MBHP OPL3 Module

About

This module allows a Core module to control a Yamaha OPL3 chip for use as a synthesiser.

Getting Started

- Tools
- Soldering
- Where to buy Parts
- Etching PCB's
- Terminating cables

Special Instructions

- Soldering SMD components

Details

Pin out list

```
list it
```

PCB files

```
list 'em
```

Schematic

```
you can do it
```

Parts List

```
list
```

Building it

Building instructions

```
blah blah blah
```

Testing

```
testing instructions
```

Common issues / Troubleshooting

```
 blah blah blah
```

References

Hardware troubleshooting

Chip Reference Table

This table is a listing of PC soundcards which contain or do not contain the two chips necessary to stuff this module

Please add chip name to the first two columns to indicate the presence of that chip.

Please try to keep entries in alphabetical order for clarity

YMF262?	YAC512?	Brand	Model Name	Model Number	Part Number	Comments
YMF262-M/YMZ263-F	YAC512-M	Ad Lib Inc	AdLib	Gold 1000 Rev-3		FCC ID: KBWGD1000
YMF262-M	YAC512-M	Aztech	SoundGalaxy	Basic 16	138-MMSN830	

YMF262?	YAC512?	Brand	Model Name	Model Number	Part Number	Comments
No	YAC512-M	Aztech	SoundGalaxy	Pro 16	138-MMSN810	YMF-262 incorporated into ASIC on this card
No	YAC512-M	Aztech	SoundGalaxy	Pro 16 II	138-MMSN822	YMF-262 incorporated into ASIC on this card
YMF262-M	YAC512-M	Aztech	SoundGalaxy	Waverider Pro 32-3D	138-MMSN852	
No	No	ESS	AudioDrive	FM16PNP		
?	?	Creative	SoundBlaster	1.0 / 1.5	CT1320	
No	No	Creative	SoundBlaster	2	CT1350B	
?	?	Creative	SoundBlaster	Pro 1	CT1330	
YMF262-M	YAC512-M	Creative	SoundBlaster	Pro 2	CT1600	
?	?	Creative	SoundBlaster	16	CT1730	
YMF262-M	YAC512-M	Creative	SoundBlaster	16 ASP	CT1740	
YMF262-M	YAC512-M	Creative	SoundBlaster	16 MCD ASP	CT1750	
?	?	Creative	SoundBlaster	16 SCSI\-2 ASP	CT1770	
?	?	Creative	SoundBlaster	16 SCSI\-2	CT1779	
?	?	Creative	SoundBlaster	16 MCD ASP	CT2230	
?	?	Creative	SoundBlaster	16 ASP	CT2230C	
?	?	Creative	SoundBlaster	16 Sony ASP	CT2230S	
?	?	Creative	SoundBlaster	16 MCD	CT2239	
?	?	Creative	SoundBlaster	16	CT2239C	
?	?	Creative	SoundBlaster	16 Sony	CT2239S	
YMF262-?	YAC512-?	Creative	SoundBlaster	16 MCD	CT2260	(OEM\-Version der CT2230)
No	No	Creative	SoundBlaster	16 Pro ASP	CT2290	
?	?	Creative	SoundBlaster	16 Value IDE	CT2291	
?	?	Creative	SoundBlaster	16 Pro	CT2299	
?	?	Creative	SoundBlaster	16 Vibra	CT2501	
?	?	Creative	SoundBlaster	16 ASP	CT2740	
?	?	Creative	SoundBlaster	16	CT2749	
?	?	Creative	SoundBlaster	Easy 16	CT2750	
No	No	Creative	SoundBlaster	16 Value	CT2770	
YMF262-?	YAC512-?	Creative	SoundBlaster	16 IDE	CT2800	(OEM\-Version der CT2291)
YMF262-?	YAC512-?	Creative	SoundBlaster	16 IDE	CT2810	(OEM\-Version der CT2291)
?	?	Creative	SoundBlaster	16 IDE ASP	CT2830	
?	?	Creative	SoundBlaster	16 IDE	CT2840	(OEM\-Version der CT2291)

YMF262?	YAC512?	Brand	Model Name	Model Number	Part Number	Comments
?	?	Creative	SoundBlaster	16 IDE	CT2839	
YMF262-M	YAC512-M	Creative	SoundBlaster	16	CT2860	(OEM\-Version der CT2291 ohne IDE)
YMF262-M	YAC512-M	Creative	SoundBlaster	16 IDE PnP	CT2890	(OEM\-Version der CT2959)
?	?	Creative	SoundBlaster	16 Pro	CT2910	
?	?	Creative	SoundBlaster	16 Pro Value	CT2911	
?	?	Creative	SoundBlaster	16 Pro ASP	CT2919	
?	?	Creative	SoundBlaster	16 PnP	CT2929	
No	No	Creative	SoundBlaster	16 IDE PnP	CT2940	(OEM\-Version der CT2959)
No	No	Creative	SoundBlaster	16 PnP	CT2950	
?	?	Creative	SoundBlaster	16 PnP	CT2959	
No	No	Creative	SoundBlaster	16 Vibra PnP	CT2960	
?	?	Creative	SoundBlaster	16 Vibra PnP	CT2961	
No	No	Creative	SoundBlaster	16 PnP	CT2980	
?	?	Creative	SoundBlaster	32	CT3930	
No	No	Creative	SoundBlaster	32 IDE PnP	CT3600	
?	?	Creative	SoundBlaster	32 PnP	CT3604	(OEM\-Version der CT3620 ohne IDE)
?	?	Creative	SoundBlaster	32 IDE PnP	CT3620	
?	?	Creative	SoundBlaster	32 IDE PnP	CT3671	
?	?	Creative	SoundBlaster	AWE32	CT2760	
?	?	Creative	SoundBlaster	AWE32	CT2760	Rev.3
?	?	Creative	SoundBlaster	AWE32 PnP	CT3601	(OEM\-Version der CT3960 ohne IDE)
No	No	Creative	Soundblaster	AWE32	CT3620	
?	?	Creative	SoundBlaster	AWE32 Value	CT3780	
?	?	Creative	SoundBlaster	AWE32 MKE/IDE	CT3900	
?	?	Creative	SoundBlaster	AWE32 Value IDE	CT3919	
?	?	Creative	SoundBlaster	AWE32 PnP	CT3960	
No	No	Creative	SoundBlaster	AWE32 PnP	CT3980	
?	?	Creative	SoundBlaster	AWE32 PnP	CT3990	
No	No	Creative	SoundBlaster	AWE64 PnP	CT4170	
No	No	Creative	SoundBlaster	16 Vibra C	CT4180	

YMF262?	YAC512?	Brand	Model Name	Model Number	Part Number	Comments
?	?	Creative	SoundBlaster	AWE64 PnP	CT4380	
?	?	Creative	SoundBlaster	AWE64 PnP	CT4381	
?	?	Creative	SoundBlaster	AWE64 Gold	CT4390	
No	No	Creative	SoundBlaster	AWE64 Value	CT4500	
No	No	Creative	SoundBlaster	AWE64 Value	CT4520	
No	No	Creative	SoundBlaster	Live!	CT4670	
No	No	Creative	Soundblaster	Vibra	CT4810	
YMF262-M	YAC512-M	Creative	SoundBlaster	16 Vibra		Laptop MAXDATA FT6000A (onboard)
YMF262-M	YAC512-M	Media Vision	PROAUDIO 3D		650-0111-51A	FCC ID: IXW-PASUM3D
YMF262-M	YAC512-M	Microsoft Corp	Windows SOUNDSYSTEM		900-310-011-B	FCC ID: C3KYFMA
YMF262-M	YAC512-M	OPTi Inc	930 Soundsystem		S0930S0010	IDE/PAN/SONY/MIT
YMF262-M	YAC512-M	Phillips	PCA70PS			
YMF262-M	YAC512-M	TeleVideo	teleWave	Q32/SRS	ASSY 143553-60 (REVC)	FCC ID DFCTELWVQ32SRS
YMF262-M	YAC512-M	Turtle Beach Systems	monte carlo	P/N 500.2	PCBISP16&2#31	FCC ID K33IFISP16R20
YMF262-M	YAC512-M	Oak Technologie	Mozart	BTC1820	REV.A	

Legend ASP=Advanced Signal Processor
MCD=MultiCD für Nicht\-ATAPI\-CDROMs
SCSI\-2=SCSI\-2 Schnittstelle
Sony=für SONY Nicht\-ATAPI\-CDROMs
Pro=44.1 kHz Aufnahmerate
Value=“sinnvoll” abgespeckt
PnP=Plug und Play
Easy=???
MKE=MITSUMI Nicht\-ATAPI\-CDROM\-PORT
Vibra=SB16, aber mit SBPro\-Mixerchip

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Last update: **2008/12/20 03:37**