

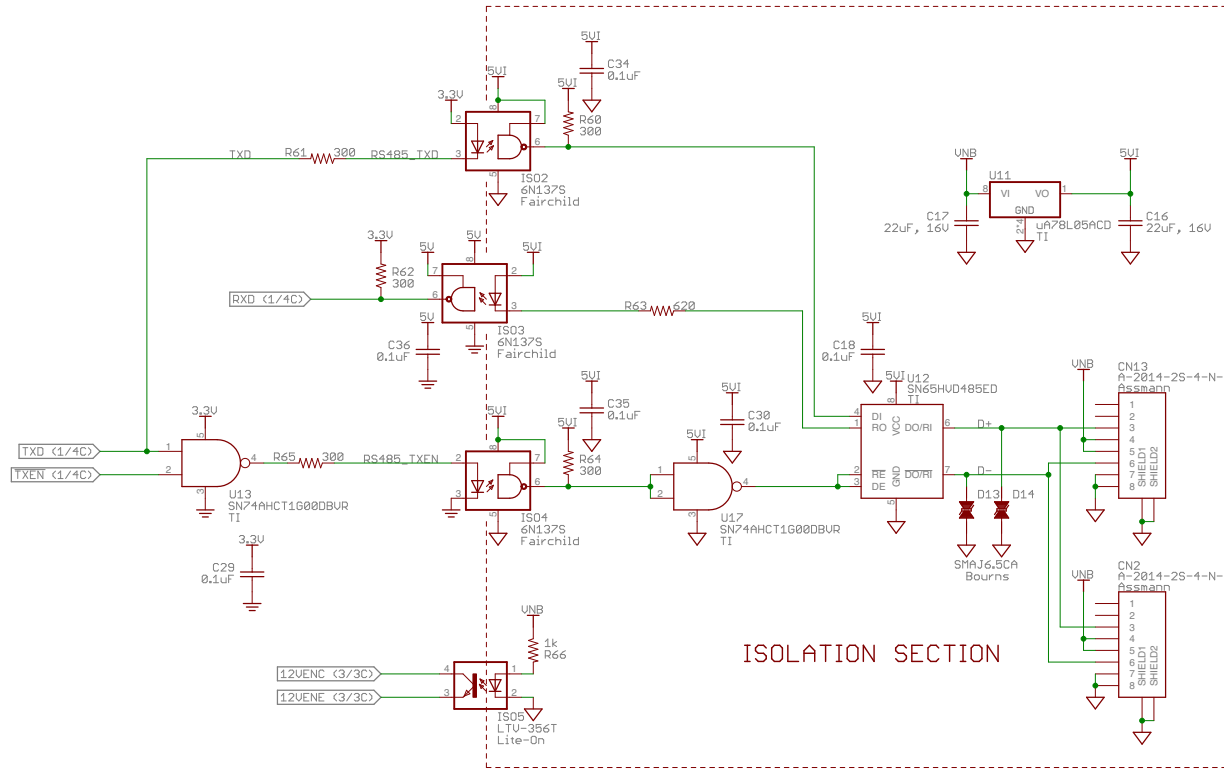
48V	5V	MCU status	DESCRIPTION
D19	D5	D1	
RED	RED	YELLOW	
LED STATUS TABLE			
OFF	OFF	OFF	48V not present: check that system is connected and powered
ON	OFF	OFF	48V present, no 5V: node bus is powered off by CPU, node bus cable is unplugged, or 5V supply is overloaded (shorted) or damaged
ON	ON	OFF	48V present, 5V present, processor not running: check 3.3V supply
ON	ON	10Hz 50%	power okay, processor in boot node waiting for runtime update: check node cable, ensure other nodes are communicating, check communication interface
ON	ON	1Hz 90%	power okay, processor in runtime mode but not receiving from CPU: check node cable, ensure other nodes are communicating, check communication interface
ON	ON	flickering	power okay, processor communicating and operating correctly

STERN Pinball 2001 Lunt Ave
Elk Grove, Ill 60007
708-345-7700

TITLE: 520-6976-72A

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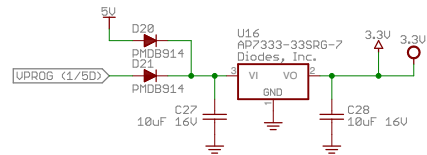
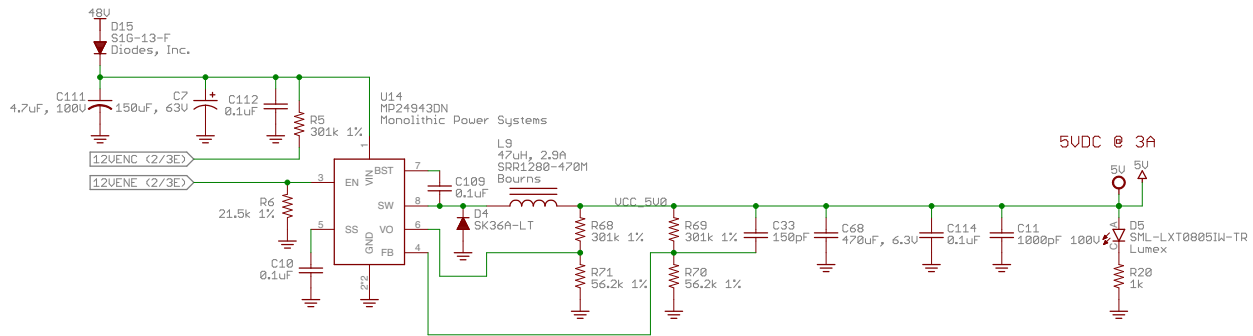
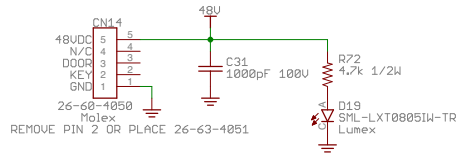
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ISOLATION SECTION

$U_{I(max)} = 1.8U$, $I_{f(con)(max)} = 5.0mA$
 $(3.3V - 1.8U) / 5.0mA = 300$
 $(5.0V - 1.8U) / 5.0mA = 640$

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Communication		
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