

Gen1 lacked this. With this amp, we can drive 2 monitors simultaneously (CMI VDU and composite monitor)

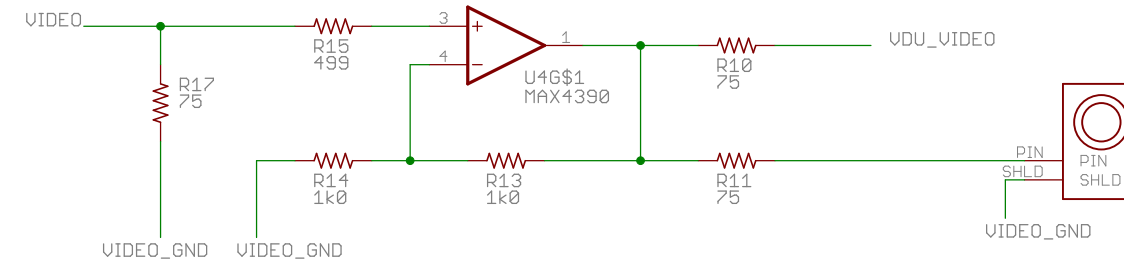
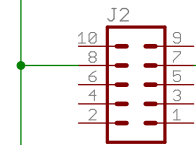


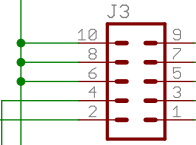
Diagram of a 10-pin D-sub connector J1. The pins are numbered 1 to 10. A green line connects pin 1 to the 'GND' label.

TO  
VDU 



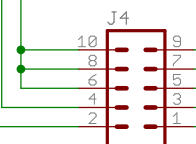
VIDEO\_GND

- TO Q045 (unused on IIX)



LP\_TOUCH\_FROM\_PEN

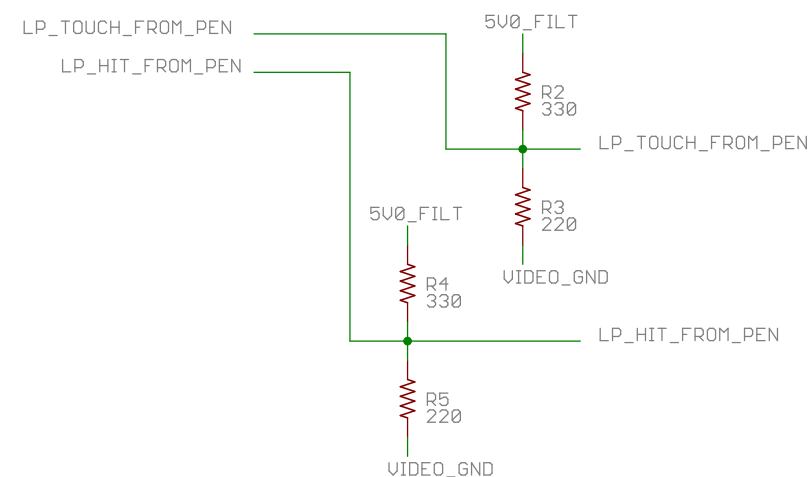
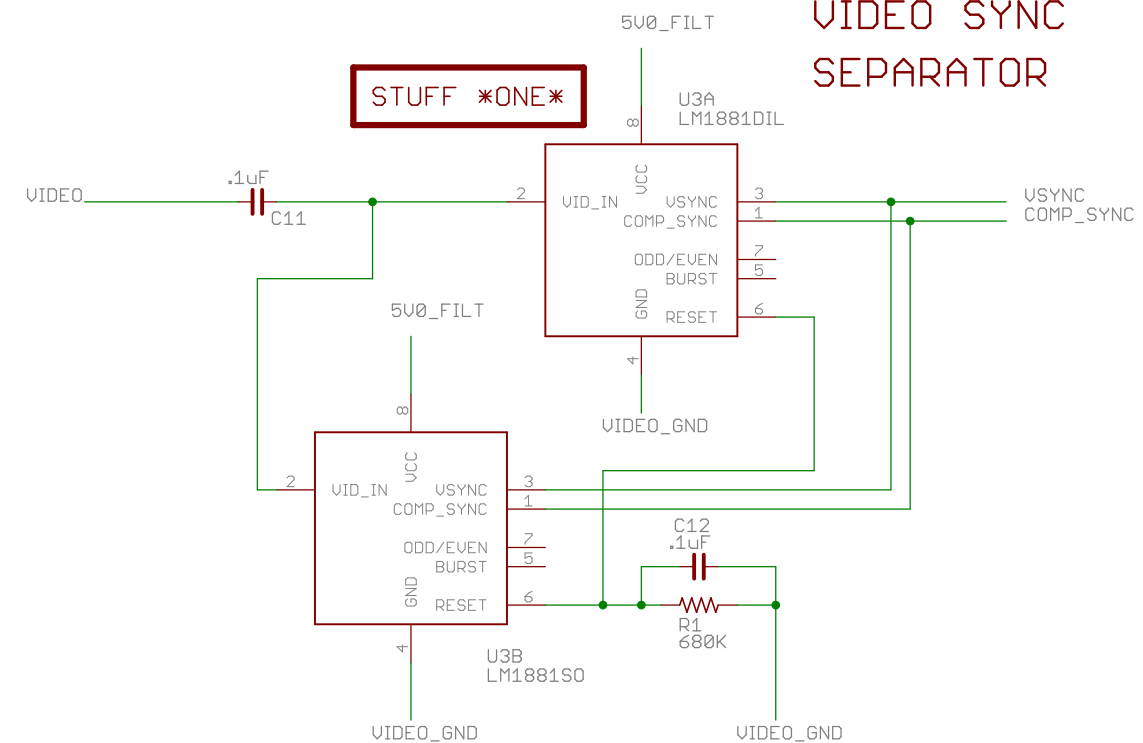
FROM  
LIGHTPEN



LP\_TOUCH\_TO\_CMI

VIDEO\_GND  GND  
FB1

STUFF \*ONE\*



PUP/DN termination, same as  
on Q219

TITLE: usb2cmi

Document Number:

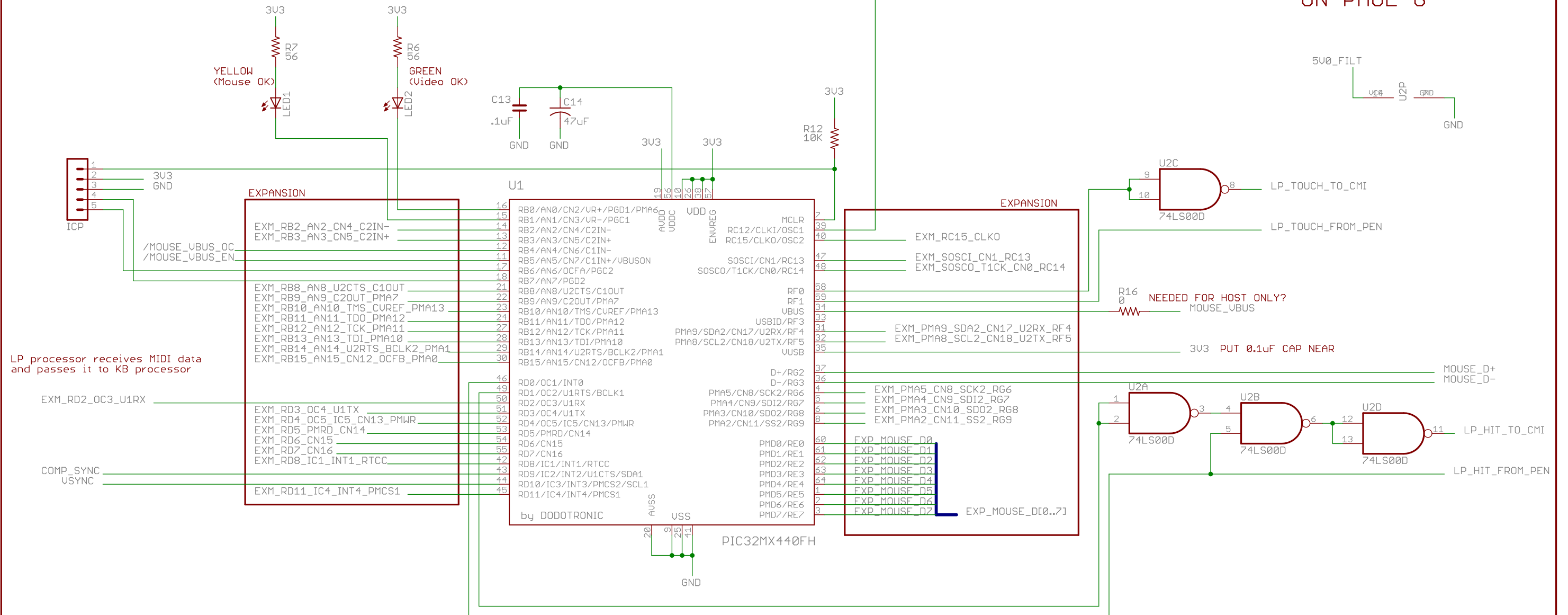
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# LIGHTPEN

EXPANSION CONNECTORS  
ON PAGE 6



## PROCESSOR

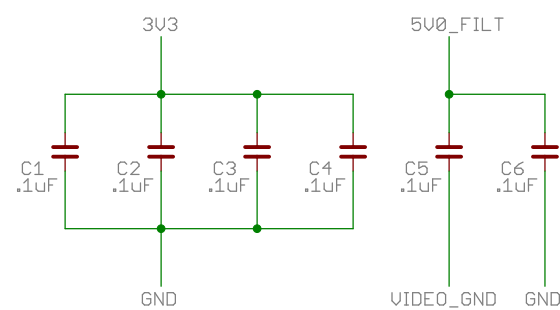
TITLE: usb2cm

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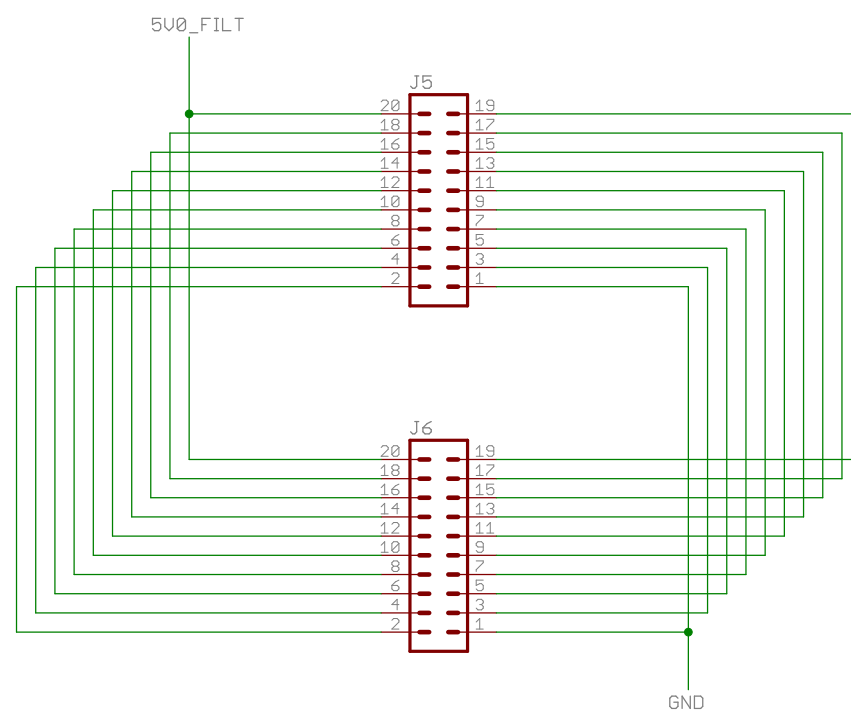
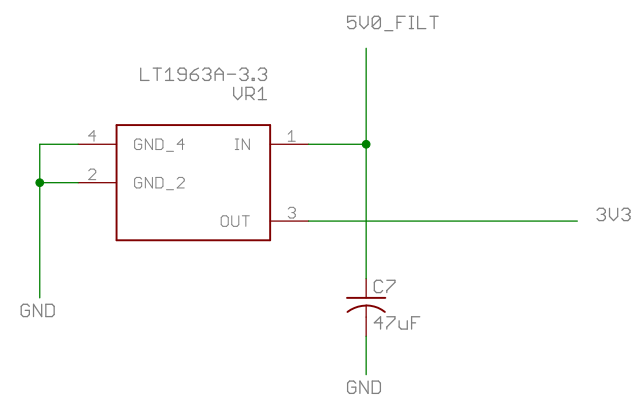
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C5 is bypass for the LM1881  
which is connected to VIDEO\_GND



## POWER SUPPLIES & DECOUPLING

TITLE: usb2cmi

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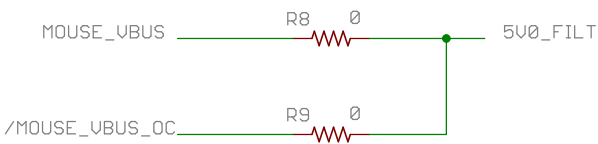
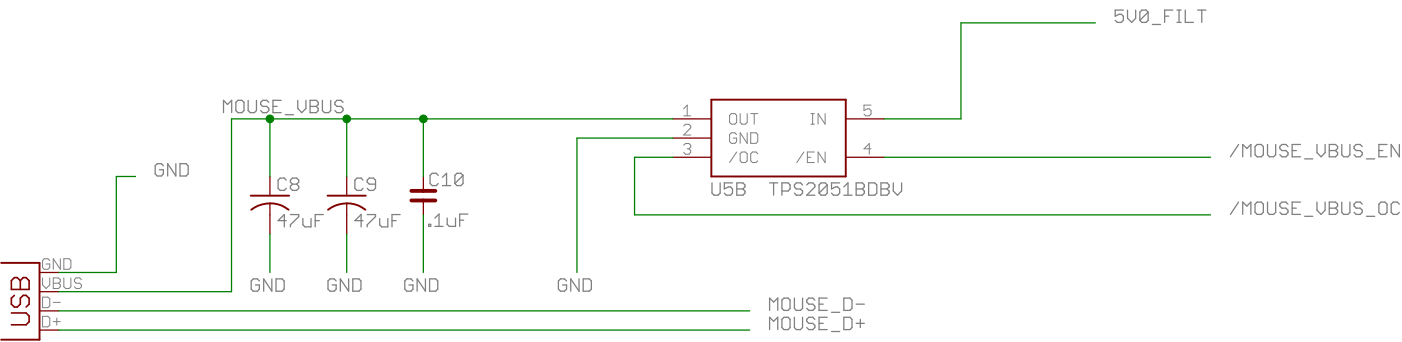
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KEYPAD & LED DISPLAYS		
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CHECK 100UF FOOTPRINT

USB CONNECTOR

MOUSE →



STUFF \*ONE\*

The original run of units used a proper overcurrent detection circuit.

A couple of 0-ohm resistors can be loaded if you want to build without the overcurrent detector.

USB HOST CONNECTORS	
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Mouse/Lightpen Processor

**Note:**  
EXP connectors are pinned out for ease of PCB routing



EXPANSION CONNECTOR	
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