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# Apple ][ ROMS

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028- What are the numbers and functions of major Apple II ROMs?

341-0001-00*	Integer BASIC E0	1978
341-0002-00*	Integer BASIC E8	1978
341-0003-00*	Integer BASIC F0	1978
341-0004-00*	Integer BASIC F8 (Old Monitor ROM)	1978
341-0009	13 Sector drive controller P5 ROM	
341-0010	13 Sector drive controller P6 ROM	
344-0010-B	Ile MMU (not a ROM chip)	
341-0011-D0*	Applesoft BASIC D0	
341-0012-D8*	Applesoft BASIC D8	
341-0013-E0*	Applesoft BASIC E0	
341-0014-E8*	Applesoft BASIC E8	
341-0015-F0*	Applesoft BASIC F0	
341-0016-00*	Programmer's Aid #1	1978
341-0020-F8*	Applesoft BASIC F8 (Autostart Monitor ROM)	
344-0022-A	Ile IOU (not a ROM chip)	
341-0027	16 Sector drive controller P5 ROM	
341-0028	16 Sector drive controller P6 ROM	
342-0033-A	//c Monitor ROM \$00	1985
341-0036	][plus character ROM	
341-0065-A	Super Serial Card	1983
342-0077-A	IIGS ROM-00	
342-0077-B	IIGS ROM-01	1987
341-0080-B	ProFile 5MB RW-Z8	1981
341-0112-A	Apple SCSI (non-HS) revision A firmware	
341-0112-B	Apple SCSI (non-HS) revision B firmware	
341-0124-A	IIGS Keyboard i8048	
342-0132	Ile (and //c) Keyboard ROM (USA)	1982
342-0132-A	Ile (and //c) Keyboard ROM (USA)	1982
342-0132-B	Ile (and //c) Keyboard ROM (USA) rev DVORAK, pad	
342-0132-C	Ile (and //c) Keyboard ROM (USA)	
342-0132-D	//c Keyboard ROM USA	1984
342-0133-A	Ile Video (Char Gen) ROM	1982
342-0134-A	Ile EF ROM	1982
342-0135-A	Ile CD ROM	1982
342-0135-B	" (identical)	1982
341-0150-A	Ile Keyboard ROM UK/USA	1982
341-0151-A	Ile Keyboard ROM deutsch/USA	1982
341-0160-A	Ile Video ROM UK/USA	1982
341-0161-A	Ile Video ROM Deutsch/USA	1982
341-0170-A	Ile HAL (not a ROM chip)	
341-0265-A	//c USA Char Gen	1983
342-0272-A	//c Monitor ROM \$FF (original)	1983
342-0273-A	//c, //e (enhanced) Char Gen UK	

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342-0274-A	//c, //e (enhanced) Char Gen French	
342-0275-A	//c, //e (enhanced) Char Gen Deutsch	1983
342-0276-A	//c, //e (enhanced) Char Gen Italian	
342-0303	//e (enhanced) EF ROM	
342-0304	//e (enhanced) CD ROM	
342-0306-A	//c, //e (enhanced) Char Gen Western French	
342-0307-A	//c, //e (enhanced) Char Gen Western Spanish	
342-0349-A	//e (platinum) CF ROM	
342-0372-A	//e (enhanced) KB ROM deutsch/USA	1985
341-0437-A	Apple SCSI (non-HS) revision C firmware	
342-0445-A	//c Monitor ROM \$03 (memory expandable)	
341-0625-A	//c plus Monitor ROM \$05	1988
341-0728	IIGS ROM 3 FC-FD (prototype)	
341-0729	IIGS ROM 3 FE-FF (prototype)	
341-0737	IIGS ROM 3 FC-FD	1989
341-0748	IIGS ROM 3 FE-FF	1989
341-0749	IIGS ROM 3 FE-FF (prototype)	

\* Note: Use of "-00", "-DO", etc. suffixes (or no suffix) seems to vary radomly. For instance, an E8 ROM might be numbered 341-0014 or 341-0014-00 and have "E8" stamped elsewhere on the ROM.

In most cases, this also seems to apply to "-A", "-B" suffixes (or having no suffix).

A WORKING APPLE II

VERY RARE "REVISION 02" MOTHERBOARD!

WITH LOW SERIAL NUMBER #18977

(THIS IS NOT A II PLUS!)

HERE'S WHY THIS IS A ONE-OF-A-KIND MUSEUM GRADE OFFER:

The Apple II

1. An original, really beautifully preserved Apple II, all around including bottom.

2. Low serial number #18977.

3. Original 1978 Motherboard #7907 with the number handwritten (they don't do that anymore these days ;) (see picture). Motherboard is "Revision 02", extremely rare since these were only made for approximately 4 months between August and December 1978!

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4. Original silver color power supply #A2M030-33960, with handwritten modification of the model number (they also don't do that anymore these days).

5. Original Apple II keyboard with all original keys and with the lifted "Power" button which works. Of note: the keyboard attaches to the motherboard through the colorful (not grey) ribbon connector used in the early days of Apple (see picture).

6. Original 1978 "Apple Computer ROM card". Rare.

7. Sup 'R' Mod II Ch33 TV interface unit, for connection to TVs or monitors. Not rare at all ;)

8. And it's still working as you can see from the picture.

## Manuals

9. First edition manual, 1978, "Programmer's Aid #1" from "Apple Utility Programs" series.

10. First edition manual, 1978, "Contributed Programs" from "Apple Software Bank" series.

11. First edition manual, 1978, "Apple II Applesoft – Basic Programming Reference Manual". This manual includes a mint version of the folded and detachable "Quick Reference Guide" still firmly attached in the manual (see picture).

12. First edition manual, 1978, "Apple II Basic Programming Manual", written by Jef Raskin, Apple Computer's 31st employee. Jef Raskin started the Macintosh project in 1979, the Macintosh being named after his favorite apple variety McIntosh.

13. First edition manual, 1979, "The Applesoft Tutorial", based on the "Apple II Basic Programming Manual" by Jef Raskin and written by Caryl Richardson. This manual includes the very rare "Errata Sheet" to correct the information printed on page 148 (Apple Part #031-0044-01).

14. First edition manual, 1979, "The do's and don'ts of DOS", written by Brian Howard, Apple Computer's 32nd employee and Phyllis Cole who expanded Apple's publications department when Jef Raskin started the Macintosh project.

15. First edition manual, 1979, "Apple II Reference Manual", written by Christopher Espinosa, Apple Computer's 8th employee. This manual contains a 17"x20" mint fold-out version of the patented "Apple II Main Logic Board

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Schematic" (see picture).

16. First edition manual, 1980, "The DOS Manual". This manual includes a mint version of the folded and detachable "Quick Reference Card" still firmly attached in the manual (see picture).

I can provide pictures of the back of these manuals too. Most of the manuals available today are from a second or third edition in 1980 and 1981, simply because more Apple II computers were sold then.

## Disks

17. Two rare, working, original "Apple Computer disk II" drives Model A2M0003 in very good condition. Both drives have the rare early colorful ribbon connectors instead of the typical grey connectors. They are clean all around and each has its original 4 feet.

Interesting is that one drive (serial #198149) has the trademarked "Apple Computer Inc." logo with "TM" while the second drive (serial #394066) has the registered "Apple Computer Inc." logo with "R". It shows the legal evolution of Apple Computer as a company.

Also special with these drives is that they both have the bypass "Disk Switch" which avoids the need to remove the floppy disk from the drive to then 'peel off' or 'stick on' the 'Write-Protect' stickers. That was a useful feature when revising programs. It also allows to write on the back of disks. Very rare.

18. Original 1978 "Apple Computer Disk II Interface Card" which connects the Apple II with the then new and revolutionary disk drives.

19. A very rare one page sheet with "Installation Instructions for the Disk II cable connector" (Apple part #031-0013-00) explaining how to connect the disk drives to the interface card to avoid unrepairable damage.

20. Extremely rare "Apple disk II" box to store floppy disks. While the box itself is a rarity what makes it exceptional is the fact that 1) on the front side the "R" Registered Mark logo is missing on this box, and 2) on the back bottom left corner the Apple Part number is also missing (see pictures). I don't know if this was a prototype box or the very first version, I would think it's the latter. In any case, if you already find such a box it most likely has the R logo and product number printed on the box. Not this one!

21. Set of three floppy disks in their very well preserved (front and back) "disk II" sleeves with the colorful Apple rainbow logo. Includes the "DOS 3.3 System Master" disk to get started and the "DOS 3.3 BASICS" disk from the "diskware" series.

22. Very rare, 48 original "Apple II Computer 16 Sector Disk" stickers with the red Apple logo. These were used to label computer cards and disks which supported 16 Sector Disks that could boot themselves up (Apple Part #026-0033-00).

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23. Complete sheet of 20 silver colored "Write Protect" stickers, to protect disks against accidental overwriting.

#### Accessories

24. The hard to find soft carry case in faux leather that Apple specifically designed for the Apple II and the first in a series of carry cases Apple designed for its products over time. The case measures 21"x18"x6", is clean and is in very good condition inside and outside. It has a pouch inside and comes with the original shoulder strap which is also detachable. The bottom has all four original feet as designed.

25. Two rare black Apple Computer paddles (see picture) which can be directly plugged into the motherboard; connector in perfect shape.

26. Working BMC KG-12C monitor "Solid State Data Display" (manufactured March 1981) with the "Owner's manual" and the "Schematic Diagram" for the monitor (picture available). Very rare to still have these original documents with the monitor. The monitor comes with an end 70-ies video cable to connect with the Apple II.

#### Advertisements

27. The extremely rare to find prelaunch (!) original and full color 4-page Apple brochure for the Apple II. Titled "Simplicity is the ultimate sophistication – Introducing Apple II, the personal computer." Printed on heavy weight paper in April 1977! This is prior to the official release date of June 10, 1977 for the Apple II. The brochure is in excellent condition after almost 40 years, exactly like Apple distributed them for a very limited time in a folder with a collection of copies that served as a mini-manual. That is the reason for the three punch holes and a slight vertical fold on the left; Apple made it like that. As far as I know this is the only time Apple used an actual apple to introduce a new model.

28. The original 2-page advertisement from Apple for the Apple II in Byte Magazine of October 1978: "Why Apple II is the world's best selling personal computer". Hard to find this piece of Apple history in this excellent condition.

#### Stickers

29. Very rare, 18 original "Apple Rainbow Logo" stickers of varying size. Complete set.

30. One earliest version, original and mint "Apple Rainbow Logo" sticker on brown background, with the very specific guidance "Bend Back And Peel". Apple Computer Inc. name written in its early days' "Mottet Tektura" typeface.