

VAMPIRE V4

ANNOUNCEMENT LETTER

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2. INTRODUCTION

After the big success of the Vampire 600 V2 and Vampire 500 V2+, Apollo Team is proud to announce their next generation FPGA device: the **Vampire V4**.

The Vampire V4 is made with a standard “one design to fit them all” and comes in three flavors depending on customer need:

- **The Vampire V4 Standalone System**
- **The Vampire V4 for Amiga Classic compatible with**
 - Amiga 1000/500/2000/CDTV
 - Amiga 600 with kippa's adapter (if produced)
- **The Vampire V4 for Amiga 1200**

This new Vampire V4 packs many upgraded specifications and brings Amiga Classic systems to another new performance paradigm thanks to its new Altera Cyclone 5 A5 FPGA and fast DDR3 memory.

The Vampire V4 standalone system will be a complete new Amiga system powered by the 68080 CPU core and the complete SAGA chipset (AGA compatible).

3. SPECIFICATIONS

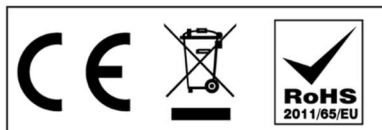
Vampire V4 is powered by:

- **FPGA** : Altera Cyclone V A5
 - 77k LE
 - 28nm technology
- **RAM** : 512MB DDR3 (up to 1GB/s)

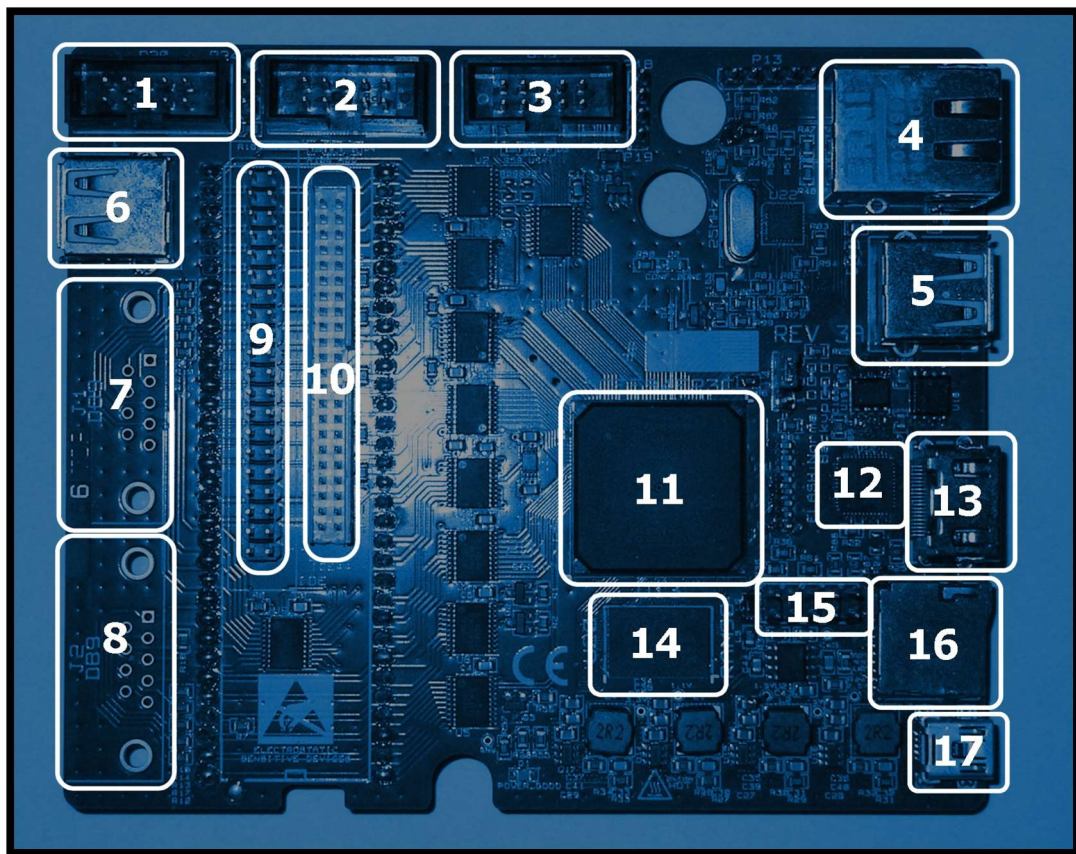
And supports:

- FastIDE with 40/44-pin connectors
- Digital Video-out up to 720p@60Hz
- Dual Kickstart-flashrom (for safety)
- MicroSD Storage

Certification: Vampire V4 is CE, WEEE and RoHS compliant



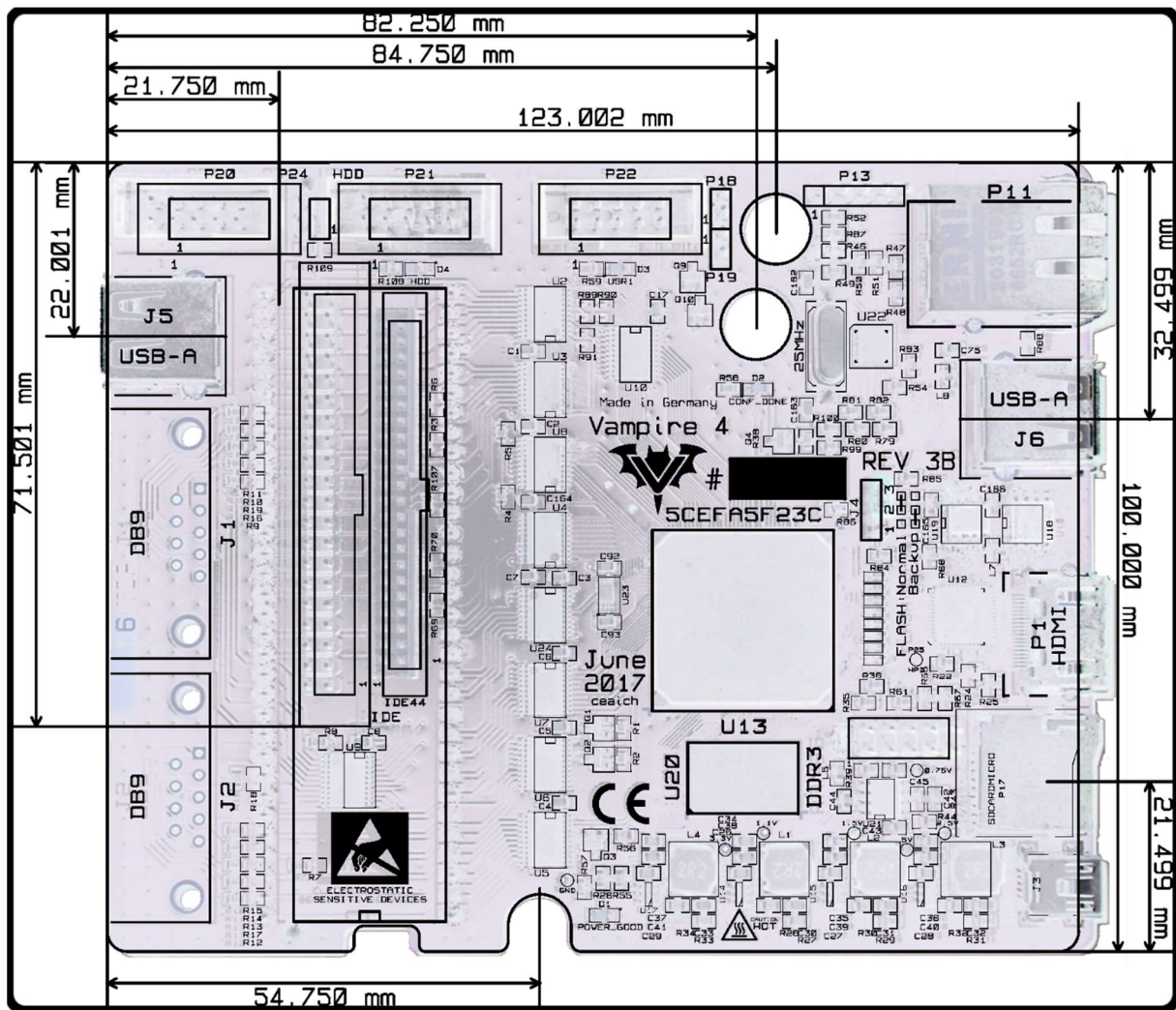
4. PCB DESIGN



PCB is populated by:

1. IO Header #1
2. IO Header #2
3. IO Header #3
4. Ethernet
5. USB
6. USB
7. DB9 (standalone only)
8. DB9 (standalone only)
9. FastIDE 40-pin
10. FastIDE 44-pin
11. FPGA
12. Digital Video Amplifier
13. Digital Video Output
14. DDR3 RAM
15. JTAG Header
16. MicroSD slot
17. MiniUSB Power (standalone only)

5. PCB DIMENSIONS (FOR CASE MAKERS)



6. DISTRIBUTION

In response to the unexpectedly high demand for Vampire 600 V2 and Vampire 500 V2+, the Vampire V4 will be sold exclusively through our authorized resellers:

- | | |
|------------------------------|---|
| • Amedia Computer France SAS | https://www.amedia-computer.com/fr/ |
| • Leaman Computing Ltd | http://amigakit.com/ |
| • RELEC | http://www.relec.ch |
| • AmigaStore | http://amigastore.eu |
| • Amiten Store | http://amiten.es/ |

7. PRICE

Price is actually not set. Expect an increase in price due to higher specification of Vampire V4 than current Vampire 600 V2 and Vampire 500 V2+.

8. AVAILABILITY

Apollo Team expects first batch of Vampire V4 to be available in **Q4'17**. An official ETA will be announced once first batch order is processed at factory. Strategy is to deliver first A1000/A500/A2000/CDTV model, then standalone system and finally A1200 one.

9. PENDING V600 AND V500 ORDERS

Choice will be offered to customers with pending orders for a Vampire V600 V2 or Vampire V500 V2+ to switch on the new Vampire V4, paying the price difference plus shipping once the Vampire V4 is available or to wait for next V600 V2 and V500 V2+ batches.

10. CONTACT INFOS

For more information, get in touch with Apollo Team on IRC

Server: chat.freenode.net

Port: 6667 (non-SSL), 6697 (SSL)

Channel: #apollo-team

Or by email: info@apollo-accelerators.com