

To our customers,

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## Old Company Name in Catalogs and Other Documents

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On April 1<sup>st</sup>, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

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April 1<sup>st</sup>, 2010  
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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# MAEC TECHNICAL NEWS

No.M16C-82-0201

## CAN transceiver control method with boot mode

<p><b>Classification</b>                  Corrections and supplementary explanation of document</p> <p>ö Notes                  Knowhow                  Others</p>	<p><b>Concerned Products</b>                  M16C/6N group</p>
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When writing in the internal flash memory via CAN in boot mode, set the mode of CAN transceiver as “high-speed mode” or “normal operation mode”.

When the mode of CAN transceiver is controlled by flash microcomputer, the control pin of CAN transceiver must be set by a kind of jumper switch before programming to the internal flash memory.

Fig.1 case of PCA82C250 (Philips Semiconductors)

	Standby mode	high-speed mode
Rs pin <sup>*1</sup>	“H”	“L”
CAN	Disable communication	Enable communication
Connection		

\*1: Rs pin controls operation of a CAN transceiver

Fig.2 case of PCA82C252 (Philips Semiconductors)

	sleep mode	normal operation mode
$\overline{\text{STB}}$ pin <sup>*1</sup>	"L"	"H"
EN pin <sup>*1</sup>	"L"	"H"
CAN	Disable communication	Enable communication
Connection	<p>M16C/6N</p> <p>PCA82C252</p> <p>SW OFF</p>	<p>M16C/6N</p> <p>PCA82C252</p> <p>SW ON</p>

\*1 :  $\overline{\text{STB}}$  & EN pin controls operation of a CAN transceiver