

ULTIMATE-MICRO.com

**-Thank you Sean, James, and Michael**

**-donations for garage sale items**

**-KFest committee**

**-Members of the community**

**-and you**

ULTIMATE-MICRO.com  
**KFEST Refreshments**

**UM Is Offering Espresso, Coffee, and Tea.  
Room 133**

**UM Travel Mugs: $10 Unlimited Refills.**

**We Ask For A $1 Donation.**

ULTIMATE-MICRO.com  
**Year In Review**

* **Official Launch of Ultimate-Micro.com**

  
  
UM logo to more easily identify  
collaborative projects.

ULTIMATE-MICRO.com  
**Year In Review**

* **Always looking to work with people or help market your project.**
* **Anyone looking to collaborate, please contact us.**
* **Dagen Brock – MiniMemoryTester**  
  **https://github.com/digarok/mmt**

ULTIMATE-MICRO.com  
**Year In Review**

* **UA2 Launch of Support Forums and New Store.**  
    
  Manuals – Software – Support
* **Apple II Forever Award**

ULTIMATE-MICRO.com  
**Year In Review**

* **UM Completed and Released Projects:**

TWGS v1.0 SO v1 and V2

8Meg RAM Card v2 No-Slot Clock

32k Cache Card v7 A2DiskContoller v1.1

Universal PSU Kit Mockingboard

DuoDisk Cable RAMWorks IIII Kit

RAMWorks and RAMFactor Expanders

IIgs ROM0 to ROM1 Adapter

SOJ to DIP Adapter

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**Year In Review**

* **Project Review Team Partners:**

Chris Torrence: Assembly Lines  
 **https://goo.gl/Vxy3VY**

Joe Strosnider: Joe's Computer Museum  
 **https://goo.gl/ZCl3Ia**

ULTIMATE-MICRO.com  
**KFEST Releases**

* **RAMWorks IIII Kit**
* **Universal PSU Kit**
* **Apple Confidential Files!**Big thank to Javier Rivera for his help!  
  Anonymous Donor.  
  ReActiveMicro.com Downloads:

**https://goo.gl/ITRuxz**



**News And Updates**

* **Pi v6.5 Project**
* **Pi v4.4b Re-released**
* **IDEA2c Drive Collaborators**
* **PSU Enclosures**
* **EDD4+ v1.2 In Store**
* **Raffel**



**News**

* **UM Completed and Released Projects:**

TWGS v1.0 No-Slot Clock SO v1 and V2  
~~Mockingboard~~ DuoDisk Cable RAMWorks IIII Kit  
8Meg RAM Card v2 32k Cache Card v7  
A2DiskContoller v1.1 Universal PSU Kit  
RAMWorks and RAMFactor Expanders  
IIgs ROM0 to ROM1 Adapter  
SOJ to DIP Adapter

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**News**

* **Standard Features on ALL Projects**

**Gold Fingers  
Tantalum and Ceramic Power Filtering Capacitors  
Resettable Fuse  
Power LED**

* **Moved from 1206 to 603 Parts on ALL Projects**

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**News**

* **Schematics Released**CV Tech 8 Meg RAM Card  
    
   RAMWorks III  
    
  RAMWorks III 2 Meg Expander
* **Via and Track Sizing Guide**

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**News**

**New Wiki**  
**www.ReActiveMicro.com/wiki**

Like apple2faq.com, but more open.

* **New Store / Website**  
  store.ReActiveMicro.com

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**KFEST Release!**

* **Project Release:**  
   Phasor
* **Raffle:**  
   MicroDrive/Turbo  
   Phasor

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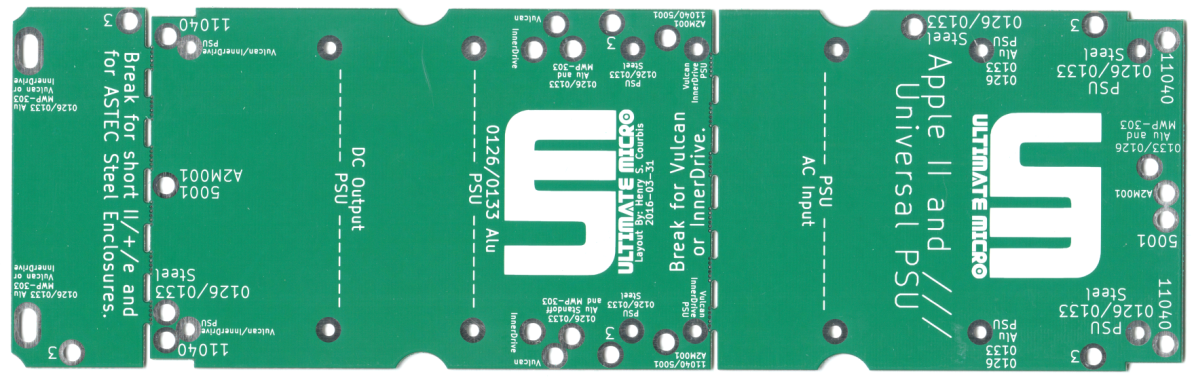
**News**

* **Open Apple Interview**  
   Pod Cast #55
* **Moved to KiCAD**
* **Milestone Projects:**  
   Universal PSU Kit

No-Slot Clock v1.3  
6 RAMWorks IIII Kit



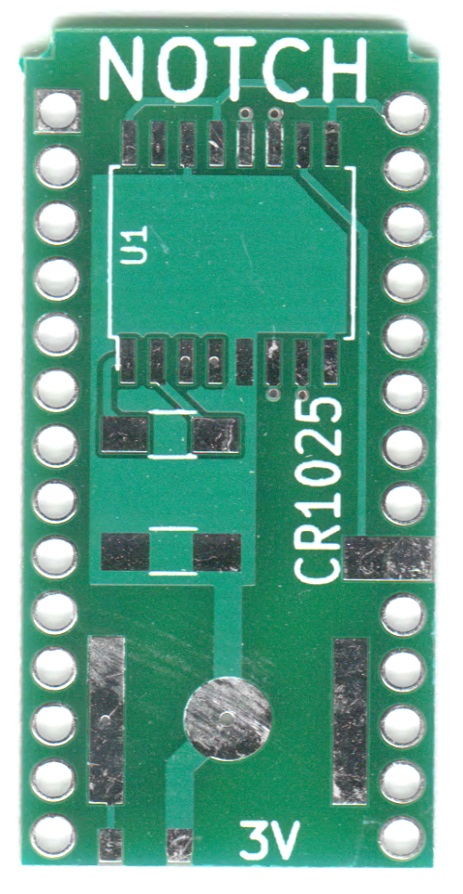
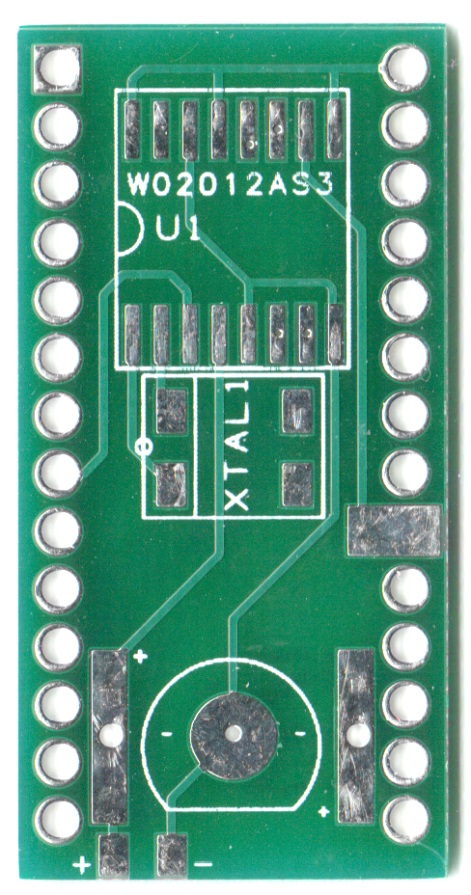
**Milestone Project: Universal PSU Kit**



Allows A Known Good Starting Point For Testing  
No “Perfect” Solution Was Available  
Separate Session About All The Above Points

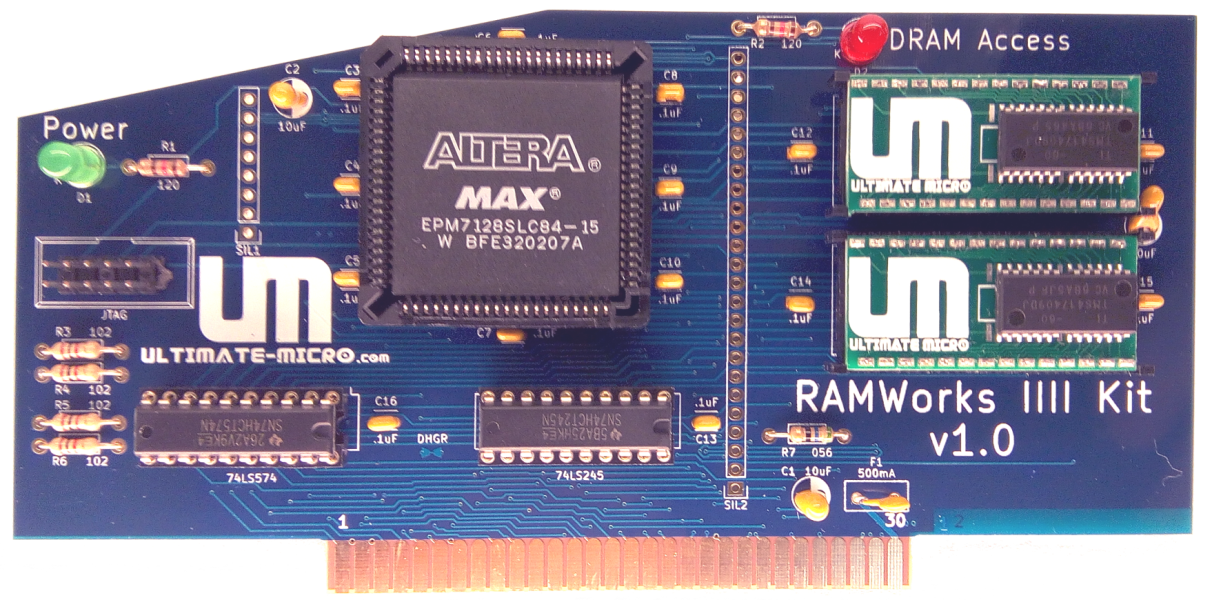


**Milestone Project: No-Slot Clock v1.3**





**Milestone Project: RAMWorks IIII Kit**



Apple II First: Most Dense DRAM Ever Used In Apple IIe

Kit Designed For KFEST / SolderFEST

Circuit Can Be Reused In Other Projects



**New Issues Encountered**

* **Socket Stretch**

All New Adapters Designed With DIP Plugs (.015 mil pins)

Apple Used Low Quality Sockets





**New Issues Encountered**

* **A2Heaven’s RAMWorks VGA**

Found And Resolved Issues In Platinum IIe

Issue Confirmed Fixed By Joe Strosnider

Plamen Vaysilov Including Mod On All New Boards



**Project Plan 2016-2017**

* **Universal HDMI Adapter**
* **TransWarp v2**
* **IIe Kit**
* **RAMWorks IV (16Megs)**
* **RAMWorks Compatible RGB Card**



**Project Plan 2016-2017**

* **3.5” Disk Controller (SWIM IC)**
* **Apple II/+ ROM/Language Combo**
* **Phasor v2**
* **Amiga / Commodore**
* **Open Source and Unlocked**



**Project Collaboration**

* **Anyone looking to collaborate, please contact me.**
* **TransWarp v2 – Geoff Body**
* **IIe Kit - Britt Dodd**
* **Phasor v2 – Tom Arnold**
* **Amiga PSU - John Swiderski**



**Project Collaboration**

* **Able To Help Review Projects And Layouts**
* **Recommend ICs And Find Bulk Sources**
* **Diagnose Issues And Find Solutions**
* **Help Bring Projects To Market**



**Project Collaboration**

* **Justin Scott**Triple-Trouble & Interface Two
* **Xander Mass**Firmware Development Card

**Thanks!**

Anthony Martino, John Morris, Geoff Body, Tom Arnold  
Glenn Jones, Plamen Vaysilov, Dagen Brock,   
Chris Torrence, Joe Strosnider, David Ramsey  
Gabriele Gorla, My Legs For Supporting Me  
My Fingers - I Can Always Count On Them  
My Arms For Always Being By My Side  
Xander Mass, My Hands For Helping Me Hold On   
Javier Rivera, Everyone I Forgot To List  
**Apple II Community - Woz**  
**KFEST Committee For Their Time And Efforts To Make KFEST Happen!**