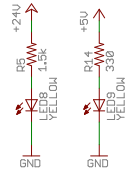


BOM SPI Driver Board

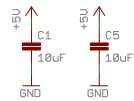
DigiKey Web ID: 49469585
DigiKey Access ID: 57341

Reference	Value	Info	Footprint	Supplier Part Number	Manufacturer Part Number	Qty Per Board
C7	220 uF	Tantalum, 50V	CAP_POL	493-6228-1-ND	UUR1H221MNL1GS	1
C1, C3, C5	10 uF	Ceramic, 10V	0805 (2012 Metric)	311-1355-1-ND	CC0805ZKY5V6BB106	1
C2	47 uF	Ceramic, 10V	0805 (2012 Metric)	445-8239-1-ND	C2012X5R1A476M125AC	1
C4	1 uF	Ceramic, 25V	0805 (2012 Metric)	311-1358-1-ND	CC0805ZRY5V8BB105	1
J4, J5	N/A	Power Connector	705510037	WM7993-ND	'0705510037	2
J2, J3	N/A	RJ45 Connector	1-406525-1	A102034-ND	1-406525-1	2
U2	N/A	Line Driver	SN74ABT126DR	296-1020-1-ND	SN74ABT126DR	1
U1	N/A	SPI Driver	TLE7230G	TLE7230GCT-ND	TLE7230G	1
J1	N/A	Agilent Connector	8516-4500PL	MSPV16-ND	8516-4500PL	1
R1, R2, R3, R4	0 Ohm	Jumper	0805 (2012 Metric)	P0.0ACT-ND	ERJ-6GEY0R00V	4
LED1, LED2, LED3, LED4, LED5, LED6	2.1 V, 20 mA	Green LED	1206 (3216 Metric)	1080-1419-1-ND	QTLP650D4TR	6
LED7	2.1 V, 20 mA	Red LED	1206 (3216 Metric)	516-1440-1-ND	HSMS-C150	1
LED8, LED9	2.1 V, 20 mA	Yellow LED	1206 (3216 Metric)	516-1442-1-ND	HSMY-C150	2
R5, R6, R7, R8, R9, R10, R11, R12, R13	1.5k Ohm	0.5W Resistor	1206 (3216 Metric)	RNCP1206FTD1K50CT-ND	RNCP1206FTD1K50	9
R14	330 Ohm	1/4W Resistor	0805 (2012 Metric)	RHM1215CT-ND	LTR10EZPF3300	1

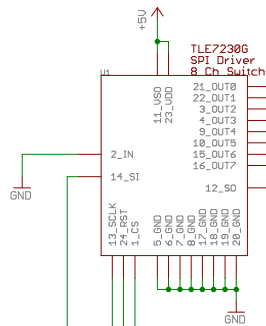
Power Indication LEDs



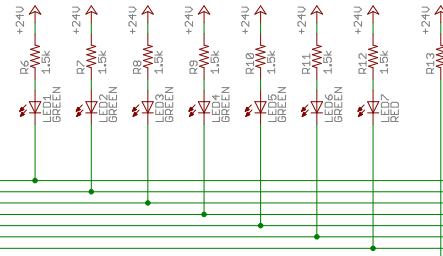
Bypass caps for TLE7230G VSD/VDD



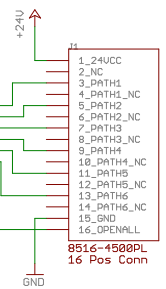
SPI Controlled 8 Channel Switch



LED Driver Circuits



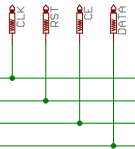
Output Switch Connector



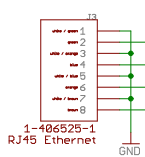
Mounting Holes



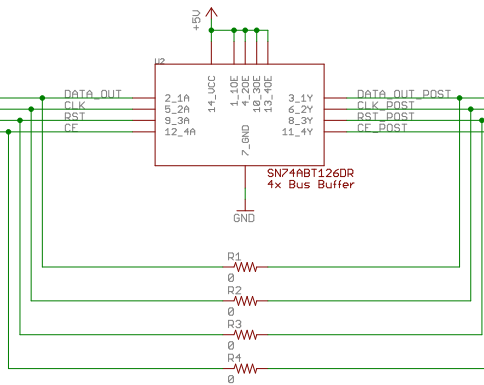
Test Points



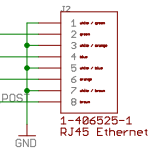
Input RJ45



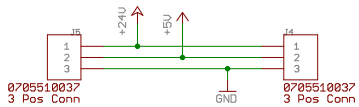
Bypassable Line Driver



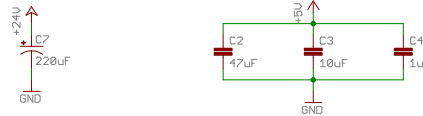
Output RJ45



Power Connectors



Power Filter Capacitors



SPI Switch Board

rev1

11/26/2013

Board Outline

