MIDIbox 3396

This is a page for collecting ideas on how to build a synth based on the Curtis Electromusic Specialties CEM3396 IC chip, controlled via PIC of course. This chip is for example used in the Oberheim Matrix-1000 synth. It is out of production, but can be found at ebay from time to time.

Data Sheet of CEM3396

First please take a look at the CEM3396 data sheet.

🔧 Fix Me!

Additional info, A Readily available source of CEM 3396 chips:

try contacting marcus at: cheetahrepairs@lycos.co.uk The CEM3396 is £6.50 each or a complete set of 6 for £32.00.

One of the guys active here dealt with him whilst repairing one of his two matrix 1000's. He says: “This is an excellent sounding chip & would benefit highly from the Thorsten Treatment :)”

CEM 3396 contacts of interest, working on firmware for the Cheetah MS6, a Matrix clone:

See: http://www.maad.net/ms6/index.html Contact: kristofer@maad.net

This guy has patched up the firmware of an old matrix 1000 clone by cheetah, known as the ms6; to work properly ..amoungst other things. He also is in the process of rewriting a firmware for the module from scratch; and may have already made some progress... I guess this might be someone worth talking to on furthering the MIOS effort to utilise the CEM3396; Im sure he will have plenty of insight to offer.

Oh, and he's selling 3396's on his webshop too.

See his links page for other 3396 things: http://www.maad.net/ms6/index.html

And found on the above links; Heres another guy whos hacked the firmware.. http://www.butoba.net/homepage/ms6.html

oh and one final place that has a handful of cem3396's: http://www.synthtech.com/cems.html

Project - Turning a Oberheim Matrix 1000 / cem3396's into a multimode Xpander

I have done the damned hard groundwork for the hardware nessursary to turn a humble cem3396 chip into a multimode filtered monster, like the Xpander & M12. Sofar, i have created a Beta pcb layout to facilitate this, however if this project is to happen sooner, rather than later; volinteers for making the code happen are needed. otherwise, its where and when i get the time myself to do anything further with it.

see here: http://www.midibox.org/forum/index.php/topic,13770.0.html

volinteers ? :)

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