



Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA - 95054

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: SR-0402-02	DATE: 3/3/04	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input checked="" type="checkbox"/> Date Code "Y" die revision in date code <input type="checkbox"/> Other
Product Affected: IDT71V424S/L		
Date Effective: 6/2/04		

Contact: Dennis Lantz Title: Quality / Reliability Engineer Phone #: 831-754-4597 Fax #: 831-754-4672 E-mail: dennis.lantz@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Refer to page 2 for sample availability
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DESCRIPTION AND PURPOSE OF CHANGE:

- Die Technology
- Wafer Fabrication Process
- Assembly Process
- Equipment
- Material
- Testing
- Manufacturing Site
- Data Sheet
- Other

This is an update to PCN SR0008-03 which documented the die revision change from Z to Y. The Z step was from IDT's Cmos 10 .28um technology, the Y step is Cmos 11.5 .18um technology. The Y-step die revision is now ready for production release.

Customers may continue to order the current IDT p/n or may specify "Y" in the p/n (see attachment).

This die revision will also incorporate a data sheet change for the Isb limit. Refer to page 2 for details

RELIABILITY/QUALIFICATION SUMMARY:

Device qualification details shown on attachment verifies that there is no change to the device reliability

CUSTOMER ACKNOWLEDGMENT OF RECEIPT:

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: _____	<input type="checkbox"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____



ATTACHMENT - PCN #: SR-0402-02

PCN Summary**PCN Type:** Mask/Design Change for Die Shrink and Data Sheet change**Commodity** Memory**Forecast or Execute** Execute**Planned or Unplanned** Planned**Data Sheet Change** Isb limit**Detail of Change**

Die Step Details

Die Revision (step)	Z	Y
Wafer Fab Technology	Cmos 10	Cmos 11.5
# Poly Layers	3	1
# Metal Layers	2	3
Minimum Feature Size	0.28 um	0.18 um
Die Dimensions (sq mils)	85k	57k

Data Sheet limit for Isb for all part#'s listed in this PCN will change as shown below
 IDT71V424YS/L and IDT71V424S/L will change to 55mA (from 40mA)

Sample Availability: IDT71V424Y Now**Production Shipments:** Customer shipments for this die revision will start June 02, 2004 unless specifically requested.



Product Details

Current IDT Part No.

IDT71V424L10PH
IDT71V424L10PH8
IDT71V424L10PHI
IDT71V424L10PHI8
IDT71V424L10Y
IDT71V424L10Y8
IDT71V424L12PH
IDT71V424L12PH8
IDT71V424L12PHI
IDT71V424L12PHI8
IDT71V424L12Y
IDT71V424L12Y8
IDT71V424L12YI
IDT71V424L12YI8
IDT71V424L15PH
IDT71V424L15PH8
IDT71V424L15PHI
IDT71V424L15PHI8
IDT71V424L15Y
IDT71V424L15Y8
IDT71V424L15YI
IDT71V424L15YI8
IDT71V424S10PH
IDT71V424S10PH8
IDT71V424S10Y
IDT71V424S10Y8
IDT71V424S12PH

Optional IDT Part No.

IDT71V424YL10PH
IDT71V424YL10PH8
IDT71V424YL10PHI
IDT71V424YL10PHI8
IDT71V424YL10Y
IDT71V424YL10Y8
IDT71V424YL12PH
IDT71V424YL12PH8
IDT71V424YL12PHI
IDT71V424YL12PHI8
IDT71V424YL12Y
IDT71V424YL12Y8
IDT71V424YL12YI
IDT71V424YL12YI8
IDT71V424YL15PH
IDT71V424YL15PH8
IDT71V424YL15PHI
IDT71V424YL15PHI8
IDT71V424YL15Y
IDT71V424YL15Y8
IDT71V424YL15YI
IDT71V424YL15YI8
IDT71V424YS10PH
IDT71V424YS10PH8
IDT71V424YS10Y
IDT71V424YS10Y8
IDT71V424YS12PH

Current IDT Part No.

IDT71V424S12PH8
IDT71V424S12PHI
IDT71V424S12PHI8
IDT71V424S12Y
IDT71V424S12Y8
IDT71V424S12YI
IDT71V424S12YI8
IDT71V424S15PH
IDT71V424S15PH8
IDT71V424S15PHI
IDT71V424S15PHI8
IDT71V424S15Y
IDT71V424S15Y8
IDT71V424S15YI
IDT71V424S15YI8
IDT71V424S12PHGI8
IDT71V424S15PHG
IDT71V424S15PHG8
IDT71V424S15PHGI
IDT71V424S15PHGI8
IDT71V424S12PHG
IDT71V424S12PHG8
IDT71V424S12PHGI
IDT71V424S10PHG
IDT71V424S10PHG8
IDT71V424S10PHGI
IDT71V424S10PHGI8

Optional IDT Part No.

IDT71V424YS12PH8
IDT71V424YS12PHI
IDT71V424YS12PHI8
IDT71V424YS12Y
IDT71V424YS12Y8
IDT71V424YS12YI
IDT71V424YS12YI8
IDT71V424YS15PH
IDT71V424YS15PH8
IDT71V424YS15PHI
IDT71V424YS15PHI8
IDT71V424YS15Y
IDT71V424YS15Y8
IDT71V424YS15YI
IDT71V424YS15YI8
IDT71V424YS12PHGI8
IDT71V424YS15PHG
IDT71V424YS15PHG8
IDT71V424YS15PHGI
IDT71V424YS15PHGI8
IDT71V424YS12PHG
IDT71V424YS12PHG8
IDT71V424YS12PHGI
IDT71V424YS10PHG
IDT71V424YS10PHG8
IDT71V424YS10PHGI
IDT71V424YS10PHGI8



ATTACHMENT - PCN #: SR-0402-02

Qualification Plan #: QS-0008-10R3
Test Vehicle: 71V416Y (Base device for 71V424Y)

Qualification Results

Package Type: TSOP-44

TEST DESCRIPTION	Sample Size / # Fails	Comments
High Temperature Operating Life (Dynamic) JESD22-A108, +125°C @ 1000 hours or equivalent	347/0	
Highly Accelerated Stress Test: JEDEC STD 22, Method A110, Biased, @+130°C, +85%RH, 3 Atm, 100 hours*	90/0	
Autoclave: EIA/JESD22-A102 @ 2 ATM, Saturated Steam @ 121°C, 168 hours*	90/0	
Temperature Cycling: JESD22-A104, Condition C, -65°C to +150°C, 500 cycles*	45/0	
High Temp Storage: JESD22-A103 +150°C, 1000 hours	77/0	
ESD: Human Body Model Mil-Std-883, method 3015	6/0	Rating: 3000V
ESD: Charged device Model JEDEC 22-101	6/0	Rating: 1000V
Latch-up EIA/JESD STD-78	30/0	

* Preconditioning per JESD22-A113B Level 3

Characterization of the IDT71V424S/L confirms that there is no change to the datasheet except as noted for the change to the Isb limits.