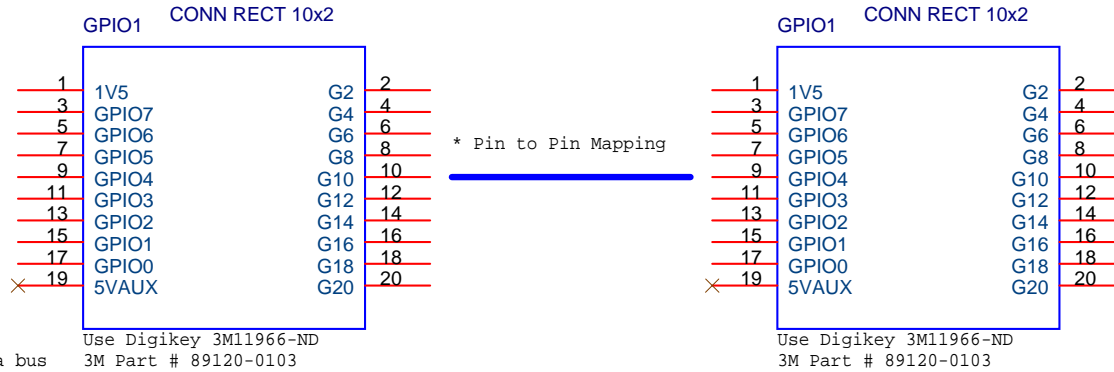


# GPIO1 and GPIO2 Cables

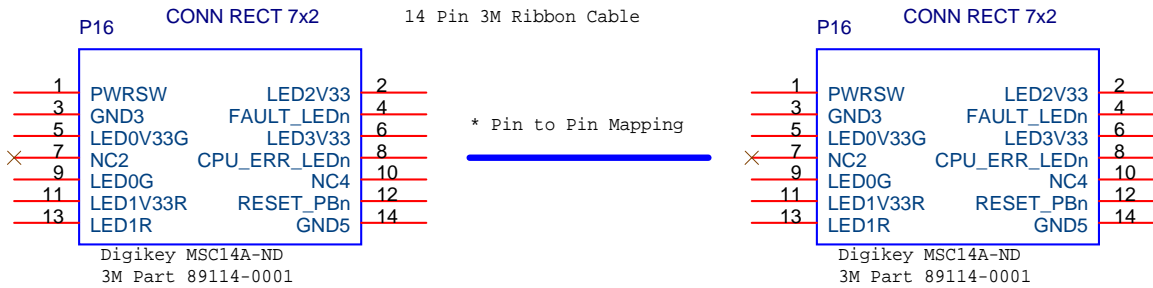
The cable is the same for both of them.

20 Pin 3M Ribbon Cable

Mates with:  
N2520-6V0C-RB-WE  
Digikey  
MSH20KCT-ND



# PANEL I/O CABLE



Mates with: TSM-107-01-TM-DV-P Avnet has it  
See Roach2 Schematic P16 Sheet 29  
To front panel switches and LEDs

These Cables permanently interconnect the Roach 2 and PIC.

\* Pin to Pin Ribbon Cable means pin 1 to pin1, pin 2 to pin 2, and so on.

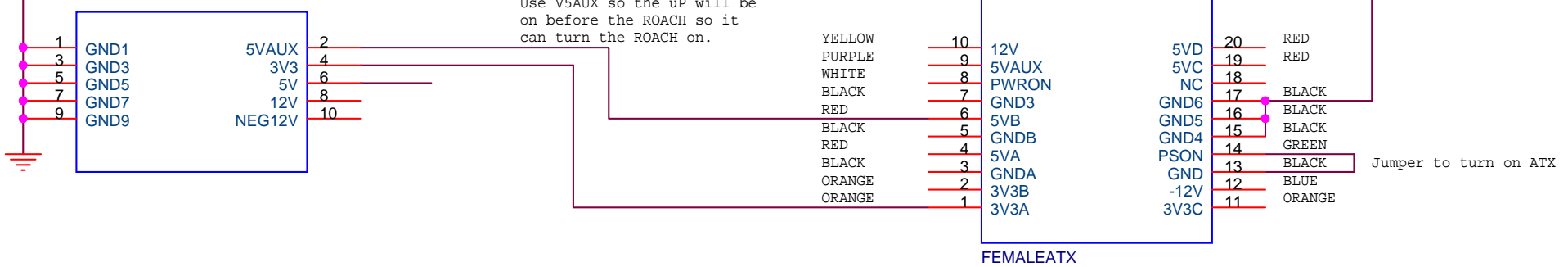
Title		
PIC Assembly Miscellaneous Cables		
Size A	Document Number ALMA-05.11.31.11-0004-A-DWG	Rev <Rev Co
Date:	Thursday, April 18, 2013	Sheet 1 of 2

# PWR1 TO ATX CABLE

P1 on ROACH2 Schematic Sheet 2  
 Mates with 3M 85105400PL Digikey MSPV10-ND (female)

Digikey MPK10K-ND for a ribbon cable with Male ends

**PWR1 Male Conn Rect 5x2**



Use V5AUX so the uP will be on before the ROACH so it can turn the ROACH on.

Jumper to turn on ATX

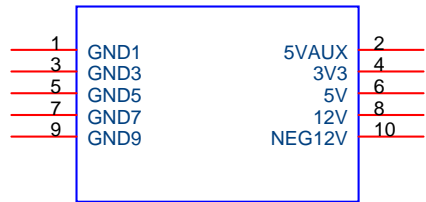
This cable will allow powering a stand-alone PIC card on the bench from an ATX power supply.

Splice onto commercial ATX Cable

# PWR1 TO PWR1 CABLE

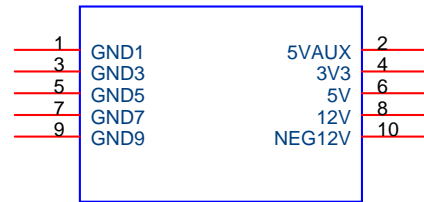
Digikey MPK10K-ND for a ribbon cable with Male ends

**PWR1 Male Conn Rect 5x2**



Digikey MPK10K-ND for a ribbon cable with Male ends

**PWR1 Male Conn Rect 5x2**



\* Pin to Pin Ribbon Cable

This cable will provide power to the PIC card from the Roach card on the bench, with the Roach connected to an ATX PS. This is for bench use only, since in the system, the PIC card will get power from the 9UBPS Card.

\* Pin to Pin Ribbon Cable means pin 1 to pin1, pin 2 to pin 2, and so on. These cables are useful for test, but will not be part of production PIC Assemblies.

Title		
TEST CABLES		
Size	Document Number	Rev
A	ALMA-05.11.31.11-0004-A-DWG	<Rev Co
Date:	Thursday, April 18, 2013	Sheet 2 of 2