### TI MILITARY SEMICONDUCTOR PRODUCTS WITHDRAWAL NOTIFICATION

# July 15, 2004

Texas Instruments Military Semiconductor Products Division offers over 8,000 military IC part numbers. Occasionally, TI discontinues versions of products that have either low or zero activity, or are constrained at a high level within our wafer fabrication and assembly test sites to maintain future production of certain Integrated Circuits (IC's). This letter is notification that TI is discontinuing selected military Integrated Circuits.

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 device listed on the following page (Attachment A). 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 July 15, 2005. All shipments must complete by July 15, 2006. Once placed, "lifetime buy" orders cannot be cancelled, rescheduled or returned for non-quality reasons. Quality issues need to be identified and communicated within 30 days of shipment.

Rochester Electronics Inc. is TI's authorized supplier/distributor for discontinued products. Once all customers "lifetime buy" orders are complete, **if** there is any remaining wafer or finished goods inventory, it is TI's practice to make it available to Rochester who may manufacture military devices for continuing supply. A complete listing of Rochester inventory may be viewed at <a href="http://www.rocelec.com">http://www.rocelec.com</a> or by calling (978) 462-9332.

If additional information is required, please contact your local TI field sales office, factory representative or visit the Texas Instruments Semiconductor Group's home page at <a href="http://www.ti.com">http://www.ti.com</a>.

Your TI factory contacts are:

PIC Specialist	(972) 644-5580	Product Information Center
John Goff	(903) 868-6452	OEM Accounts
Al Steel	(903) 868-5364	Distribution Accounts

# Attachment A

# Military Logic and Mixed Signal Products:

Process Levels: All process levels

JM38510 -MIL-M-38510

DSCC Standard Microcircuit Drawing SMD -

SNJ -MIL-PRF-38535 (QML)

SN -MP1 -Military temperature range

Die/Wafers

Package Types: All package types

J Ceramic Dual-in-line

Ceramic Leadless Chip Carrier FΚ

W Ceramic Flatpack

### **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		
Device	DSCC SMD		
TIBPAL16R4-10MFKB	5962-85155202A		
TIBPAL16R4-10MJB	5962-8515520RA		
TIBPAL16R4-10MWB	5962-8515520SA		
TIBPAL20R8-10MFKB	5962-87671163A		
TIBPAL20R8-10MJTB	5962-8767116LA		
TIBPAL20R8-10MWB	5962-8767116KA		
SNJ5495AJ			
SNJ5495AW			
MPD12698WA			
MPD20717BWA			
SN22811W			
SN5495AJ			
JM38510/00903BCA			
MPD15243W			
SNJ54164J			
SNJ54164W			
SN48590J			
SN54164J			
MPD20985W			
SNJ5496J			
SNJ5496W			
SN5496J			
SNJ5490AJ			
SNJ5490AW			
SN5490AJ			
SNJ54LS396J	5962-9050301EA		
SN54LS396J			
SNJ54S299FK			
SNJ54S299J			
SNJ54S299W			
SN54S299J			
TL1451AMFKB*	5962-9958401Q2A		
TL1451AMJB*	5962-9958401QEA		
SNJ55116FK	5962-88511012A		
SNJ55116J	5962-8851101EA		
MPL2291J			
MPL2351J			
SN55116J			
AD7524JB	5962-8770001EA		
AD7524J			

# **Suggested Replacements**

(Devices in Columns 3 and 4 inclusive are suggested replacement devices for the discontinued devices listed in Columns 1 and 2.)

Columns 1 and 2.)		
Column #3	Column #4	
Suggested Replacement	DSCC SMD	
TIBPAL16R4-7MFKB	5962-85155222A	
TIBPAL16R4-7MJB	5962-8515522RA	
TIBPAL16R4-7MWB	5962-8515522SA	
TIBPAL20R8-7MFKB	5962-87671193A	
TIBPAL20R8-7MJTB	5962-8767119LA	
TIBPAL20R8-7MWB	5962-8767119KA	
N/A	N/A	
JM38510/30605BCA	N/A	
N/A	N/A	
SNJ54LS164J	N/A	
SNJ54LS164W	N/A	
N/A	N/A	
SN54LS164J	N/A	
N/A	N/A	
SNJ54LS90J	7603201CA	
SNJ54LS90W	7603201DA	
SN54LS90J	N/A	
N/A	N/A	
N/A	N/A	
SNJ54LS299FK	78024012A	
SNJ54LS299J	7802401RA	
SNJ54LS299W	7802401SA	
SN54LS299J	N/A	
N/A	N/A	

\* TI will exercise all reasonable efforts to fill orders received by July 15, 2005; however, TI may be limited by die supply and cannot guarantee that such devices will be available for the full quantity requested if the total of such orders exceeds TI's inventory and production capability.

#### References:

#### TI Recommended Parts Lists:

Mil DSP - http://focus.ti.com/docs/military/catalog/resources/recommendedparts.jhtml?templateId=5603&navigationId=8875&familyId=44

Mil MSP - http://focus.ti.com/docs/military/catalog/resources/recommendedparts.jhtml?templateId=5604&navigationId=8908&familyId=2

Mil PALs - http://focus.ti.com/docs/military/catalog/resources/recommendedpart.jhtml?navigationId=8938&templateId=5609&familyId=319

# TI Obsolete Products:

 $\frac{\text{http://focus.ti.com/docs/military/catalog/general/general.jhtml?templateId=5602\&path=templatedata/cm/milgeneral/data/obsolete_ltbindex}$