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Token Ring 4/16 NB Card RAM Expansion (11/93)

Revised: 11/17/93
Security: Everyone

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TOPIC -----

I'm having difficulty obtaining a specified correct part for a DRAM upgrade to the Apple Token Ring 4/16 NB Card. Is the OKI part number M514400A-70Z, an acceptable substitute?

I would like Apple Computer's opinion on the acceptability of OKI part M514400A-70Z.

DISCUSSION -----

We cannot bless an OKI part number as an acceptable replacement for a Toshiba or TI chip. We do not have access to the parts in question or the specifications of the OKI parts. Based on the part number it sounds like you want to upgrade the card with 2.0 MB of RAM to a total of 2.5 MB of RAM.

The best answer is for you to contact Marshall's Electronics telemarketing department at 800-800-2968 and ask to purchase, via credit card, the proper parts. There is a \$50.00 minimum purchase requirement.

These are two parts they have in stock:

- 1) For 0.5 MB upgrade: Use TI part number TMS44C256-10SD @ \$8.20 each (need 4 per card)
- 2) For 2.0 MB upgrade: Use TI part number TMS44000-12SD @ 27.50 each (need 4 per card). You may also used Toshiba part number TC514400AZ-80.

The Marshall's telemarketing staff is quite helpful on equivalent ZIP chip modules which have the bit density (256K x 4 or 1024K x 4) and the proper speed (120ns minimum). The parts are rare but a large semiconductor distributor has them.

Article Change History:

17 Nov 1993 - Updated to the proper chip speed.

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