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Power Macintosh 5200: 8 bit Or 16 bit Sound? (11/95)

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TOPIC ---

I have heard that there will be two different logic boards for the 5200 series
of Macintosh computers. Reportedly one will have 8-bit audio and the other will
have 16-bit audio. Is it true? If so, is there any easy way to tell the
difference between the two?

DISCUSSION --

There are two versions of the logic board for the Macintosh 5200 Series.

• Apple released a LC and a Performa version in April which has 8-bit sound.

• Apple released 16-bit sound in July for the new Macintosh Performa computers.

However, the original Performa 5200 configurations still have 8-bit sound. Plans
to transition those configurations to 16-bit sound are in development. In
September of 1995 we will start making logic boards with 16-bit sound for the LC
version of the 5200.

Below is information, such as order number, release date, and the last three
digits of the serial number, that you can use when determining which versions
customers have.

Additionally, there are markings (EEE#) on the logic board so Service Providers
can distinguish between the logic boards. These notes will be added to Module ID
Guide as well.

Begin_Table

Order no.	Product Name	Release Date	Sound	Serial	EEE#
M3947LL/A	5200 LC 8/500/CD	4/95	8-bit	4P7	4V3
M3917LL/A	5200 LC 8/500/CD/VI/TV	4/95	8-bit	4P9	4V3
M3947LL/B	5200 LC 8/500/4XCD	7/95	8-bit	5NP	4V3
M3947LL/C	5200 LC 8/800/4XCD	9/95	16-bit	67Z	5NR

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M3940LL/A    5200 Performa 8/500/CD            4/95   8-bit   4P7     4V3
M3941LL/A    5200 Performa 8/500/CD/TV/VI      4/95   8-bit   4X7     4V3
M4110LL/A    5200 Performa 8/790/4XCD/14.4     7/95   16-bit  5KV     5NR
M4107LL/A    5215 Performa 8/1000/4XCD/14.4    7/95   16-bit  5BY     5NR
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End_Table

If you encounter a serial number not listed here, then you can identify the
Primetime chip itself by looking at the manufacturing part number at location
U6, near the LC-PDS connector:

Begin_Table

```
Manufacturing P/N    Primetime chip    Sound    Replacement P/N   EEE#
========================================================================
    343S0138              II            8-bit       661-0931       4V3
    343S1189              III          16-bit       661-1008       5NR
```

End_Table

Notes:
1. There is a related TIL article, "Macintosh 5200 Series: Which Support 16-bit
Sound?", which is avilable for the general public.

Article Change History:
14 Nov 1995 - Modified access.
13 Nov 1995 - Updated title
10 Nov 1995 - Corrected part number information

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