

MILITARY PRODUCTS WITHDRAWAL NOTIFICATION

February 15, 1999

Texas Instruments Military Semiconductor Products Division offers over 3,000 military IC part numbers. Occasionally, TI discontinues versions of products that have low or zero activity, or products that are no longer being fabricated because of low or zero activity. This letter is notification that TI is discontinuing a low number of selected military versions of mixed signal and memory products.

Please note that this withdrawal includes all package types and all process levels, including die/wafers, as well as all Source Control Drawings derived from the parent devices listed on the following pages. Unless otherwise noted, devices to be discontinued are listed in the left-hand columns; and direct or suggested replacements that continue to be available are listed in the right hand columns.

TI offers all customers an opportunity to place last purchase orders for "lifetime buy" requirements. Unless otherwise specified herein or required by a specific contract provision, orders for lifetime buy quantities must be received by **August 15, 1999**. All shipments must complete by **December 31, 1999**. Orders are non-cancelable, non-reschedulable, and non-returnable.

Rochester Electronics Inc. is TI's authorized supplier/distributor for discontinued products. Rochester has extensive inventories and can manufacture military devices for continuing supply. A complete listing of Rochester inventory may be viewed at <http://www.rocelec.com> or by calling (978) 462-9332.

If additional information or an extension is required, please contact your local TI field sales office, factory representative or visit the Texas Instruments Military Semiconductor Group's home page at <http://www.ti.com/sc/docs/military>

Your TI factory contacts are:

PIC Specialist	(972) 644-5580	Product Information Center
John Goff	(903) 868-6452	OEM Accounts
Susan Morris	(972) 480-7426	Distribution Accounts

Military Memory Products:

Process Levels: SMD -
 SMJ -
 SM -
 MPY/MPS -

DSCC Standard Microcircuit Drawing
 MIL-PRF-38535 (QML)
 Military temperature range
 Die/Wafers

Package Types: JD
 FQ, HJ, HL
 HK
 SV

Side-Brazed Ceramic Dual-in-line
 Leadless Ceramic Chip Carrier
 Ceramic Flatpack
 Ceramic Zig-Zag In-Line (ZIP)

Discontinued Devices (Devices listed in Columns 1 and 2 are being discontinued. See Columns 3 and 4 inclusive for suggested replacements.)	
Column #1	Column #2
1M-bit DRAM	
SMJ44C256-10FQM	5962-9061703MYA
SMJ44C256-10HJM	5962-9061703MXA
SMJ44C256-10JDM	5962-9061703MRA
SMJ44C256-12FQM	5962-9061702MYA
SMJ44C256-12HJM	5962-9061702MXA
SMJ44C256-12JDM	5962-9061702MRA
SMJ44C256-15FQM	5962-9061701MYA
SMJ44C256-15HJM	5962-9061701MXA
SMJ44C256-15JDM	5962-9061701MRA
SMJ44C256-80JDM	5962-9061704MRA
SMJ4C1024-10FQM	NA
SMJ4C1024-10HJM	NA
SMJ4C1024-10HKM	NA
SMJ4C1024-10HLM	NA
SMJ4C1024-10JDM	NA
SMJ4C1024-12FQM	NA
SMJ4C1024-12HJM	NA
SMJ4C1024-12HKM	NA
SMJ4C1024-12HLM	NA
SMJ4C1024-12JDM	NA
SMJ4C1024-15FQM	NA
SMJ4C1024-15HJM	NA
SMJ4C1024-15HLM	NA
SMJ4C1024-15JDM	NA
SMJ4C1024-80HLM	NA
16M-bit DRAM (ZIP Package Only)	
SMJ416400-70SVM	5962-9231203MZA
SMJ416400-80SVM	5962-9231202MZA
SMJ416400-10SVM	5962-9231201MZA
1M-bit VRAM (ZIP Package Only)	
SMJ44C251B-10SVM	5962-8949704MMA
SMJ44C251B-12SVM	5962-8949703MMA

Possible Alternate Sources for Suggested Replacements (Devices in Columns 3 and 4 inclusive are suggested replacement devices for the discontinued devices listed in Columns 1 and 2.)	
Column #3	Column #4
1M-bit DRAM	
MT4C4256EC-10 883C	NA
NA	EDI44C256C100NB
MT4C4256C-10 883C	EDI44C256C100QB
MT4C4256EC-12 883C	NA
NA	EDI44C256C120NB
MT4C4256C-12 883C	EDI44C256C120QB
MT4C4256EC-15 883C	NA
NA	EDI44C256C150NB
MT4C4256C-15 883C	EDI44C256C150QB
NA	NA
MT4C1024EC-10 883C	NA
NA	EDI411024C100NB
MT4C1024F-10 883C	EDI411024C100FB
MT4C1024EC-10 883C	NA
MT4C1024C-10 883C	EDI411024C100QB
MT4C1024EC-12 883C	NA
NA	EDI411024C120NB
MT4C1024F-12 883C	EDI411024C120FB
MT4C1024EC-12 883C	NA
MT4C1024C-12 883C	EDI411024C120QB
MT4C1024EC-15 883C	NA
NA	EDI411024C150NB
MT4C1024EC-15 883C	NA
MT4C1024C-15 883C	EDI411024C150QB
MT4C1024EC-8 883C	NA
16M-bit DRAM	
NA	NA
NA	NA
NA	NA
1M-bit VRAM	
NA	NA
NA	NA

1M DRAM:

Shipments during this lifetime buy period will be supplied from a die bank. Orders will be processed in the order of receipt up to the total quantity of packaged units supported by this die bank.

4M SRAM:

Texas Instruments is no longer able to supply the 4M SRAM (product derivatives from the SMJ684002 parent device and SMD 5962-95600xx). A possible alternate source is Cypress Semiconductor (800) 858-1810.

1M VRAM ZIP Package and

16M DRAM ZIP Package:

Because of low customer demand, Texas Instruments is no longer able to continue offering the ceramic ZIP package option for military memory products. Please note: TI continues to support other ceramic package options for the 1M VRAM and 16M DRAM product families.

References: TI Recommended Parts List:

<http://www.ti.com/sc/docs/military/product/recparts/recparts.htm>

TI Obsolete Products:

http://www.ti.com/sc/docs/military/product/obsolete/obsolt_1.htm