

# Product Bulletin

Originator: Mike Sarpa

Date: December 22, 1995

## Last Time Buy Notification ALL 1.2u Devices - ACT1 and ACT2

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### NOTICE:

Actel Corporation announces a formal Last Time Buy for all 1.2 micron commercial and military devices effective immediately. Affected devices are listed in this bulletin.

In 1993, Actel Corporation announced a Last Time Buy notice for all 1.2 micron versions of the ACT 1 and ACT 2 families. Due to the purchase of the FPGA business from Texas Instruments, we continued to produce 1.2 micron devices and to support orders for both commercial and military devices.

### LIFETIME BUY DATES:

Customers will have twelve (12) months to place any additional orders for these devices, and eighteen (18) months to take delivery.

Order Placement: December 31, 1996

Order Shipment: June 30, 1997

### WHO IS AFFECTED?

Customers should have migrated any existing 1.2 micron designs to the 1.0 micron versions of ACT 1 and ACT 2 devices. Any customers who have not yet converted and continue to purchase 1.2 micron versions should receive a copy of this bulletin.

File Under: Military/Space

Replaces: None

## **PRODUCTS AFFECTED:**

This notice affects **ALL** 1.2 micron devices in the ACT 1 and ACT 2 FPGA families. Many 1.2 micron device types were removed from the price list in 1993 after the initial Last Time Buy. The list below shows all 1.2 micron part numbers in two columns:

The first column is all the devices that were listed in the December 1, 1995 price list. Note that these products are shown as "LTB" in the Status column of the price list. Orders can be accepted on these products according to the schedule on the cover.

The second column shows all the devices that were previously discontinued during the original Last Time Buy. Orders will only be accepted for these devices after approval by Business Development.

## **PRODUCT LISTING**

<b><u>Family</u></b>	<b><u>Device</u></b>	<b><u>Package</u></b>	<b><u>Dec 1 Price List Part Numbers</u></b>	<b><u>Previously Discontinued Part Numbers (Orders Require Approval from Business Development)</u></b>
ACT 1	A1010A	44-PLCC	TPC1010AFN-044C	A1010A-PL44C
			TPC1010AFN-044C1	A1010A-1PL44C
				A1010A-2PL44C
			TPC1010AFN-044I	A1010A-PL44I
ACT 1	A1010A	68-PLCC	TPC1010AFN-044I1	A1010A-1PL44I
				A1010A-2PL44I
			TPC1010AFN-068C	A1010A-PL68C
			TPC1010AFN-068C1	A1010A-1PL68C
ACT 1	A1010A	100-PQFP		A1010A-2PL68C
			TPC1010AFN-068I	A1010A-PL68I
			TPC1010AFN-068I1	A1010A-1PL68I
				A1010A-2PL68I
ACT 1	A1010A	84-CQFP	TPC1010AVE-100C	A1010A-PQ100C
			TPC1010AVE-100C1	A1010A-1PQ100C
				A1010A-2PQ100C
			TPC1010AVE-100I	A1010A-PQ100I
ACT 1	A1010A	84-CPGA	TPC1010AVE-100I1	A1010A-1PQ100I
				A1010A-2PQ100I
			TPC1010AMT84B	
				A1010A-PG84C
ACT 1	A1010A	84-CPGA		A1010A-1PG84C
				A1010A-PG84M
				A1010A-1PG84M
			TPC1010AMGB84B	A1010A-PG84B
ACT 1	A1010A	84-CPGA		5962-9096401MXC
			5962-9096401MXA	
				5962-9096402MXC
ACT 1	A1010A	84-CPGA		5962-9096402MXA

File Under: Military/Space

Replaces: None

## PRODUCT LISTING (Continued)

<u>Family</u>	<u>Device</u>	<u>Package</u>	<u>Dec 1 Price List Part Numbers</u>	<u>Previously Discontinued Part Numbers (Orders Require Approval from Business Development)</u>
ACT 1	A1020A	44-PLCC	TPC1020AFN-044C TPC1020AFN-044C1  TPC1020AFN-044I TPC1020AFN-044I1	A1020A-PL44C A1020A-1PL44C A1020A-2PL44C A1020A-PL44I A1020A-1PL44I A1020A-2PL44I
ACT 1	A1020A	68-PLCC	TPC1020AFN-068C TPC1020AFN-068C1  TPC1020AFN-068I TPC1020AFN-068I1	A1020A-PL68C A1020A-1PL68C A1020A-2PL68C A1020A-PL68I A1020A-1PL68I A1020A-2PL68I
ACT 1	A1020A	84-PLCC	TPC1020AFN-084C TPC1020AFN-084C1  TPC1020AFN-084I TPC1020AFN-084I1	A1020A-PL84C A1020A-1PL84C A1020A-2PL84C A1020A-PL84I A1020A-1PL84I A1020A-2PL84I
ACT 1	A1020A	100-PQFP	TPC1020AVE-100C TPC1020AVE-100C1  TPC1020AVE-100I TPC1020AVE-100I1	A1020A-PQ100C A1020A-1PQ100C A1020A-2PQ100C A1020A-PQ100I A1020A-1PQ100I A1020A-2PQ100I
ACT 1	A1020A	84-CPGA	TPC1020AIGB84 TPC1020AMGB84 TPC1020AMGB84-1 TPC1020AMGB84B 5962-9096501MUC 5962-9096501MUA TPC1020AMGB84B-1 5962-9096502MUC 5962-9096502MUA	A1020A-PG84C A1020A-1PG84C  A1020A-PG84M A1020A-1PG84M A1020A-PG84B  A1020A-1PG84B

File Under: Military/Space

Replaces: None

## PRODUCT LISTING (Continued)

<u>Family</u>	<u>Device</u>	<u>Package</u>	<u>Dec 1 Price List Part Numbers</u>	<u>Previously Discontinued Part Numbers (Orders Require Approval from Business Development)</u>
ACT 1	A1020A	84-CQFP	TPC1020AMHT84B TPC1020AMHFG84B 5962-9096501MMA 5962-9096501MTC 5962-9096501MTA TPC1020AMHT84B-1 TPC1020AMHFG84B-1 5962-9096502MMA 5962-9096502MTC 5962-9096502MTA	A1020A-CQ84C A1020A-1CQ84C A1020A-CQ84M A1020A-1CQ84M A1020A-CQ84B  A1020A-1CQ84B
ACT 2	A1225	84-PLCC		A1225-PL84C A1225-1PL84C A1225-PL84I A1225-PL84I
ACT 2	A1225	100-PQFP		A1225-PQ100C A1225-1PQ100C A1225-PQ100I A1225-1PQ100I
ACT 2	A1225	100-CPGA		A1225-PG100C A1225-1PG100C
ACT 2	A1240	84-PLCC		A1240-PL84C A1240-1PL84C A1240-PL84I A1240-PL84I
ACT 2	A1240	144-PQFP	TPC1240VE-144C  TPC1240VE-144I	A1240-PQ144C A1240-1PQ144C A1240-PQ144I A1240-1PQ144I

**File Under: Military/Space**

**Replaces: None**



## PRODUCT LISTING (Continued)

<u>Family</u>	<u>Device</u>	<u>Package</u>	<u>Dec 1 Price List Part Numbers</u>	<u>Previously Discontinued Part Numbers (Orders Require Approval from Business Development)</u>
ACT 2	A1240	132-CPGA		A1240-PG132C A1240-1PG132C A1240-PG132M A1240-1PG132M A1240-PG132B A1240-1PG132B
ACT 2	A1280	160-PQFP	TPC1280VB-160C TPC1280VB-160C1 TPC1280VB-160I TPC1280VB-160I1	A1280-PQ160C A1280-1PQ160C A1280-PQ160I A1280-1PQ160I
ACT 2	A1280	176-CPGA	TPC1280GB-176C TPC1280GB-177C TPC1280GB-176C1 TPC1280GB-177C1 TPC1280GB-176I TPC1280GB-177I TPC1280MGB176 TPC1280MGB177 TPC1280MGB176-1 TPC1280MGB177-1 TPC1280MGB176B TPC1280MGB177B TPC1280MGB176B-1 TPC1280MGB177B-1	A1280-PG176C  A1280-1PG176C   A1280-PG176M A1280-1PG176M A1280-PG176B A1280-1PG176B
ACT 2	A1280	172-CQFP	TPC1280MHFG172 TPC1280MHFG172-1 TPC1280MHFG172B TPC1280MHFG172B-1	A1280-CQ172C A1280-1CQ172C A1280-PG176M A1280-1PG176M A1280-PG176B A1280-1PG176B

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Replaces: None