

Hardware Tools Released in the Last Half of March 2003

We released the following hardware tools in the last half of March 2003.

1. For 32-Bit MCUs--M32R Family

| Product Name and Data Sheet | Description |
|-----------------------------|---|
| (1) M32180T2-PTC | Conversion board for in-circuit connection for the 32180 group |
| (2) M32182T2-PTC | Conversion board for in-circuit connection for the 32182 group |
| (3) M32100T3-SDI-E | Emulator for the M32R Family MCUs (Overseas-standard compliant) |
| (4) M32100T-EZ-E | Emulator for the M32R Family MCUs (Overseas-standard compliant) |

2. 4-Bit MCUs--4500 Series

| Product Name and Data Sheet | Description |
|--|--|
| (1) M34519T2-CPE(*) | Compact emulator for the 4518, 4519, 4583, and 4584 group MCUs |
| The following pitch converter boards became available alone: | |
| (2) M34513T-PTCA | Pitch conversion board for connecting a 50-pin standard-pitch dual-in-line connector to a 32-pin 1.778-mm-pitch SDIP |
| (3) M34513T-PTCB | Pitch conversion board for connecting a 32-pin 1.778-mm-pitch SDIP to a 40-pin fine-pitch connector |

(4) M34513T-PTCC

Pitch conversion board for connecting a 40-pin fine-pitch connector to a 32-pin 0.8-mm-pitch LQFP

3. Ordering Information

| Product Type | Type Name | Comment |
|-----------------|----------------|---------|
| M32180T2-PTC | M32180T2-PTC | -- |
| M32182T2-PTC | M32182T2-PTC | -- |
| M32100T3-SDI-E | M32100T3-SDI-E | -- |
| M32100T-EZ-E | M32100T-EZ-E | -- |
| M34519T2-CPE(*) | M34519T2-CPE | -- |
| M34513T-PTCA | M34513T-PTCA | -- |
| M34513T-PTCB | M34513T-PTCB | -- |
| M34513T-PTCC | M34513T-PTCC | -- |

(*)NOTICE:

At this moment, the M34519T2-CPE cannot be shipped to the countries that require electronic gear should bear the CE mark.

So please restrain from shipping it to those countries for a while until we complete the formalities of applying for the mark.

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