

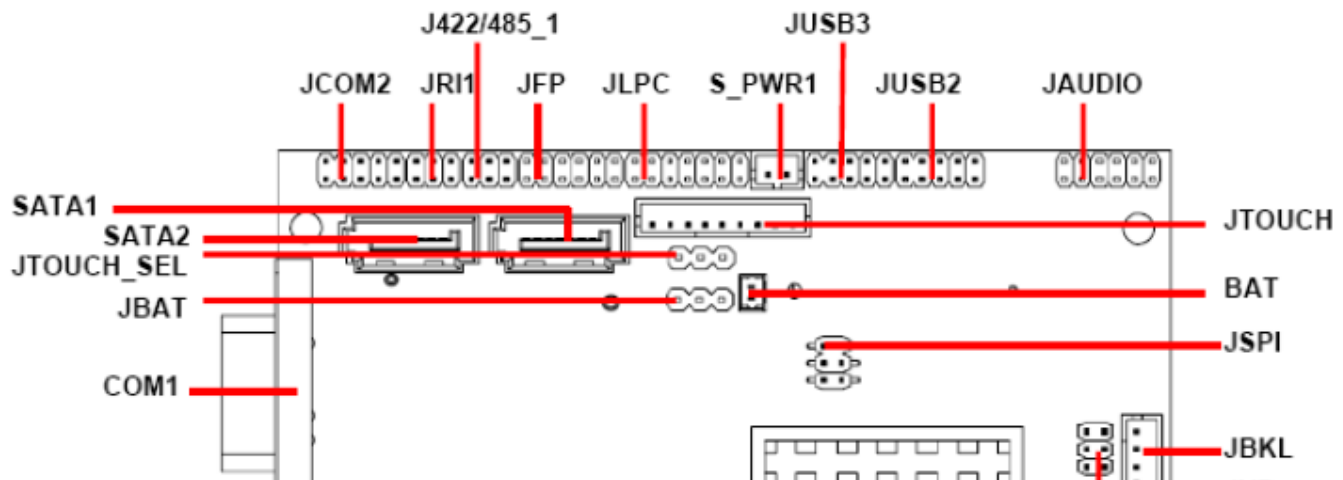
## FAQ / Application Note

**Subject : FPC(ECM)-PNV COM2 RS422/485 configuration**

<b>FAQ Document No:</b> H12003	<b>Date:</b> 2012/07/12
<b>Model Name:</b> ECM-PNV-C1R, FPC-08W05	<b>Rev.</b> A1
<b>Category:</b> <input type="checkbox"/> General <input checked="" type="checkbox"/> H/W <input type="checkbox"/> S/W <input type="checkbox"/> Others, <u>setting</u>	

**Purpose :**  
**FPC(ECM)-PNV hardware C version supports 2 COM ports,**  
**Both of cable and BIOS should be modified for RS422/485 mode, this AP note can help you to set up the system properly.**

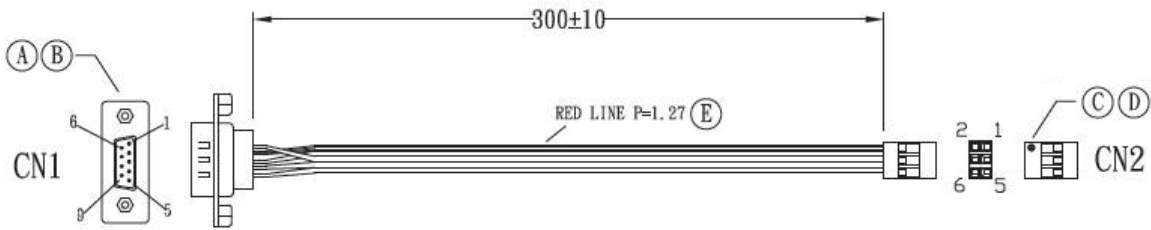
There are two COM ports on FPC(ECM)-PNV hardware version C. The layout shown below.



**COM2 configuration:**

The default mode of COM2 is RS232.  
 If you want to have COM2 RS422 or 485, both of hardware and BIOS should be modified.

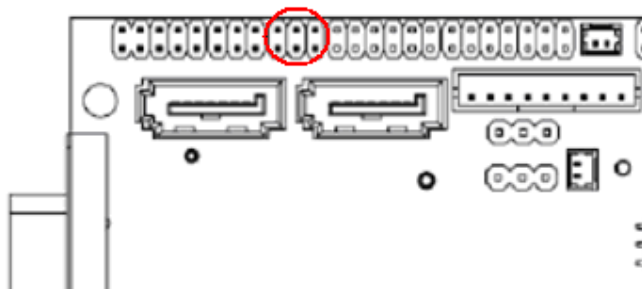
A, Cable part number: **E1701150300R**



Cable mapping shown below

CN1 (DB9)		CN2		
signal	PIN	PIN	Signal(RS485)	Signal(RS422)
DCD	1			
RxD	2	4		RX+
TxD	3	3	Data+	TX+
DTR	4			
GND	5	6	GND	GND
DSR	6			
RTS	7	2		RX-
CTS	8	1	Data-	TX-
RI	9			

B, Connector: use connector **J422/485\_1**



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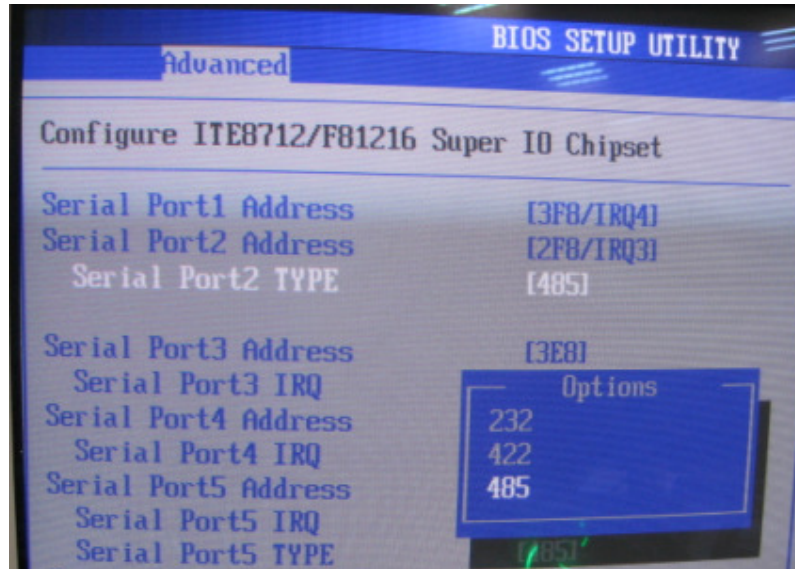
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C, BIOS setting: Advanced → SuperIO Configuration → Serial Port2 Type  
 choose 232, 422 or 485



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