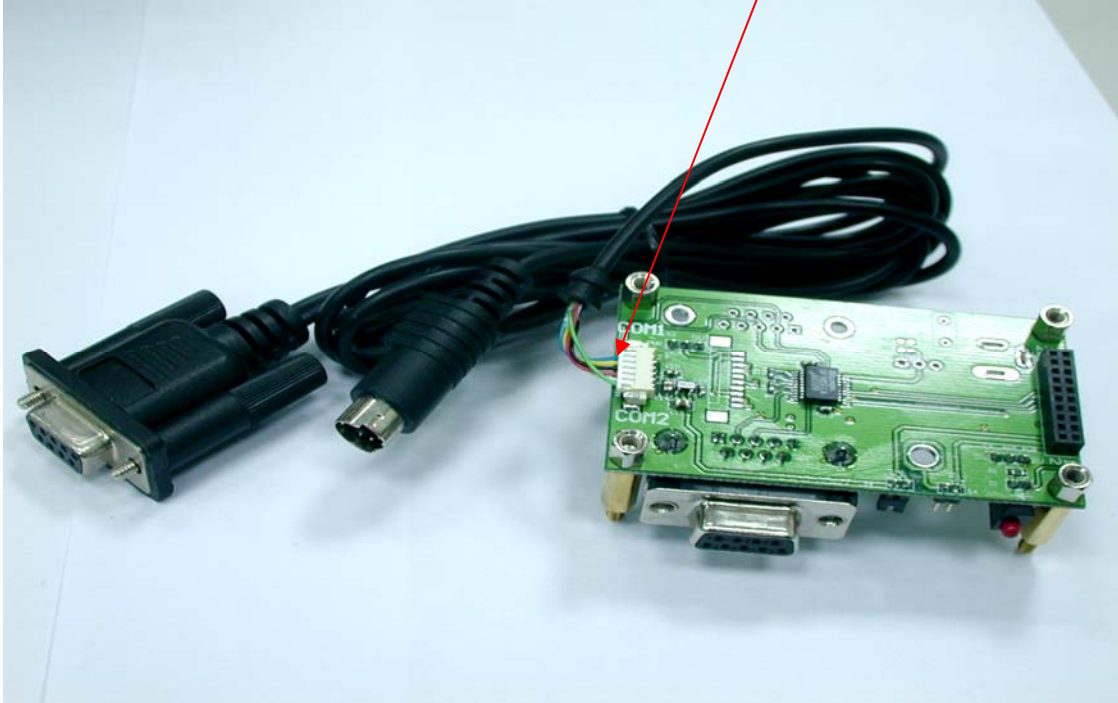


Figure 10: Molex connector Link to Power Module Real Picture

Step 4: to assemble medial board and power module

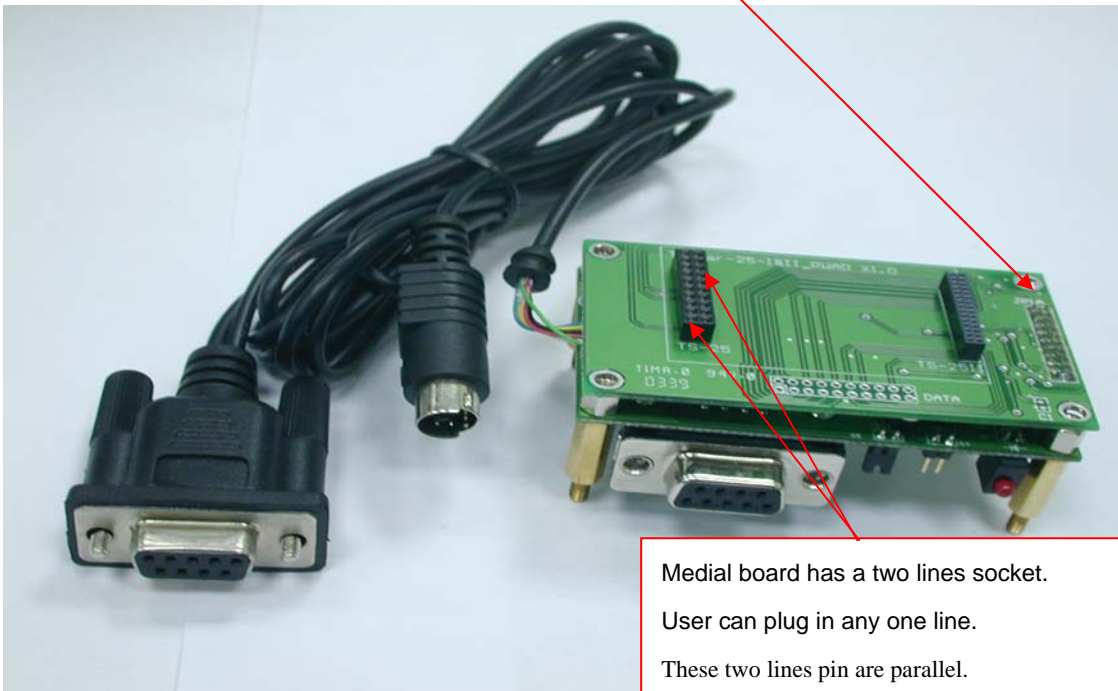


Figure 11: Medial Board Link to Power Module Real Picture

Step 5: to assemble medial board and EB-E36

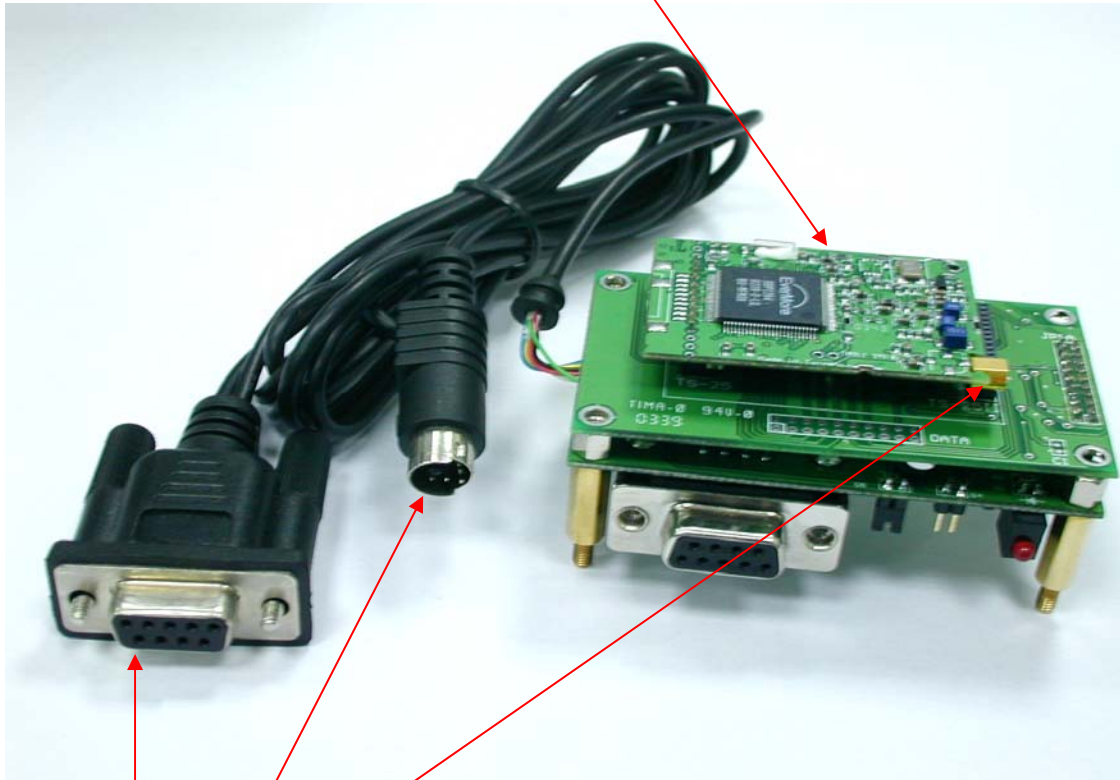
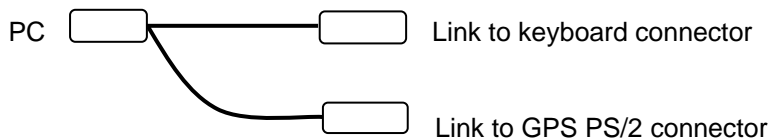


Figure 12: The final assembly

Step 6: antenna link to EB-E36

Step 7: RS-232 Connector link to PC COM port connector

Step 8: PS/2 Connector link to PS/2 extend cable



Step 9: to use GPS test program for testing