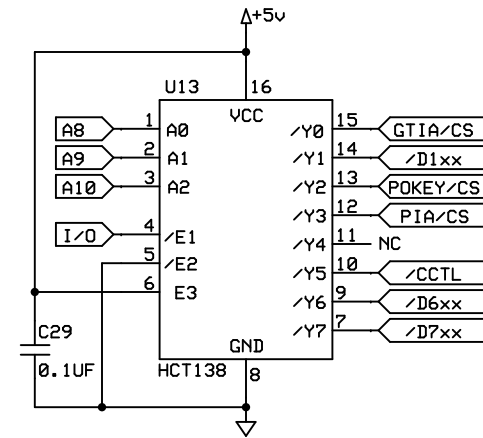


### CHIP SELECT DECODING



\*NOTE: /EXT = /EXTSEL, REQUEST BY EXTERNAL DEVICE (Parallel Bus) TO TURN OFF RAM ACCESS  
 /CI = /CASINH, RAM CAS INHIBIT GENERATED BY U1MB MMU DECODING

Mytek Controls

1088 XEL Mini-ITX MOTHERBOARD

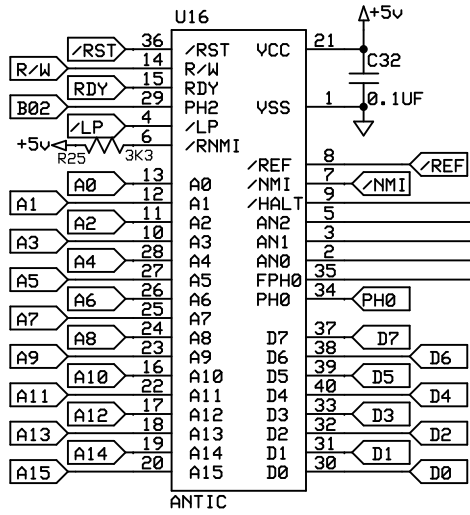
Michael St.Pierre

Rev 1.1

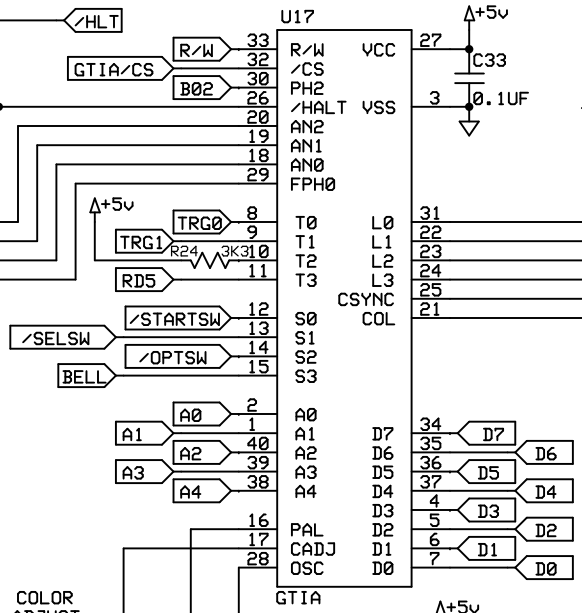
5/12/2018

CPU/MEMORY

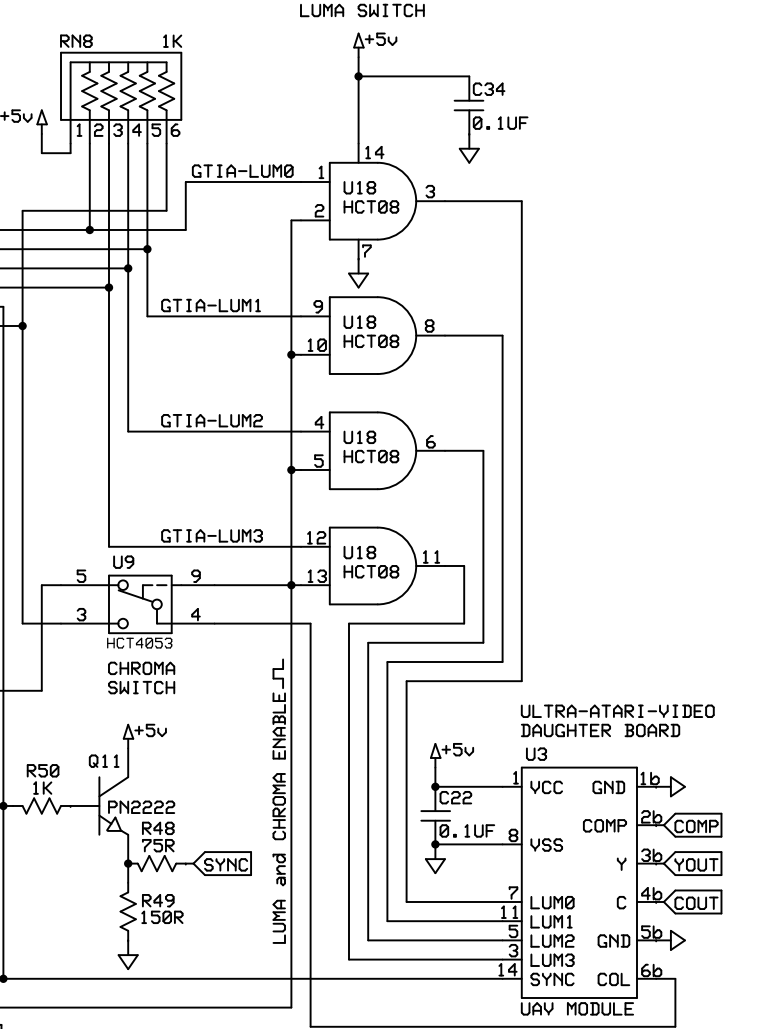
### VIDEO CO-PROCESSOR



### COLOR TV INTERFACE

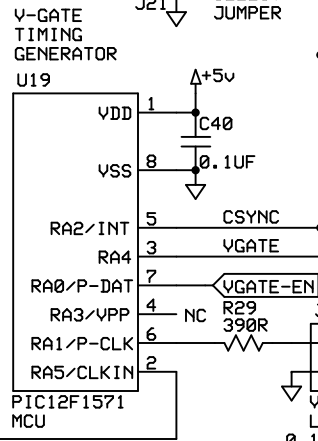
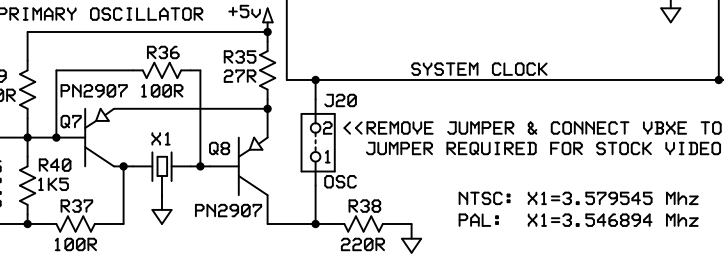
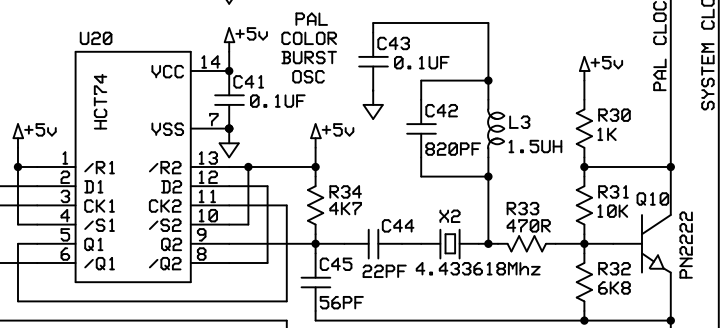
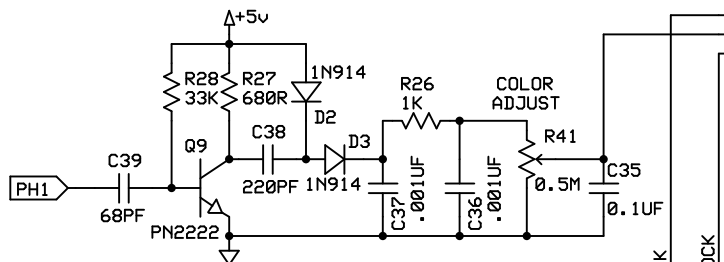


### VIDEO GATING



UAV MODULE REQUIRED FOR STOCK VIDEO  
(THIS MODULE PLUGS INTO THE XEL MOTHERBOARD)

VGATE GETS RID OF OVER SCAN AS SEEN ON MODERN MONITORS

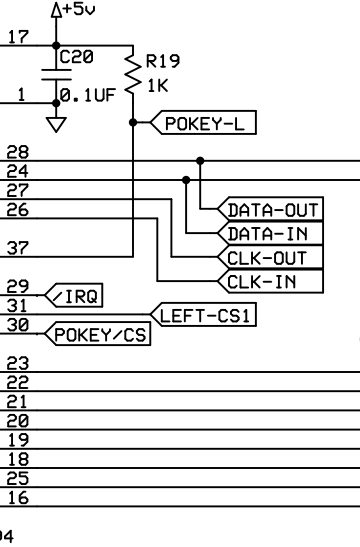
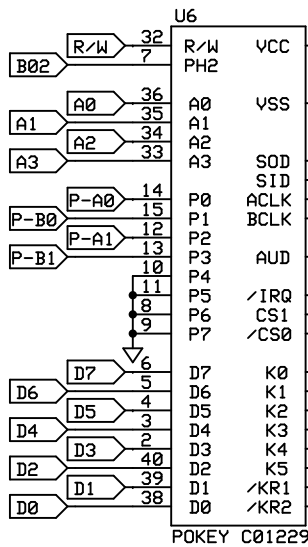


NTSC: X1=3.579545 Mhz  
PAL: X1=3.546894 Mhz

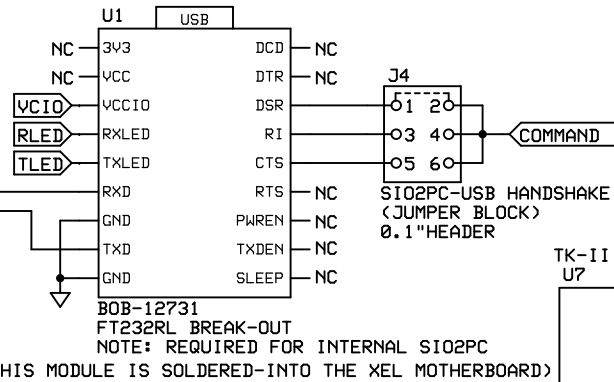
<<REMOVE JUMPER & CONNECT VBXE TO PIN 2  
JUMPER REQUIRED FOR STOCK VIDEO (NON-VBXE)>>

<b>Mytek Controls</b>		
<b>1088 XEL Mini-ITX MOTHERBOARD</b>		
Michael St.Pierre	Rev 1.1 5/12/2018	VIDEO

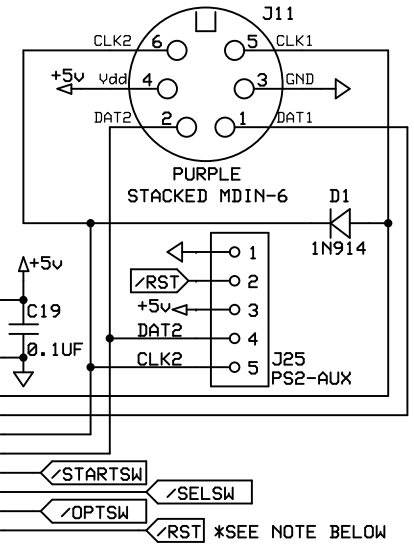
### LEFT CHANNEL POKEY



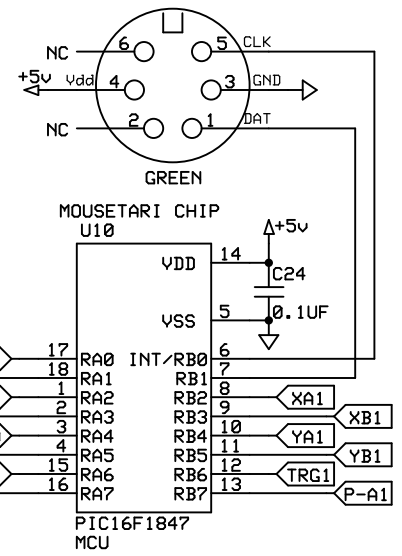
### SI02PC-USB



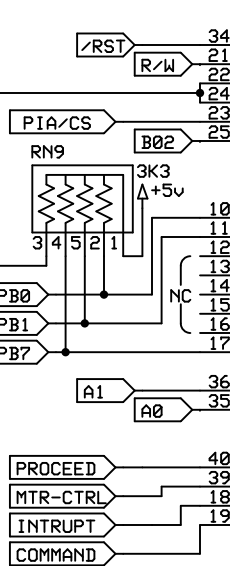
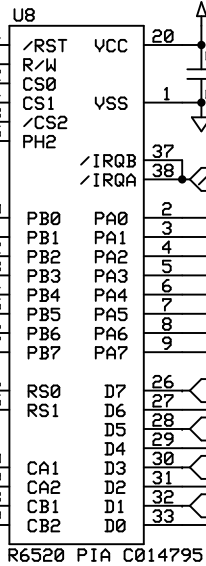
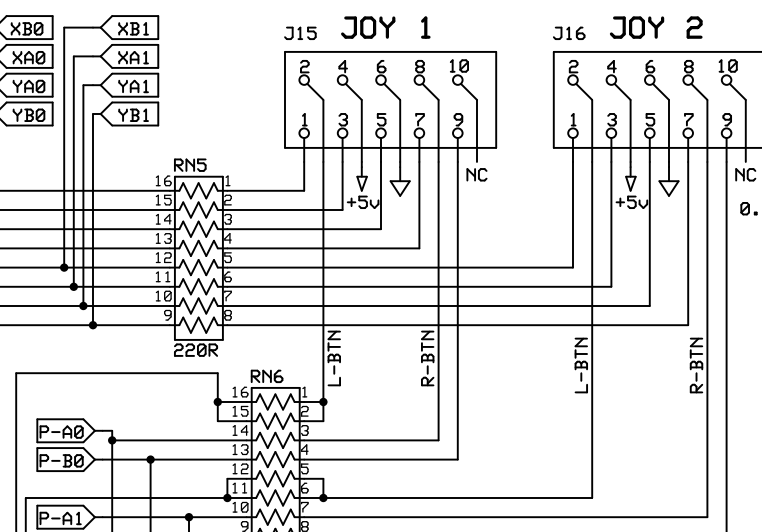
### PS/2 KEYBD



### PS/2 MOUSE



### MOUSE X/Y CONNECTIONS



## Mytek Controls

### 1088 XEL Mini-ITX MOTHERBOARD

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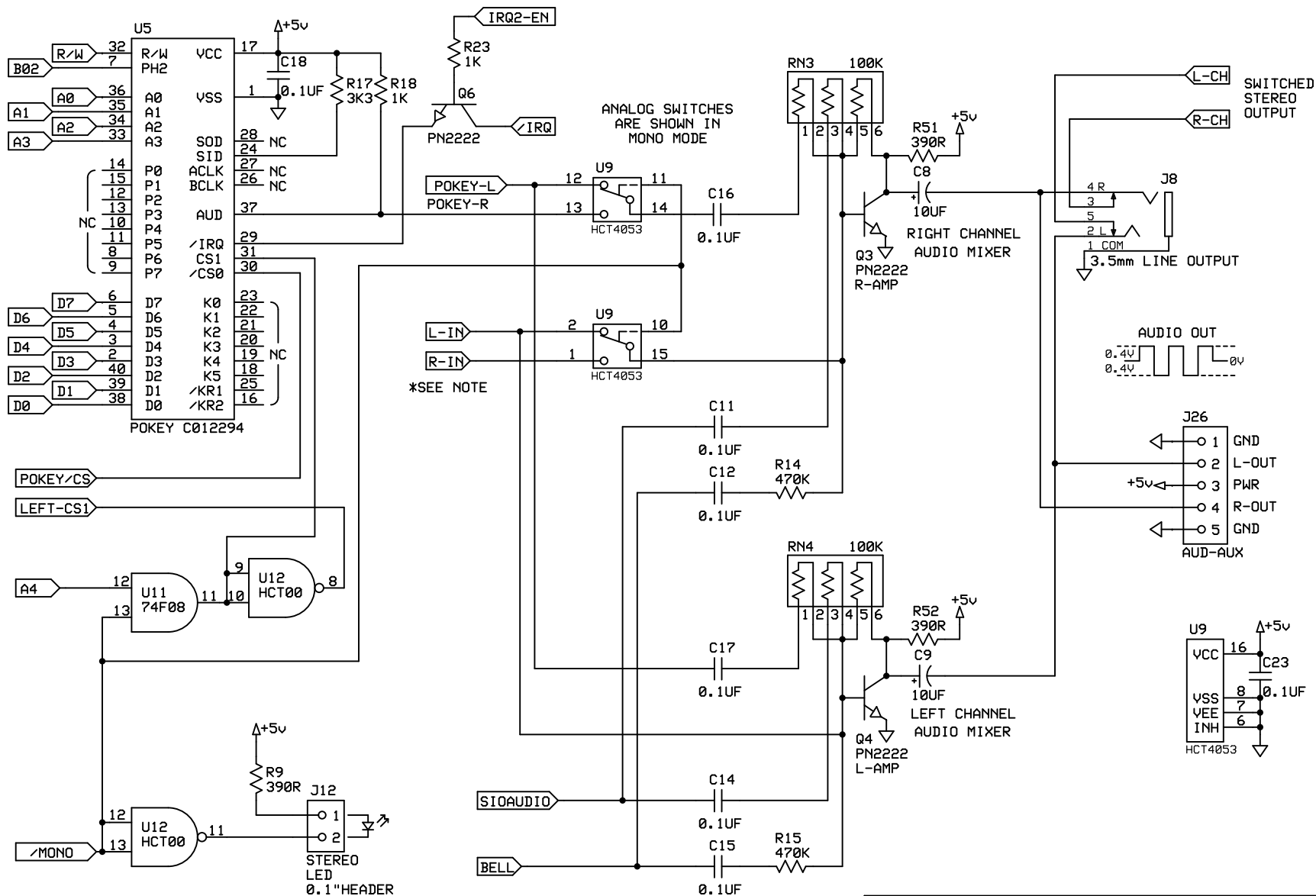
Rev 1.1

5/12/2018

I/O

\*NOTE: TK-II PROVIDES ALL RESET SERVICES

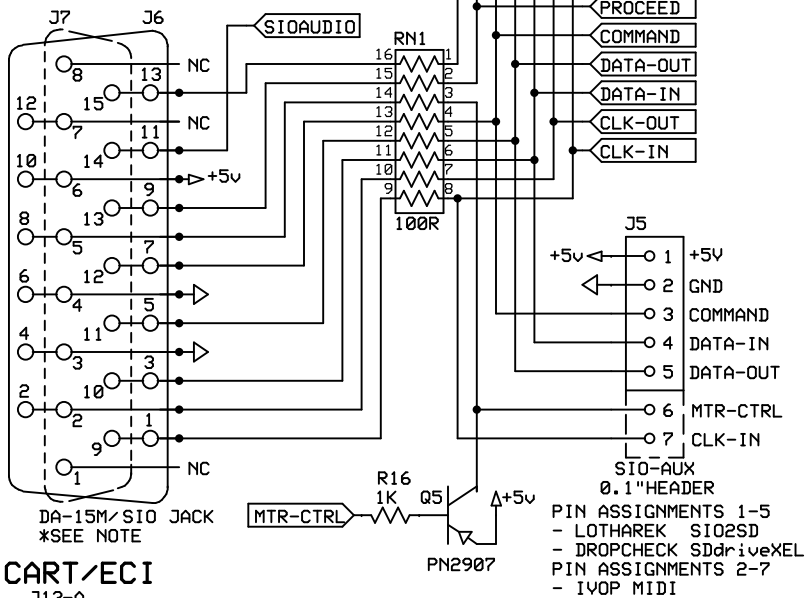
# RIGHT CHANNEL POKEY



\*NOTE: R-IN and L-IN GO DIRECTLY INTO THE SUMMING AMPLIFIERS, SO REQUIRE AN INLINE RESISTOR AND CAPACITOR ON THE MPBI DEVICE IF THEY HAVE AUDIO OUTPUTS.

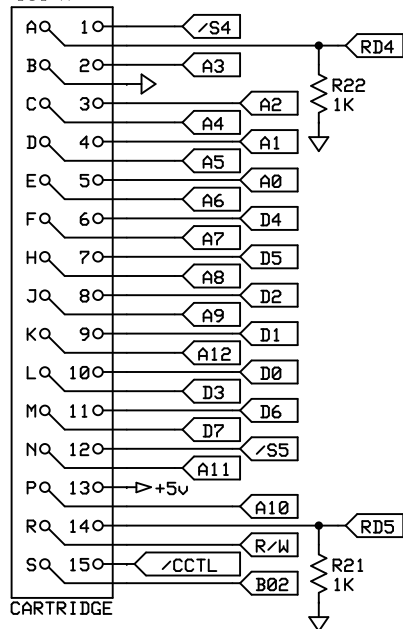
<b>Mytek Controls</b>		
<b>1088 XEL Mini-ITX MOTHERBOARD</b>		
Michael St.Pierre	Rev 1.1 5/12/2018	AUDIO

### SIO PORT



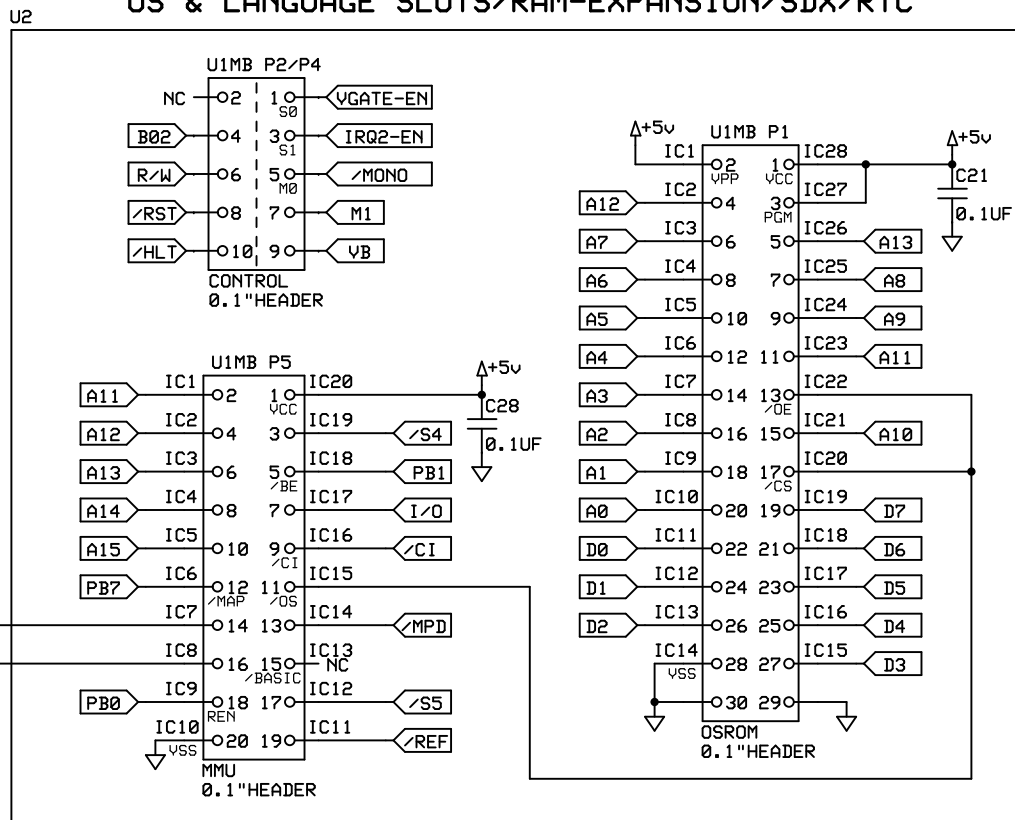
### CART/ECI

J13-A



\*NOTE: THE PCB WILL SUPPORT BOTH THE ORIGINAL SIO JACK AND A DA-15M ALTERNATIVE, BUT NOT BOTH AT THE SAME TIME.  
DA-15M SIO PORT IS COMPATIBLE WITH SDRIVE PIN ASSIGNMENTS

### OS & LANGUAGE SLOTS/RAM-EXPANSION/SDX/RTC



### U1MB/XEL CONTROL BIT DEFAULTS

	LOGIC=0	LOGIC=1
S0	VGATE OFF	VGATE ON
S1	IRQ2 OFF	IRQ2 ON
M0	MONO	STEREO
M1	RAPIDUS ON	RAPIDUS OFF
VB	PART OF VBXE ADDRESSING	

COMMITTED

ULTIMATE 1MB MODULE

NOTE: THE U1MB BOARD IS A MUST HAVE ITEM.  
(THIS MODULE PLUGS INTO THE XEL MOTHERBOARD)

## Mytek Controls

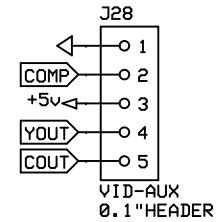
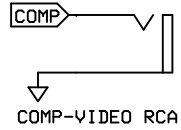
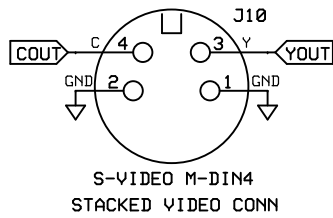
### 1088 XEL Mini-ITX MOTHERBOARD

Michael St.Pierre

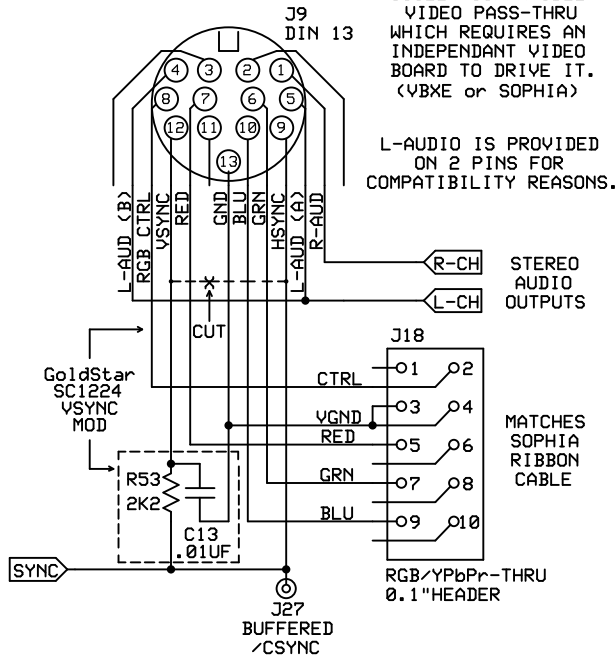
Rev 1.1  
5/12/2018

MISC CONN1

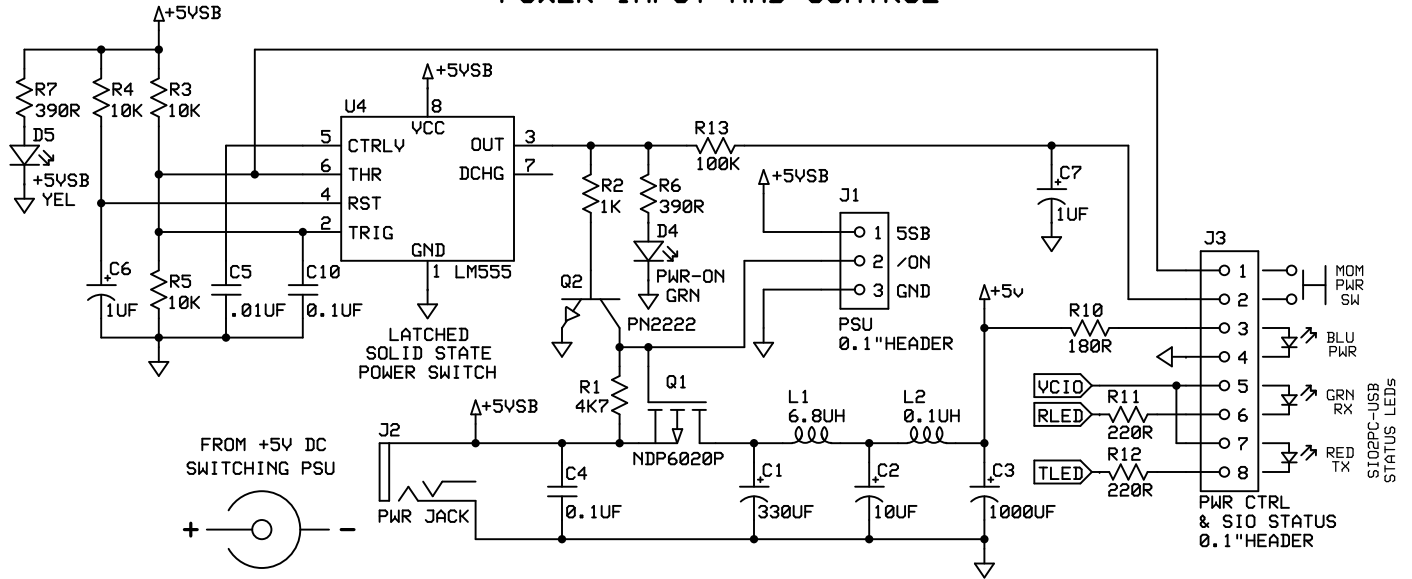
### STD VIDEO



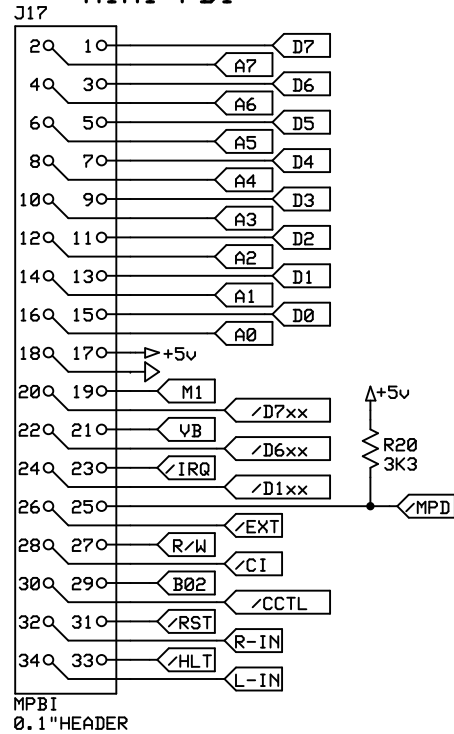
### RGB/YPbPr



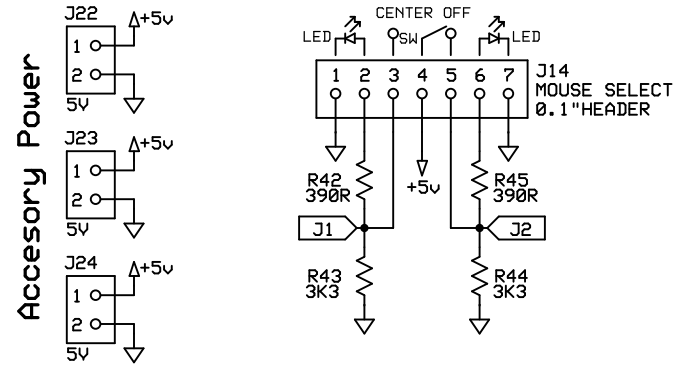
### POWER INPUT AND CONTROL



### Mini-PBI



### Mouse Select Switch



## Mytek Controls

### 1088 XEL Mini-ITX MOTHERBOARD

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Rev 1.1  
5/12/2018

MISC CONN2