RENESAS Tool News

Emulation Probe
M30850T-EPB (WS and ES products)
for the M32C/80, M32C/84, M32C/85, and M32C/86
Group MCUs Upgraded Free of Charge

We inform you that all the M30850T-EPB emulation probes that we have shipped as WS (TS) and ES products will be upgraded free of charge to the commercial version of the M30850T-EPB that were released in April 2004.
These probes are used for the M32C/80, M32C/84, M32C/85, and M32C/86 group MCUs in combination with the PC7501 emulator.

1. **Products Concerned**

Product Type	Serial Nos. *	Remarks	Total
M30850T-EPB (WS [TS])	3AI006	Label "TS TOOL" affixed	1 pcs
M30850T-EPB (ES)	3AI002A, 3AI003A, 3AI008A--3AI011A, 3AI013A, 3AI018A--3AI021A, 3AI023A, 3AI026A, 3AI029A, 3AI030A, 3AI001B, 3AI004B, 3AI005B, 3AI007B, 3AI017B, 3AI022B, 3CI002A--3CI007A, 3CI001B, 3II001A--3II030A, 3JI001A--3JI013A, 3JI016A, 3JI018A--3JI020A, 3JI014B, 3JI015B, 3JI017B, 3KI001A--3KI010A, and 4AI001A--4AI010A,	Label "ES TOOL" affixed	98 pcs

NOTE:

* The M30850T-EPB consists of two main boards, one of which, the M30850T-EPBM board (board on side connected with target), the serial number is inscribed on. In this upgrade, this M30850T-EPBM board is replaced.

2. **Descriptions of Upgrade by Replacing the Board**

(1) MCU mounted

A commercial-version evaluation MCU mounted.

(2) Analog Input Ports Select function improved

Before upgrade, switch between input/output ports and analog input ports is made 8 pins at a time. After upgrade, the switch can be made each one pin by setting the newly introduced SW5 switch.

For details of the SW5 switch and how to set it, see the latest version of the M30850T-EPB user's manual. It can be downloaded from **HERE**.

(3) Restriction eased on the wait states for reading the SFR area when VCC1 is set larger than VCC2 by JP1

Before upgrade, it is necessary to set the wait states for reading the SFR area to 2wait if this area is read at a CPU clock frequency higher than 25 MHz. After upgrade, however, the above restriction is imposed only if the SFR area for the intelligent I/O functions is read at a CPU clock frequency higher than 30 MHz.

NOTICE:

If VCC1 is set larger than VCC2 by JP1, the restriction that the VCC2 applied to the target system must be larger than 3.3 volts is imposed as before.

3. **How to Upgrade Your Product**

(1) Fill in the appended "M30850T-EPB Free-of-Charge Upgrade Application Form" and send it by e-mail or FAX to your local Renesas Technology sales office or distributor. Then, we send you a new M30850T-EPBM board by return.

(2) Replace your M30850T-EPBM board with the new one and check for its proper operation by following the steps described in "The M30850T-EPBM (the MCU Board for Upgrading M30850T-EPB) User's Manual" included with the M30850T-EPBM board. The latest version of the M30850T-EPB user's manual can be downloaded from **HERE**.

(3) After checking for the operation, please send your replaced board back to your local Renesas Technology sales office or distributor.

(4) Before using the upgraded probe, see "M30850T-EPBM Supplementary Document

(PDF: 95.9KB)" included with the board.

4. Effective Date of Application

From April 1, 2004, to March 31, 2005, inclusive

If circumstances prevent you from sending your application form within the above date, please contact your local Renesas Technology sales office or distributor.