

# Gumstix Product Changes, Known Issues, and EOL

A list of product changes (PCNs) and product known issues (PKIs) as well as the end-of-life notices (EOL) that affect the future availability of any Gumstix products.

## [Product Changes](#)

### [2015 Product Change Notices](#)

[PCN 2015-1: Increase in the lead time for Overo STORM-P Products](#)

### [2014 Product Change Notices](#)

[PCN 2014-1: Transition to Overo STORM-Y Series COMs](#)

### [2012 Product Change Notices](#)

[PCN 2012-1: Low temperature rating for Micron POP changed from -40C to -25C](#)

### [2011 Product Change Notices](#)

[PCN 2011-2: Product supplier change for 4.3" LCD Touch Screen Display from LG to Samsung](#)

[PCN 2011-1: POP memory change on each Overo COM: 256/256MB to 512/512MB](#)

### [2010 Product Change Notices](#)

[PCN 2010-4: PCB change for console-vx expansion board](#)

[PCN 2010-3: GPSstix change to using uBlox NEO-5Q GPS receiver module.](#)

[PCN 2010-2: Product change for 70-pin AVX connectors for custom Overo expansion boards.](#)

[PCN 2010-1: Product change for 4.3" LG LCD touch screen](#)

### [2009 Product Change Notices](#)

[PCN 2009-7: Tobi expansion board R2549](#)

[PCN 2009-6: Processor change to Marvell-designed 600MHz PXA270M processor for Verdex Pro XL6P computer-on-module](#)

[PCN 2009-5: R2277 changes the position of the 27-pin connector \(J5\) and the two antenna jacks on each Overo computer-on-module](#)

[PCN 2009-4: Change to Tobi expansion board to accommodate every Overo COM](#)

[PCN 2009-3: Change of pin 46 on Overo J4 connector](#)

[PCN 2009-2: Removal of resistor R26 on Overo to allow EHCI \(USB Host\) to function.](#)

[PCN 2009-1: Change on the netpro expansion board to prevent physical interference with verdex pro](#)

#### [Known Issues](#)

[PKI 2014-1: RoboVero Magnetometer Reports Constant Value](#)

[PKI 2013-2 All Gumstix Computers: MicroSD Card Slot Card Retention Issue](#)

[PKI 2013-1 DuoVero Version R3919 - Failure to load root filesystem from microSD](#)

[PKI-2012-2 FTDI Recall on FTDI USB-serial converter chips used on Janus board \(2\)](#)

[PKI-2013-1 Chestnut43 version R3078 issues - R1 not populated](#)

[PKI-2011-3 RoboVero R3277 Issues - Gyroscope and U6](#)

[PKI-2011-2 Interference from Summit board \(IC4\)](#)

[PKI-2011-1 Lead Time of Overo FE COM](#)

[PKI-2010-3 Numonyx memory modules on verdex pro XL6P COMs: need u-boot fix](#)

[PKI-2010-2 Reset button ground on Palo43-R2750](#)

#### [End of Life Notices](#)

[EOL Notice: Samsung 4.3 Inch LCD Touch Screens](#)

[Phasing Out: Wi2Wi W2CB003](#)

[EOL Notice: AeroCore for DuoVero](#)

[EOL Notice: LG 3.5 inch LCD touch screen](#)

[Notice Posted February 2012](#)

[Phased Out: 4.3" LG LCD touch screen](#)

[Life Cycle: OMAP35xx Processors](#)

[Phasing out: PX270-based Verdex Pro product line](#)

[Phasing out: PXA270-based Verdex product line](#)

[Phasing out: PXA255-based Basix & Connex and Waysmall & Netstix computers](#)

[September 15, 2009 Update](#)

[March 31, 2009 Update](#)

[February 11, 2009 Update](#)

[January 2009 Update](#)

[EOL: WiFi module FCC and EU for verdex pro series](#)

## Product Changes

### 2015 Product Change Notices

#### PCN 2015-1: Increase in the lead time for Overo STORM-P Products

**Notification Date:** June 10, 2015

**Effective Date:** Immediately

**Product Line:** Overo STORM-P Products

**Product Numbers:** GS3703AP, GS3703FP, GS3703FEP, GUM3703AP, GUM3703FP, GUM3703FEP

**Change Notice:** We are alerting you to an increase in the lead time.

**Resolution:** Switch to the corresponding Overo STORM-Y product. A [Transition Guide](#) is available to assist you in this transition.

**Discussion:** These three products now have a 20-week lead time. As a consequence they will not be available for purchase on our online store, although sales will continue via quotation and custom orders:

Overo STORM-P Product	Overo STORM-Y Alternative
Air STORM-P <ul style="list-style-type: none"><li>GS3703AP</li><li>GUM3703AP</li></ul>	Air STORM-Y <ul style="list-style-type: none"><li>GS3703AY</li><li>GUM3703AY</li></ul>
Fire STORM-P <ul style="list-style-type: none"><li>GS3703FP</li></ul>	Fire STORM-Y <ul style="list-style-type: none"><li>GS3703FY</li></ul>

<ul style="list-style-type: none"> <li>• GUM3703FP</li> </ul>	<ul style="list-style-type: none"> <li>• GUM3703FY</li> </ul>
Iron STORM-P <ul style="list-style-type: none"> <li>• GS3703FEP</li> <li>• GUM3703FEP</li> </ul>	Iron STORM-Y <ul style="list-style-type: none"> <li>• GS3703FEY</li> <li>• GUM3703FEY</li> </ul>

The suggested alternatives listed above have a standard lead time of 4-6 weeks. If you prefer to continue using these Overo STORM-P series products in your manufacturing, please factor the new lead time into your calculations.

We are happy to provide whatever assistance we can make the STORM-Y products a viable alternative for you. Please contact [sales@gumstix.com](mailto:sales@gumstix.com) with any questions.

## 2014 Product Change Notices

### PCN 2014-1: Transition to Overo STORM-Y Series COMs

**Original Notification Date:** July 15, 2014

**Effective Date:** September 15, 2014

**Product Name:** Overo COMs and Overo STORM COMs with wireless communications will be replaced with a -Y or STORM-Y series equivalent

**Product Numbers:** GUM3503A, GUM3503F, GUM3503FE, GUM3703A, GUM3703F, GUM3703FE

**Description:** Due to [manufacturer EOL on the Wi2Wi W2CBW003](#) WiFi/Bluetooth transceiver module, existing Gumstix Overo and Overo STORM COMs **with wireless communications** will be replaced with Overo -Y or STORM-Y COMs featuring the Texas Instruments WiLink 8 WiFi/Bluetooth transceiver module.

Overo and Overo STORM series COMs without wireless communications (Earth/EarthSTORM, Sand/SandSTORM, Tide/TidalSTORM, Water/WaterSTORM) are **not affected** by this change.

## 2012 Product Change Notices

PCN 2012-1: Low temperature rating for Micron POP changed from -40C to -25C

**Original Notification Date:** June 6, 2012

**Effective Date:** Estimated to be used in production of all Overo COMs as of September 2012, after stock of existing memory modules is consumed.

**Product Name:** Used in production of all Overo COMs. Notable in Gumstix Overo COMs built with extended temperature components including Gumstix Overo FE COM, Gumstix Overo IronSTORM COM and extended temperature Overo COMs purchased in a volume order.

**Product Numbers:** GUM3503FE and GUM3703FE and in a volume order: GS3503FE, GS3703FE etc.

**Description:** The low temperature rating on the Micron POP memory used on the Gumstix Overo COMs has been changed from -40C to -25C.

For the Overo COMs built with extended temperature components such as the Overo FE COM and the Overo IronSTORM COM, the product page has been changed from:

Built with components rated  $-40C < T < 85C$  except for:

- microSD card slot:  $-25C < T < 85C$
- Bluetooth/Wifi module:  $-20C < T < 75C$

to this statement:

Built with components rated  $-40C < T < 85C$  except for:

- microSD card slot:  $-25C < T < 85C$
- Bluetooth/Wifi module:  $-20C < T < 75C$
- POP memory:  $-25C < T < +85C$

## 2011 Product Change Notices

PCN 2011-2: Product supplier change for 4.3" LCD Touch Screen Display from LG to Samsung

**Update on January 25, 2012:** Gumstix does not have any more stock of the 4.3" LG LCD touch screen (DSP00043). An order placed at [www.gumstix.com](http://www.gumstix.com) for the LG screen will be changed so that Gumstix can ship the Samsung 4.3" LCD touch screen (DSP00043A).

**Original Notification Date:** December 21st, 2011

**Effective Date:** immediately upon depletion of current stock

**Product Name:** LG 4.3 inch LCD Touch Screen

**Product Numbers:** DSP00043 will be replaced with DSP00043A

**Description:**

LG published the End-of-life notification for the 4.3" LCD Display that Gumstix, Inc. resells and supports with expansion boards. Current stocks of our displays will not be replenished; however, Gumstix is introducing a pin-compatible replacement from Samsung.

As of January 25th 2012, Gumstix is selling Samsung (LMS430HF26) 4.3" LCD touch screen as a replacement of the LG 4.3" LCD touch screen.

These two LCD touch screens are compatible and both work with the 4.3" LCD-ready expansion boards of the Overo series, such as Chestnut43 and Palo43.

Custom expansion boards should function without modification. There is a pin (35) that differs in the pinout description: a 3.3V connection required on the discontinued LG product ; however, on the replacement screen (Samsung LMS430HF26) the signal is ignored.

PCN 2011-1: POP memory change on each Overo COM: 256/256MB to 512/512MB

**Update on September 16th, 2011:**

Gumstix is now shipping each OMAP35xx-based Overo COM built with Micron 512/512MB POP memory @ R3119 or higher.

Check the "Now Shipping" notice posted at the bottom of each individual [Overo COM product page](#) for further information.

**Update on August 17, 2011:** Gumstix is now shipping each OMAP35xx-based Overo COM built with Micron 512/512MB POP memory only: ie R3019 or higher.

**Instructions:** Gumstix Overo COMs with 512 MB RAM and 512 MB NAND flash require a recent version of MLO and u-boot otherwise they won't boot correctly. Bootable microSD cards with software older than Oct 2010 will not boot these upgraded COMs.

Gumstix recommends making a fresh bootable microSD card as per the [instructions here](#):

The factory software [here](#) should correctly support R3019 Overos. This MLO and u-boot should support older kernels and root file systems if you have customized this software.

**Notification Date:** July 6th, 2011

**Effective Date:** immediately

**Product Name:** Overo COMs with RAM and NAND package-on-package (POP) memory.

**Product Number:** GUM3503x (purchase at [www.gumstix.com](http://www.gumstix.com)) and GS3503x (volume purchase only)

**Revision Number:** R3018/R3118 and R3019/R3119 or higher

**Description:**

In preparation for the discontinuation of the Micron MT29C4G48MAKLCJI memory, in the spring of 2011 Gumstix started shipping some Overo COMs with 512 DDR / 512 NAND configuration from Hynix.

Gumstix has since switched to the Micron MT29C4G96MAZAPCJG, another 512 DDR / 512 NAND package-on-package memory.

An Overo COM ordered at [www.gumstix.com](http://www.gumstix.com) may be fulfilled with either 256/256MB or 512/512MB memory - with the exception of the Overo Tide COM, which ships only with 512MB DDR.

Once this stock has been shipped, Gumstix plans to supply Overo COMs only with Micron 512/512MB POP memory.

1. A board revision number of R3018 or R3118 (check on the white label on the top of an Overo COM) confirms that the Overo COM has been populated with the Hynix 512/512MB memory.
2. A board revision number of R3019 or R3119 confirms that the Overo COM has been populated with the Micron 512/512MB memory.
3. A number of 2899 or lower on the white label on the top of an Overo COM confirms that the Overo COM has been populated with the 256/256MB Micron memory.

For each volume, Gumstix plans to supply only Micron 512/512MB POP memory on each Overo COM.

## 2010 Product Change Notices

### PCN 2010-4: PCB change for console-vx expansion board

**Notification Date:** August 9th, 2010

**Effective Date:** immediately

**Product Name:** Console-vx expansion board

**Product Number:** PKG10003 (retail purchases) and BRD10003 (volume purchases)

**Revision Number:** [PCB10016-R1833/](#)

**Description:** To build the console-vx expansion board, Gumstix has been using the PCB of the consoleLCD-vx expansion board - PCB10003. From now on, Gumstix will use the PCB of the consoleLCD16-vx expansion board, which is PCB10016, in order to build the console-vx expansion board.



PCN 2010-3: GPSstix change to using uBlox NEO-5Q GPS receiver module.

**Notification Date:** June 7, 2010

**Effective Date:** Q3 2010

**Product Name:** GPSstix expansion board

**Product Number:** PKG00012\_4H (retail purchases) and BRD00012\_4H (volume purchases)

**Revision Number:** PCB00012-R1711

**Description:** The uBlox NEO-4S module has become EOL and will be replaced with the [uBlox NEO-5Q GPS receiver module](#). Note that the NEO-5Q module adds KickStart, which provides accelerated start-up at weak signals.

See [pubs.gumstix.com](http://pubs.gumstix.com) for schematic and layout of the GPSstix board.

PCN 2010-2: Product change for 70-pin AVX connectors for custom Overo expansion boards.

**Original Notification Date:** June 3rd, 2010

**Effective Date:** As of January 2011, Gumstix sells the Haologen free [70-pin mating connectors](#), only. (24 5602 670 001 829H+)

Note that these 70-pin connectors may be available in small and medium volume quantities from [RoadNarrows](#)

**Product Name:** [70-pin AVX connectors \(10-pack\)](#)

**Product Number:** KIT0023

**Description:** For the non-halogen free 70-pin connectors, the last time buy (LTB) date was June 30th, 2010

These receptacle connectors are not halogen free. Gumstix has switched to selling only the Halogen-free connectors.

Part number of receptacle connector changed from 24 5602 070 001 829H+ (non-halogen free) to 24 5602 670 001 829H+ (Halogen Free).

Note: the 70-pin plug AVX connector on each Overo COM is already halogen free.

The 70-pin connectors may be available in small and medium volume quantities from

[RoadNarrows](#)

## PCN 2010-1: Product change for 4.3" LG LCD touch screen

**Notification Date:** April 7, 2010

**Effective Date:** immediate

**Product Name:** LG 4.3 inch LCD Touch Screen

**Product Number:** DSP00043

**Description:** LG has issued an End-of-Life (EoL) notice on the LG 4.3" LCD touch screen part #LB043WQ1-TD01. The new LG 4.3" LCD touch screen, part #LB043WQ2-TD01, is currently supported by LG without an EOL plan. These two LG panels are plug-compatible.

## 2009 Product Change Notices

Until the inventory on the earlier version has been depleted, Gumstix reserves the right to ship either version of a Gumstix product. Customers needing special requirements must be handled separately.

### PCN 2009-7: Tobi expansion board R2549

**Notification Date:** November 27, 2009

**Effective Date:** November 27, 2009

**Product Name:** [Tobi expansion board](#)

**Product Number:** PKG30002 (retail purchases) and BRD30002 (volume purchases)

**Revision Number:** [PCB30002-R2549](#)

**Description:**

- Replacement of the mini-A USB jack (for USB host) with a standard-A USB jack.
- Clearance along the short edges to allow insertion into a product casing.
- Change of the reset button to a right-angle reset button that can be accessed from the same long side of the board as the other connectors, such as USB, audio and power.

- R2549 of the Tobi board incorporates all of these changes

See [pubs.gumstix.com](http://pubs.gumstix.com) for schematic and layout of the Tobi board.

PCN 2009-6: Processor change to Marvell-designed 600MHz PXA270M processor for Verdex Pro XL6P computer-on-module

**Notification Date:** September 24, 2009

**Effective Date:** estimated to be November 1, 2009

**Product Name:** [Verdex Pro XL6P \(600MHz\) computer-on-module](#)

**Product Number:** GUM270B-XL6P (retail purchases) and GS270B-XL6P (volume purchases)

**Description:** Processor change from Intel-based 600Mhz PXA270 processor to Marvell-designed 600MHz PXA270M processor for Verdex Pro XL6P computer-on-module. The PXA270M version of the Verdex Pro COM will only be available only with fab (R2541 or higher) for the Verdex Pro COM. Note that a Verdex Pro XL6P with fab 2541 or higher may be populated with the PXA270 processor or with the PXA270M processor.

**Related Marvell PCN:** 0910071 (Marvell Document Number: MV-Q200026-00)

*PCN Date: 10-AUG-09 Subject : PXA270 624MHz Supply Description of Change by Marvell: Due to supply shortages, all PXA270 624MHz customers of Marvell (ie Gumstix) are requested to convert to the 88AP270M 624MHz device immediately. This PCN only impacts the 624MHz version (of the PXA270 processor). All other speeds are not impacted.*

As such, the only Gumstix product affected by this Marvell PCN 0910071 is the Gumstix XL6P computer-on-module.

PCN 2009-5: R2277 changes the position of the 27-pin connector (J5) and the two antenna jacks on each Overo computer-on-module

**Notice Date:** September 2009

**Effective Date:** September 2009

**Description:** In reference to Gumstix Overo computer-on-modules

- Revision 2173 locates the 27-pin, J5 connector on the top of each Overo COM in a position next to the Bluetooth / Wifi module (R2173).

- Revision 2277 and higher positions the 27-pin, J5 connector in a central position next to the OMAP processor. The pair of antenna jacks are also shifted slightly. These changes were made to improve RF performance.

These location changes are the only differences in layout R2277 as compared to R2173. There aren't any functional changes. Gumstix is only shipping R2277 or higher of the Overo Fire COM and Overo Air COM.

As of October 27th 2009, Gumstix is shipping R2173 versions of both the Overo Earth COM and Overo Water COM modules until current inventory runs out. This stock depletion is projected to occur on or before the end of 2009, depending upon demand.

All future builds of any Overo Earth, Water, Fire or Air computer-on-modules will be completed using layout R2277 or higher.

**A design engineer planning their product(s) based on the Gumstix Overo series should:**

- Design their product based on the layout of R2277 or higher in order to assure correct positioning of the 27-pin connector and the antennae jacks.
- Purchase an Overo Fire COM or Overo Air COM at [www.gumstix.com](http://www.gumstix.com) for layout purposes, as these modules are shipping only with R2277 or higher now.

**PCN 2009-4: Change to Tobi expansion board to accommodate every Overo COM**

**Notice Date:** June 2009

**Effective Date:** June 2009

As of June 8th, 2009, Gumstix is only shipping Tobi boards of revision 2441 or higher to ensure that each Tobi expansion board will properly connect with each and every Overo COM. The clearance between the Tobi expansion board and the components of the Overo COM has been designed to allow proper connection of the Tobi expansion board with any of the Overo COMs,

including Overo Fire and Overo Air. Gumstix recommends that the revision 2392 of the Tobi expansion board only be used with the Overo Earth COM and the Overo Water COM.

### PCN 2009-3: Change of pin 46 on Overo J4 connector

**Notice Date:** January 2009

**Effective Date:** January 2009

As of version 2106 of the Overo Earth, pin 46 on connector J4 has been changed to be 4030GP2\_N\_MMC3\_CD.

### PCN 2009-2: Removal of resistor R26 on Overo to allow EHCI (USB Host) to function.

**Notice Date:** January 2009

**Effective Date:** January 2009

Gumstix has determined that the removal of the resistor R26 from any Overo COM will allow the EHCI (Enhanced Host Controller Interface Specification for Universal Serial Bus) host controller to function. EHCI is also called USB Host.

Connection of the Overo COM to any Overo-capable expansion board, such as the [Summit board](#), have a connector for a USB cable.

### PCN 2009-1: Change on the netpro expansion board to prevent physical interference with verdex pro

**Notice Date:** January 2009

**Effective Date:** January 2009

The micro-SD connector on the verdex pro board interfered with an IC on the netpro-vx in early versions of the netpro expansion board. This interference may cause shorts on pins due to metal to metal contact. As of January 2009, Gumstix has adjusted the netpro expansion board to prevent this interference.

## Known Issues

### PKI 2014-1: RoboVero Magnetometer Reports Constant Value

**Notification Date:** April 16, 2014

**Effective Date:** Immediately

**Product Line:** RoboVero Expansion Boards (BRD30019-R4000)

**Product Number:** Expansion boards bearing work order numbers: WO29239 or WO29110

**Known Issue:**

Due to a design error, the magnetometer on RoboVero Expansion Boards from the above work orders will always report a value of zero.

**Resolution:**

Any customers experiencing an issue with the magnetometer with RoboVero Expansion Boards from these work orders should [contact Gumstix for a replacement order](#).

### PKI 2013-2 All Gumstix Computers: MicroSD Card Slot Card

#### Retention Issue

**Notification Date:** April 5, 2013

**Effective Date:** Immediately

**Product Lines:** DuoVero and Overo COMs

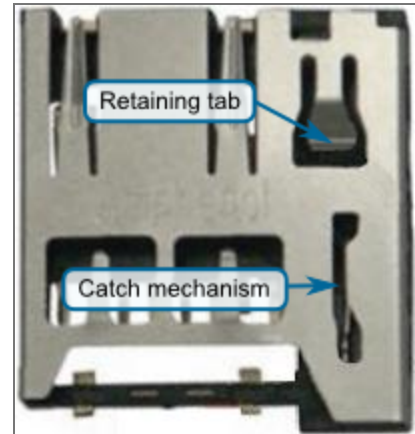
**Product Number:** Products and revisions GUM35xx, GUM37xx and GUM4430x

### Known Issue:

Some of these products have an issue with one type of microSD card slot failing to retain inserted microSD cards. The primary reasons for the issue in these products are:

1. Pressure on the top of the microSD card slot, causing the internal sliding catch mechanism to crack
2. Persistent pressure on the microSD card retaining tab, caused by the label applied during manufacturing

See the image on the right for an illustration of the components involved.



### Prevention:

Most importantly, take care to ensure that pressure is **never** applied to the top of any microSD card slot.

Customers with Gumstix products where the microSD card slot is of the design pictured above (where the retaining tab is pressed down by the product label) should remove, rotate and re-affix the label to the left edge of the slot.

**Note:** Before removing the label, photograph it or write down the information on it in case part of it becomes illegible.



1. Gently and carefully remove the product label affixed to the microSD card slot by peeling from the left edge, taking care not to apply pressure to the right side of the card slot.

2. Rotate the label 90 degrees counter-clockwise and re-affix it with light pressure to the left edge of the microSD card slot.

Rotating the product label in the manner described above will not alter the terms of the warranty on your Gumstix product in any way.

#### **Resolution:**

Customers whose Gumstix products exhibit the microSD card slot retention issue within the 90-day warranty period should contact Gumstix Customer Service at [jack@gumstix.com](mailto:jack@gumstix.com).



# PKI 2013-1 DuoVero Version R3919 - Failure to load root filesystem from microSD

**Notification Date:** January 9, 2013

**Effective Date:** Immediately

**Product Name:** DuoVero Computer-on-Module

**Product Number:** GUM4430C

**Product Revision Number:** R3919 and R3920 only

## **Known Issue:**

Linux fails to load the root filesystem during boot, presenting symptoms such as kernel hang at “Waiting for rootfs...,” U-Boot message “\*\*Partition 1 not valid on device 0 \*\*” or being able to load the rootfs by physically pressing down on the microSD card slot during boot.

The card detect signal for the DuoVero microSD card slot is inverted as compared to other OMAP4430-based platforms. This discrepancy was masked on DuoVero versions prior to R3919.

## **Resolution:**

Customers with DuoVero COMs with build numbers R3919 or R3920 can apply the following patch to their kernel:

<http://www.sakoman.com/git/gitweb.cgi?p=linux.git;a=commitdiff;h=bbf4f0f05d4f7b954b258e2e5c3a2faccb34cc99>.

The above patch corrected this issue on builds R3919. If this behavior persists after applying the patch, affected customers should contact Gumstix Customer Support at [jack@gumstix.com](mailto:jack@gumstix.com).

## PKI-2012-2 FTDI Recall on FTDI USB-serial converter chips used on Janus board (2)

**Notification Date:** August 2nd, 2012

**Effective Date:** Immediately

**Product Name:** Janus Expansion Board

**Product Number:** BRD30029

**Product Revision Number:** R3743 only

### **Known Issue:**

FTDI has issued a recall against their new FTDI USB-serial converter chips (X Chip Series). Gumstix uses these FTDI converter chips on the Janus expansion board (BRD30029-R3743 specifically).

On a Janus board, the console session may fail after transmission of a certain bit sequence.

### **Resolution:**

If the console session on a Janus board fails as described above, Gumstix will replace the Janus board under warranty. See this [RMA page](#) for instructions on how to request warranty coverage from Gumstix.

For customers not wishing to return their products, FTDI will be releasing a workaround on their Tech Notes TN\_135 through TN\_14:

(<http://www.ftdichip.com/Support/Documents/TechnicalNotes.htm>).

# PKI-2013-1 Chestnut43 version R3078 issues - R1 not populated

**Notification Date:** March 9, 2012

**Effective Date:** Immediately

**Product Name:** Chestnut43 Expansion board

**Product Number:** BRD30005-R3078. Sold as PKG30005 online.

**Product Revision Number:** R3078 only

## **Known Issue:**

The resistor R1 was not populated on a small number of builds of the Chestnut43 board version BRD30005-R3078 only.

R1 should be populated with a 0R (0402) zero-Ohm feedback resistor.

## **Resolution:**

Customers with Chestnut43 boards need to make these two checks to see if this issue applies to their boards:

Step 1) Read the white label on each Chestnut43 board, looking for BRD30005-R3078.

Step 2) On each Chestnut43 BRD30005-R3078 board, check to see if resistor R1 is NOT populated.

For each BRD30005-R3078 board that does not have resistor R1 populated, a customer has two choices for resolution:

1) At the customer location, populate resistor R1 with a 0R (0402) zero-Ohm feedback resistor, or add a solder bridge.

The image below shows the location of resistor R1 on the Chestnut43 board:



## PKI-2011-3 RoboVero R3277 Issues - Gyroscope and U6

**Notification Date:** December 2, 2011

**Effective Date:** Immediately

**Product Name:** RoboVero Expansion board

**Product Number:** PKG30019 and BRD30019

**Product Revision Number: R3277**

**First known Issue:**

1) Gyroscope: Incorrect filter capacitor (C47) value for gyroscope power input circuit causes gyro readings to be noisy and imprecise.

**Resolution:**

- 1) This issue has been resolved both in RoboVero R3277 (diode for C34) and Robovero R3517.
- 2) If you have a Robovero R3277, check C34. If it's a diode, then you have a corrected Robovero board.
- 3) If you have a Robovero R3277, C34 is not a diode and you need to use the gyroscope, you can either replace C47 with a 0.47uF 0402 capacitor or contact Gumstix for warranty coverage via email to [sales@gumstix.com](mailto:sales@gumstix.com). Gumstix will provide either a RoboVero R3277 (diode for C34) or Robovero R3517.

**Second Known Issue:**

- 2) U6: When powering a Robovero R3277 by AC power adapter, some boards experience high current draw and U6 gets noticeably hot.

**Resolution:**

- 1) Power RoboVero with 5.5V - 17V supply using the battery terminals  
or
- 2) Plug the power adapter's DC output into the RoboVero before applying AC power.  
or
- 3) Contact Gumstix for warranty coverage to obtain a Robovero R3517 via email to [sales@gumstix.com](mailto:sales@gumstix.com). This issue has been resolved in RoboVero 3517

## PKI-2011-2 Interference from Summit board (IC4)

**Notification Date:** August 9th, 2011

**Effective Date:** immediately

**Product Name:** Summit Expansion board

**Product Number:** PKG30001 and BRD30001

**Revision Number:** Some boards, but not all, with this white label: Summit: W/O 27773 11-25  
BRD30001-R2954

**Description:** On a recent run of Summit boards, some of those boards were populated for I2C memory, in error. This resulted in physical interference between the Overo COM's IC1 and IC4 on the Summit expansion board (I2C memory).

**Resolution:**

Customers can either:

- depopulate IC4 themselves or
- contact Gumstix for warranty coverage via the RMA process by emailing [sales@gumstix.com](mailto:sales@gumstix.com)

## PKI-2011-1 Lead Time of Overo FE COM

June 29th 2011, Gumstix has placed the Overo FE COM back in the online store at [www.gumstix.com](http://www.gumstix.com). Lead time for an online order is expected to be within 15 days of order placement.

Due to the long lead time of the extended temperature OMAP processors, lead time for a volume order could be as long as 14-16 weeks. Contact [sales@gumstix.com](mailto:sales@gumstix.com) for further information on a volume order of an extended temperature Overo COM.

The notice had been the following:

*As of May, 11 2011, Gumstix has been informed of unexpected constraints in the supply of the extended temperature OMAP3530 Applications Processors.*

*As such, Gumstix has removed the Overo FE COM from the online store at [www.gumstix.com](http://www.gumstix.com) at this time as an online order only remains authorized for 30 days.*

*This long lead time on the extended temperature processor also prevents Gumstix from shipping any existing order that includes one or more Overo FE COMs. Each customer with an online order that includes an Overo FE COM has been contacted by email.*

*Customers may wish to place their order(s) at [www.gumstix.com](http://www.gumstix.com) with Overo COMs other than Overo FE COMs until such time as Gumstix can supply Overo FE COMs in a timely manner. Based on current supply information, Gumstix expects to be able to sell the Overo FE COM again in the online store by mid-June, 2011,*

*Gumstix continues to provide quotations for volume orders that include Overo FE COMs, albeit with longer lead times expected.*

*Supply of Gumstix Overo COMs other than the Overo FE COM are not affected by this notice.*

## PKI-2010-3 Numonyx memory modules on verdex pro XL6P

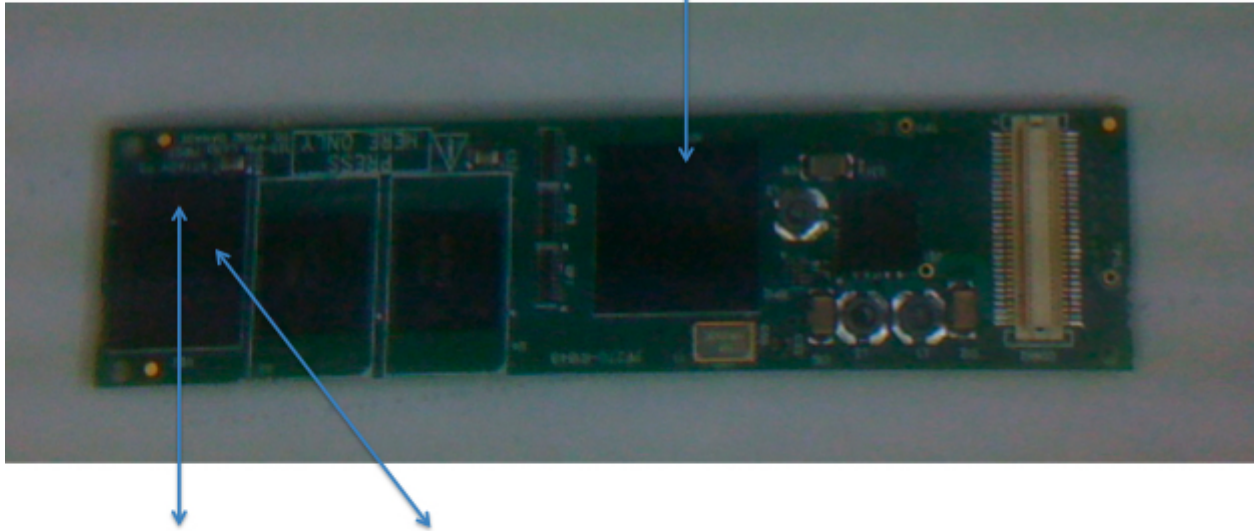
### COMs: need u-boot fix

The u-boot flash fix is posted in the User Wiki, [linked here](#).

To date, only the flash memory on verdex pro XL6P COMS built using Numonyx Flash memory on Gumstix boards marked "PF270B-R2635" needs this u-boot flash fix.

## Verdex Pro XL6P COM

Under the **M** logo, the next line ends in "C624" indicates 600MHz



If both "ICM026-600" and "256P30TF" with the "F" are written here, then this is a Verdex Pro XL6P COM with a faulty memory module as per Gumstix PKI 2010-3

Users can look at the part code on the top side of the flash chip located on the top side of the Overo COM. Parts marked ...256P30TF... need this flashing fix while those memory modules marked...256P30T... (no 'F') should work to specification without this correction.

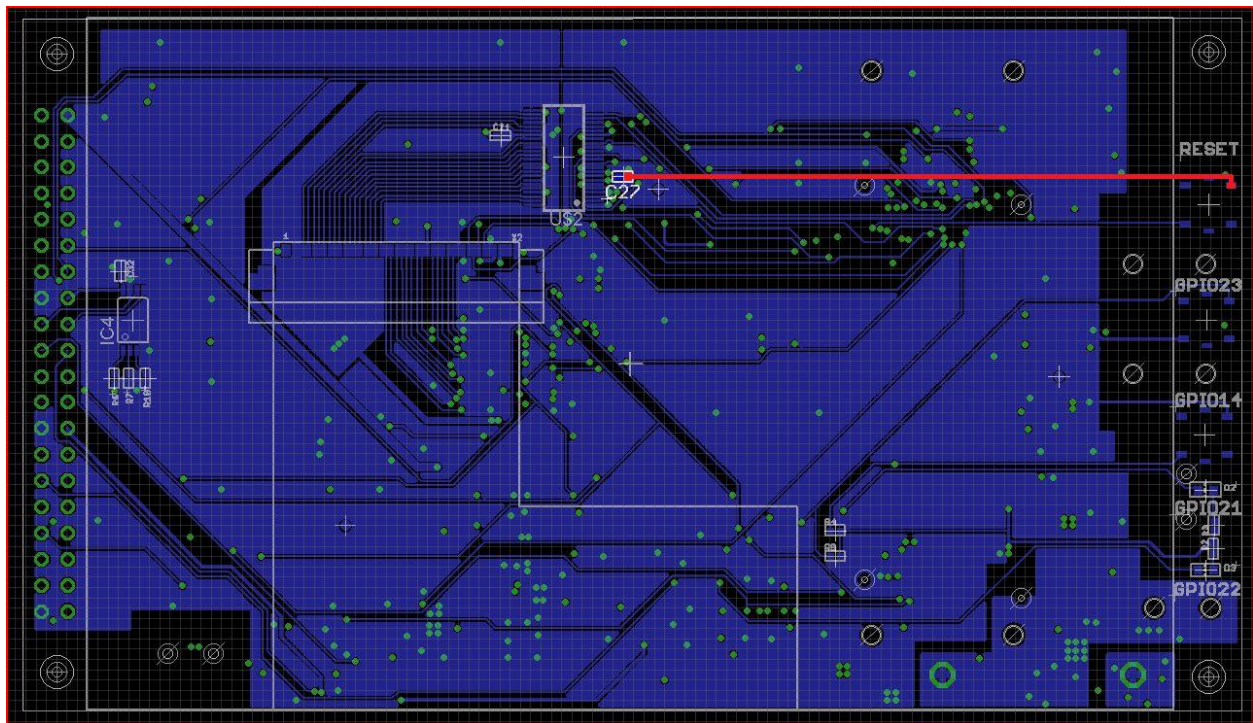
## PKI-2010-2 Reset button ground on Palo43-R2750

**Update on August 3rd 2010:**

Resolution for existing Palo43 expansion boards:

1. Solder a jumper wire from the right pad of C27 to the upper right corner pad of the Reset push button. See picture below.
2. Dab a small amount of glue where the wire is soldered and in the middle of the wire so that the wire will stay firmly in place.





Resolution for future Palo43 expansion boards:

Palo43-R2909, currently in manufacturing, is planned to resolve this known issue.

## End of Life Notices

### EOL Notice: Samsung 4.3 Inch LCD Touch Screens

LCD screen manufacturer Samsung has published an end-of-life notice for the 4.3" Samsung LCD touch screen, resold by Gumstix, Inc. (Gumstix part number DSP00043A).

Affected products are:

- Pepper Single-Board Computer
- Chestnut
- Gallop43
- Palo43

The last-time-buy for the 4.3" Samsung LCD touch screen has already taken place. Once depleted, Gumstix will not be replenishing stock of the 4.3" Samsung LCD touch screen.

Gumstix has selected [Newhaven Display's 4.3" Resistive Touch TFT](#) as a cost effective substitute. Because LCD technology is evolving rapidly, product and software developers should plan their end product designs appropriately to accommodate potential change in LCD functions.

## Phasing Out: Wi2Wi W2CB003

**Effective Date: June 2, 2015**

Wi2Wi has discontinued the Wi2Wi W2CBW003, affecting a number of Gumstix products with wireless communications. Once existing stock levels are depleted, Gumstix will be unable to restock the following products:

- Overo Air COM
- Overo Fire COM
- Overo FE COM
- Overo AirSTORM COM
- Overo FireSTORM COM
- Overo IronSTORM COM

Gumstix has introduced the Overo STORM-Y series COMs, featuring Texas Instruments WiLink 8 wireless module, as well as the Overo STORM-P series COMs featuring the Wi2Wi W2CB0015 wireless module. Customers who do not specifically require the Wi2Wi W2CBW003 wireless module should consider an Overo STORM-Y or Overo STORM-P series COM.

## EOL Notice: AeroCore for DuoVero

**Effective Date: June 3, 2015**

Gumstix has introduced the [AeroCore 2 Product Suite](#) for DuoVero and Overo series COMs. The AeroCore 2 for DuoVero is a new expansion board with the GPS module spun out onto a second board for greater flexibility. The new AeroCore 2 for DuoVero replaces the original AeroCore for DuoVero.

Once existing stock levels of the original AeroCore have been depleted, they will not be replenished. Contact [Gumstix Customer Service](#) for more information.

## EOL Notice: LG 3.5 inch LCD touch screen

### **Update on June 14th, 2012**

Gumstix is evaluating a 3.5" resistive touch LCD screen to replace the 3.5" LG LCD screen that is going end of life.

Customers should plan that this new 3.5" LCD screen will NOT be compatible with the 3.5" LG LCD touch screen display nor the Palo35 expansion board.

-- The 3.5" LCD screen and new expansion board for Overo series are planned to be available for sale at [www.gumstix.com](http://www.gumstix.com) in Q3 2012.

### **Notice Posted February 2012**

LCD screen manufacturer LG has published an EOL notice for their 3.5" LG LCD touch screen display that Gumstix, Inc. resells and has supported with the Palo35 expansion board.

Current stock of the 3.5" LG LCD display is not planned to be replenished by Gumstix. Gumstix plans to terminate the sale of the product #DSP00035 thereafter as it searches for a cost-effective substitute.

Note: LCD technology is evolving rapidly. Product and software developers should plan their end product designs appropriately to accommodate potential change in LCD functions.

## Phased Out: 4.3" LG LCD touch screen

These two LCD touch screens are compatible and both work with the 4.3" LCD-ready expansion boards of the Overo series, such as Chestnut43 and Palo43.

There is a pin (35) that differs in the pinout description: a 3.3V connection required on the discontinued LG product ; however, on the Samsung screen, the signal is ignored.

**Note:** LCD technology is evolving rapidly. Product and software developers should plan their end product designs appropriately to accommodate potential change in LCD functions.

## Life Cycle: OMAP35xx Processors

Phasing out: OMAP35xx Applications Processors

Texas Instruments has provided Gumstix with this two-page letter below outlining their commitment towards the life cycle of the OMAP35xx Applications Processors. Note that the OMAP3503 Applications Processor is listed in the "ARM Cortex A8" product type while the OMAP3530 is listed lower in the letter in the "DSP" product type.



**TEXAS  
INSTRUMENTS**

Texas Instruments Incorporated

Thank you for your interest in one or more of the TI products set forth in the attached product list ("Identified TI Product(s)"). Please be assured that TI will not obsolete a catalog product merely for TI's convenience. TI recognizes that its catalog products are sold to a wide variety of customers and used in a wide variety of customer products. TI also recognizes that its catalog products are sometimes used in applications with expected production lifetimes in excess of 10 years.

TI commits to supply to your company the Identified TI Product(s) in which it is currently interested, for a minimum of 10 years following TI's general release date for such Identified TI Product(s). The general release date(s) for the Identified TI Product(s) in which your company is interested are set forth in the attached list.

In the rare instance that TI makes the decision to end-of-life such Identified TI Product(s) after this 10 year period, we will give your company at least 12 months notice, allow your company to place orders for the Identified TI Product(s) during the 12 months after the end-of-life announcement, and allow your company to take delivery up to an additional 6 months after the 12 month notice period expires. TI trusts that this 18 month period will smooth any transition required due to the end-of-life.

TI's goal is to ensure our customer's continuity of supply for all TI products, and in keeping with that goal is making this commitment to you with respect to these Identified TI Products. Please feel free to contact your TI sales representative if you have any questions or concerns regarding the Identified TI Products – or any other TI products – in which you are interested.

Brian T. Crutcher  
Senior Vice President  
Application Specific Products  
Texas Instruments Incorporated

**Identified TI Products for Long-term Availability.**

<b>Product Type</b>	<b>TI Product</b>	<b>General Release Date</b>
ARM Cortex A8	OMAP3503	May, 2009
ARM Cortex A8	OMAP3515	May, 2009
ARM Cortex A8	AM3505	June, 2010
ARM Cortex A8	AM3517	June, 2010
ARM Cortex A8	AM3703	Not Yet Released
ARM Cortex A8	AM3715	Not Yet Released
ARM9	AM1705	June, 2010
ARM9	AM1707	June, 2010
ARM9	AM1806	June, 2010
ARM9	AM1808	June, 2010
DSP	OMAP-L138	December, 2009
DSP	OMAP-L137	December, 2009
DSP	C6412	June, 2004
DSP	C6747	December, 2009
DSP	C6745	December, 2009
DSP	C6743	December, 2009
DSP	C6748	December, 2009
DSP	C6746	December, 2009
DSP	C6742	December, 2009
DSP	DM365	August, 2009
DSP	DM6446	September, 2006
DSP	DM642	June, 2004
DSP	DM641	June, 2004
DSP	DM643	June, 2004
DSP	DM6467	January, 2009
DSP	OMAP3530	May, 2009
DSP	OMAP3525	May, 2009
DSP	DM3725	Not Yet Released
DSP	DM3730	Not Yet Released
DSP	C5505	June, 2009
DSP	C5504	June, 2009
DSP	C5509	March, 2003
DSP	C5502	March, 2004
DSP	C5501	March, 2004

*Date: September 24, 2010*

*Revision 1.3*

## Phasing out: PX270-based Verdex Pro product line

As of September 2012, Gumstix has been advised by our distributor that Marvell will be selling the PXA 270 processor through 2015.

Note: Roadmap, date and product features are subject to change without notification.

## Phasing out: PXA270-based Verdex product line

- The Gumstix Verdex Pro series was developed to replace the Verdex series in time for the EOL of the 120-pin connector that was used on the Verdex series, which was being discontinued by Molex.
- Gumstix Verdex COMs (not verdex pro) was discontinued from sales by Gumstix once stock of the 120-pin connector had been exhausted.

The Verdex Pro COMs are similar to the Verdex COMs except that:

- The Verdex Pro COMs use an 80-pin connector on one side instead of the 120-pin connector.
- The inter-board distance of the Verdex Pro COM to an 80-pin expansion board is 3 mm as compared to the 2.5mm inter-board distance of the Verdex COM to a 120-pin expansion board.
- The Verdex Pro COMs have a microSD card slot on-board.
- For customers moving from Verdex to Verdex Pro, some code changes may be required to accommodate the different expansion boards and on-board microSD card slot.

The Verdex Pro product line is based on the PXA270 processor. Gumstix Engineers included the best of the basix, connex and verdex products in the verdex pro with as much backward compatibility as could reasonably be attained.

As of January 2009, Gumstix has been advised by our distributor that Marvell will be selling the PXA 270 processor at least until 2014.

Note: Roadmap, date and product features are subject to change without notification.

## Phasing out: PXA255-based Basix & Connex and Waysmall & Netstix computers

### September 15, 2009 Update

As of immediately, Gumstix is accepting final requests for orders that include 120 or more Gumstix basix and Gumstix connex product lines, which are based on Marvell's PXA255 processor.

Note that the lead time for these orders is projected to exceed 12 weeks as the lead time on the PXA255 processor is currently 12 - 14 weeks, according to our latest news from Marvell. Gumstix no longer accepts orders retail orders of the basix or connex product lines.

### March 31, 2009 Update

Volume orders of PXA255-based products: Any Gumstix OEM customers wishing to make a volume purchase(s) that includes Gumstix basix or connex products should contact [sales@gumstix.com](mailto:sales@gumstix.com) before the end of May 2009 to obtain a purchase quotation. All customers making a volume purchase that includes any basix or connex products must make their order confirmation payment(s) no later than May 29th, 2009 via a wire transfer.

Orders @ [gumstix.com](http://gumstix.com) (retail): PXA255-based orders at [gumstix.com](http://gumstix.com) will only be accepted for those products shown to be in stock as Gumstix is no longer restocking PXA255-based Gumstix products.

### February 11, 2009 Update

To all Gumstix' OEM customers making volume purchases of our Marvell PXA255-based products (basix and connex)

Gumstix has determined that almost all of our OEM customers have made the transition to using the Verdex Pro or Overo product lines instead of the PXA255-based basix or connex product



lines. As such, the company plans to accept volume order confirmations for volume sales of our basix and connex product lines until May 29th, 2009.

By gaining customer commitments before this final business day in May, Gumstix can make a last time buy of the required processors and components in June 2009, to ensure that Gumstix orders well within the timing of the product end of life plans of Marvell.

Gumstix plans to complete all volume orders for the PXA255-based connex and basix products by the end of July, 2009.

Any Gumstix OEM customers wishing to make a volume purchase(s) that includes Gumstix basix or connex products should contact [sales@gumstix.com](mailto:sales@gumstix.com) before the end of May 2009 to obtain a purchase quotation. All customers making a volume purchase that includes any basix or connex products must make their order confirmation payment(s) no later than May 29th, 2009 via a wire transfer.

If you have any questions or concerns about this plan, please free to contact [sales@gumstix.com](mailto:sales@gumstix.com).

Don Anderson  
EVP Engineering Services  
@ Gumstix

## January 2009 Update

The PXA255 last time order date is July 2009, according to recent information from our supplier.

Here at Gumstix, we strive to support design engineers throughout the life cycles of their products.

First and most importantly, Gumstix needed to address the expected end-of-life of the Marvell PXA255, which is incorporated into our basix and connex product lines and our waysmall and netstix computers. Gumstix has been informed that last orders for the PXA255 would be received by Marvell until mid-2009.

Second, in October 2008, Gumstix created a product category at [gumstix.com](http://gumstix.com) called \*Phasing Out\* to let designers be aware in advance of these product changes to the PXA255-based basix and connex product lines, and the waysmall and netstix computers.

As of January 2009, these Gumstix products are being phased out:

1. basix motherboards
2. connex motherboards
3. verdex motherboards (not verdex pro) products
4. waysmall computers
5. netstix computers

Third, in January 2009, customers should be aware of the following conditions when considering a purchase of the PXA255-based Gumstix products:

- The Gumstix basix and connex products may be discontinued from web-based purchasing @ [gumstix.com](http://gumstix.com) at any time, without further notice from Gumstix.
- The Gumstix basix and connex products will be available for volume purchasing during the first half of 2009, via [sales@gumstix.com](mailto:sales@gumstix.com) as component supply allows.

Note: Roadmap, date and product features are subject to change without notification.

## EOL: WiFi module FCC and EU for verdex pro series

The last inventory available of the Wifi module FCC and Wifi module EU available to Gumstix has been put into stock at [www.gumstix.com](http://www.gumstix.com).

Being sold at a discounted price, this is the final inventory available. Once all of these modules have been purchased by customers, Gumstix plans to discontinue any future sales of these two

modules and may remove the related connector on the netpro-vx expansion board, in future versions of the netpro-vx board.

May 4th, 2010: Gumstix has received an EOL notice for the Wifi module FCC and Wifi module EU that provide 802.11b/g communication in the Verdex Pro series. As a result, 802.11b/g wireless communications for the Verdex Pro series will become EOL once stock is depleted. This EOL information received by Gumstix states that these modules can not be available for purchase by Gumstix after May 2010. As such, Gumstix is taking the following steps in May 2010:

1. Any customer wanting to purchase either the Wifi module FCC or the Wifi module EU, in low or high volume, must contact [sales@gumstix.com](mailto:sales@gumstix.com) before May 21st, 2010 to indicate your requirements.
2. Gumstix plans to make a last time buy before the end of May 2010 based on customer demand.
3. The Wifi module FCC and Wifi module EU will be available for purchase from Gumstix until May 28, 2010 or until stock runs out at the Gumstix warehouse, whichever is later.

#### More Information:

A small form factor, PCMCIA-connected Wifi module to replace this EOL module for the netpro-vx expansion board is not available in the industry now. Gumstix recommends the use of a USB-connected 802.11b/g product, as suitable.

Note that 802.11b/g wireless communication is available on several [Overo COMs](#).