FAQ / Application Note

Subject : How to make COM RS-232 Loopback test device
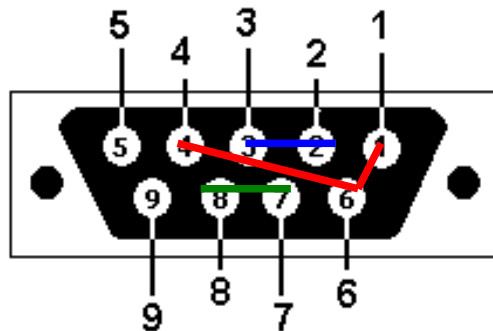
FAQ Document No: H10009	Date: 2010/04/09
Model Name. All	Rev. A1

Category: ☐General ■H/W ☐S/W ☐Others, __COM PORT__

Purpose: For easy to test RS-232 function if working.

1. COM Port D-Sub 9 Pin define:

1	DCD	Data Carrie Detect
2	RXD	Serial input
3	TXD	Serial output
4	DTR	Data Terminal Ready
5	GND	GND
6	DSR	Data Set Ready
7	RTS	Request to Send
8	CTS	Clear to Send
9	RI	Ring Indicator

2. Please following pin need to be connected together as below:

  A. PIN 2- 3 : Received and transmit.

  B. PIN 7- 8 : Request to Send and Clear to Send.

  C. PIN 1.4.6 : Data Carrie Detect, Data Terminal Ready and Data Set Ready.

3. Into Burn-In test Program, choose COM port number and speed to verify it.

BurnInTest - CPU - Maths

	Millions of Operations	
	Executed	Verified
dition	17.2	17.2
otraction	17.2	17.2
ltiplication	17.2	17.2
ision	17.2	17.2
Addition	17.2	17.2
Subtraction	17.0	17.0
Multiplication	17.0	17.0
Division	17.0	17.0

BurnInTest - 2D Graphics

Li:2.66M Sh:1.51M Re:1.86M

BurnInTest - CPU - MMX / SSE

BurnInTest - 3D Graphics

BurnInTest - Serial port test

Serial Port:	COM2
Speed:	38400 bits/sec
Bytes sent:	1183800
Bytes received:	1183800
Errors:	0
Throughput:	1672.0 Bytes/sec
Serial Port:	COM3
Speed:	38400 bits/sec
Bytes sent:	1183500
Bytes received:	1183200
Errors:	0
Throughput:	1543.4 Bytes/sec

BurnInTest V3.0 Pro - [Live Results]

File Edit View Configuration Test Help

BurnInTest V3.0 Pro - Result Sheet

Machine Name:	TEST-E3E92AB80B	Config file:	LastUsed.cfg
CPU Manufacturer:	GenuineIntel	CPU Type:	Genuine Intel(R) CPU 230 @ 1.60GHz
CPU Speed:	1595.9 MHz / 1596.0 MHz		
Start time:	Mon Jul 13 22:55:21 2009	Stop time:	-
Duration:	000h 12m 40s		
Temperature: (Min / Current / Max)	N/A		

Test Name	Cycle	Ops	Errors	Last Error Description
CPU - Maths	85	136834850	0	No errors
CPU - MMX / SSE	124	194035404	0	No errors
Memory (RAM)	0	543899648	0	No errors
2D Graphics	240	6020763	0	No errors
3D Graphics	291	22565088	0	No errors
Serial Port 2	10	2367600	0	No errors
Serial Port 3	10	2366700	0	No errors
Notes:				

-End

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