

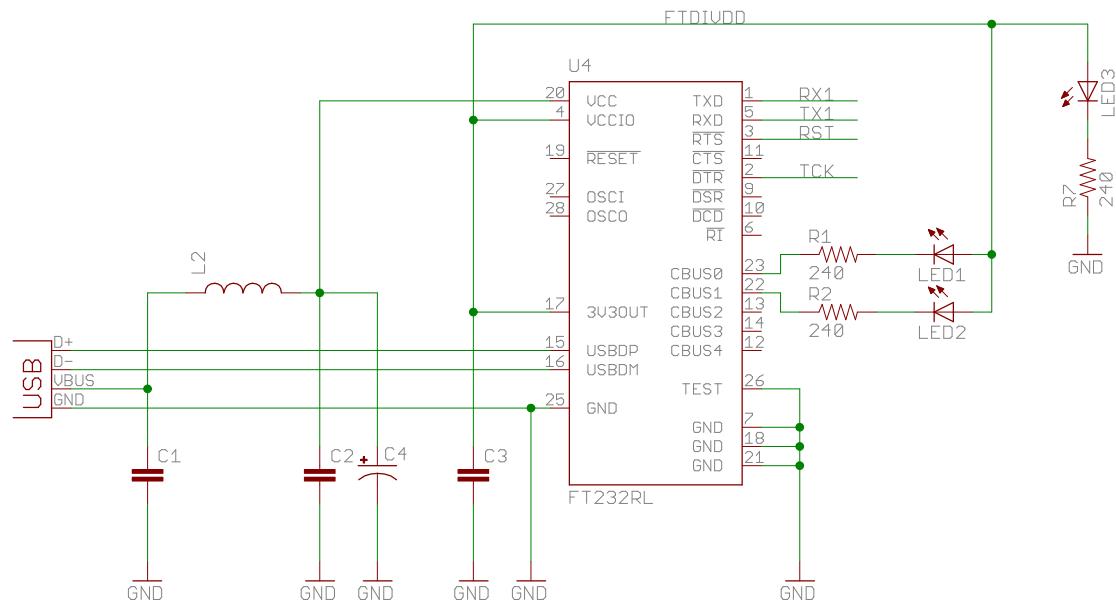
M Coilcube Test

Author: Sam Debruin

Date: 1/27/14 3:21 PM

REV:
B

Sheet: 1/5



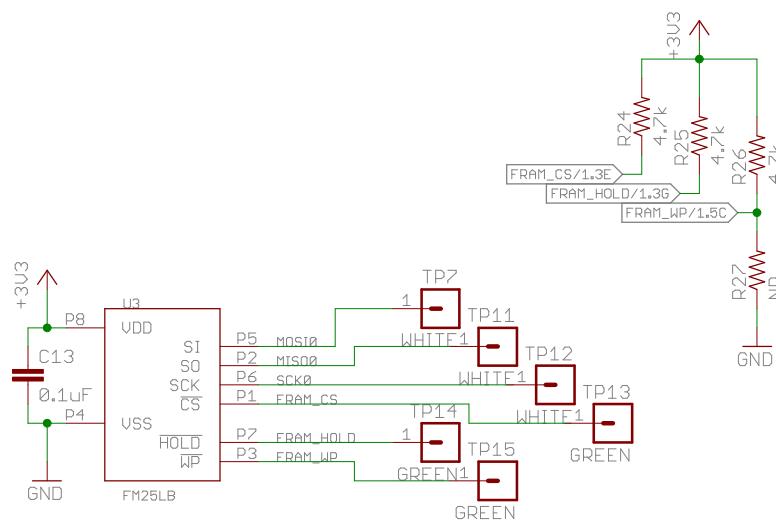
M Coilcube Test

REV:
B

Author: Sam Debruin

Date: 1/27/14 3:21 PM

Sheet: 2/5



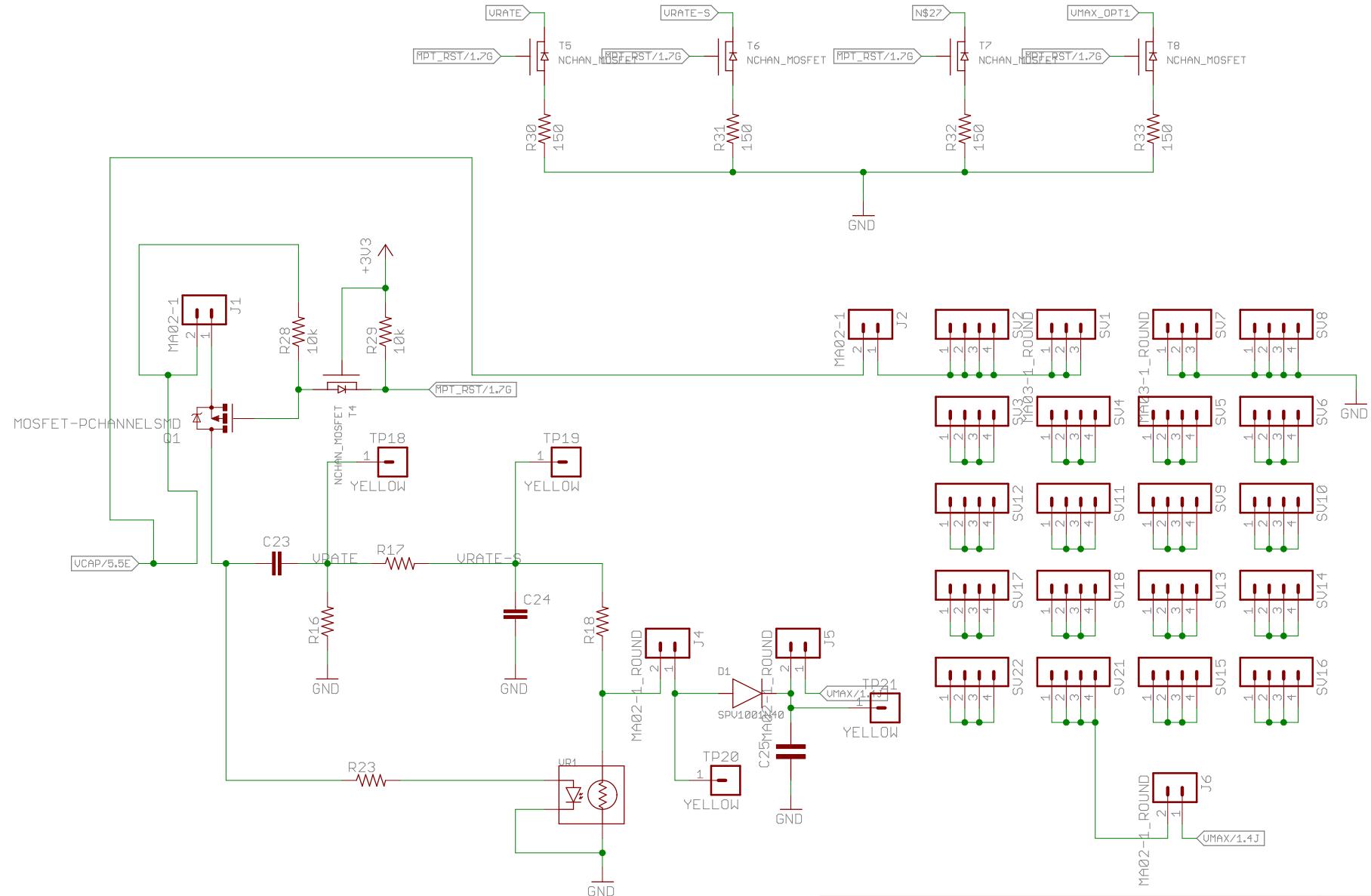
M Coilcube Test

REV:
B

Author: Sam Debruin

Date: 1/27/14 3:21 PM

Sheet: 3/5



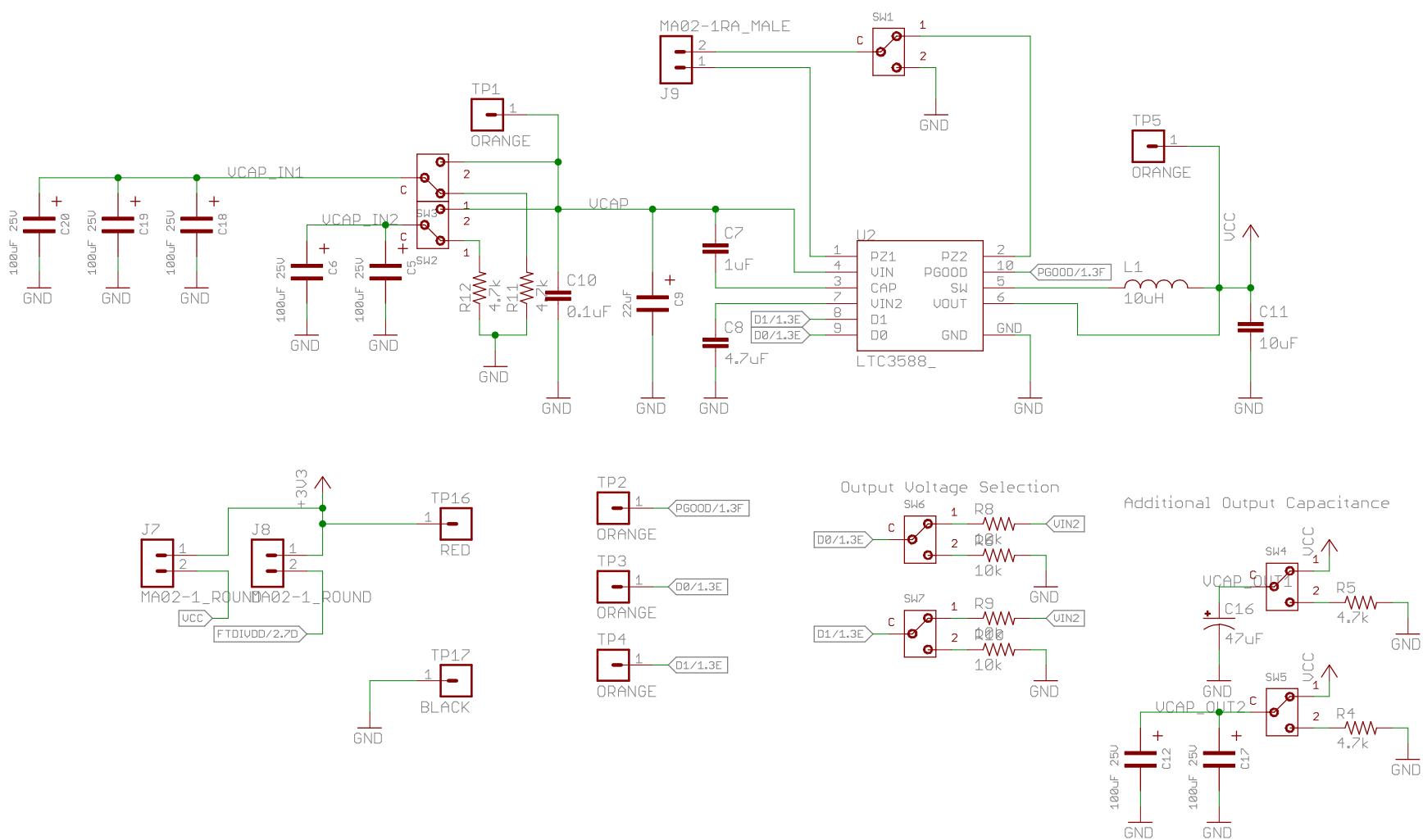
M Coilcube Test

Author: Sam Debruin

Date: 1/27/14 3:21 PM

REV:
B

Sheet: 4/5



M Coilcube Test

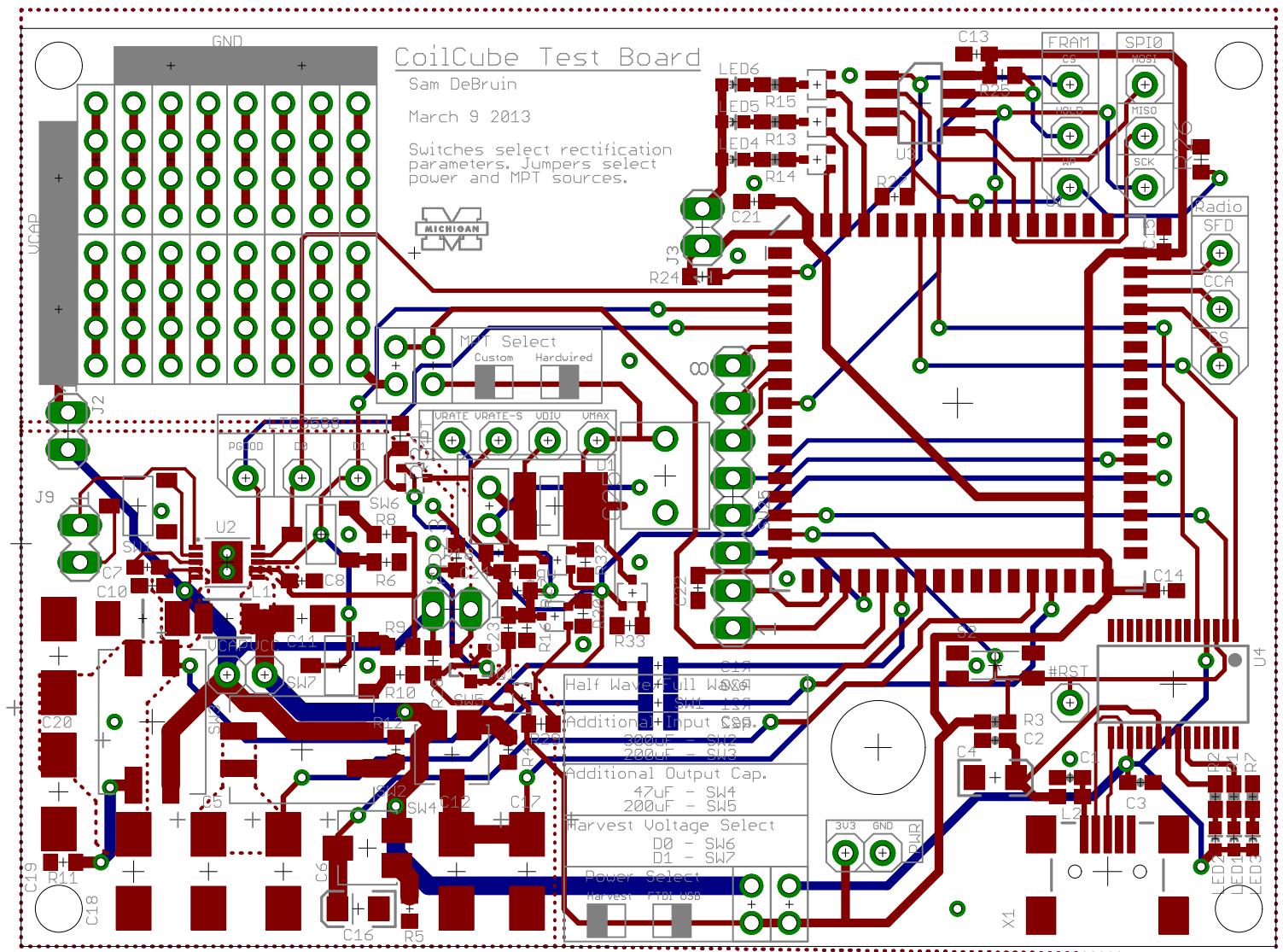
Author: Sam Debruin

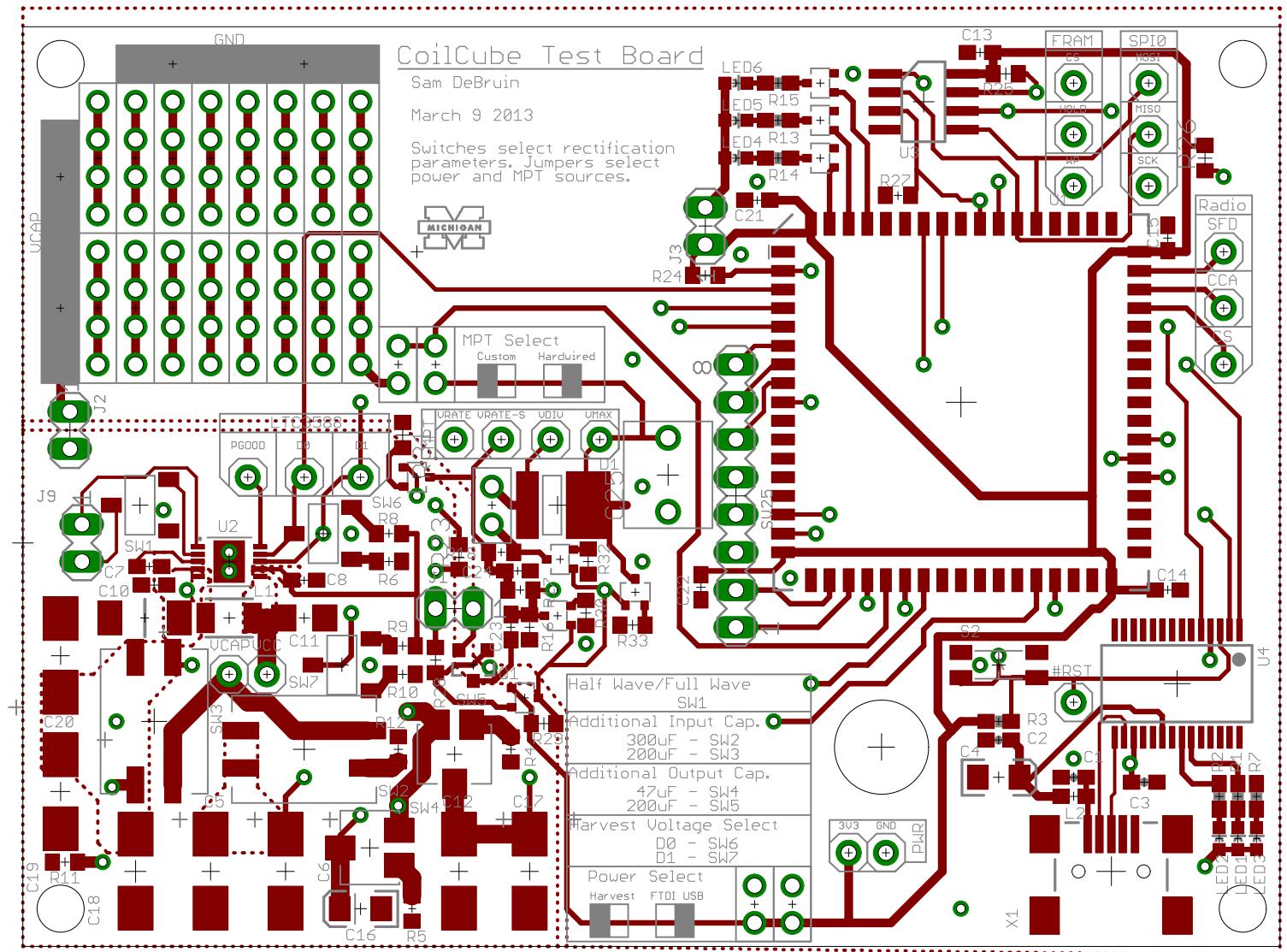
Date: 1/27/14 3:21 PM

REV:
B

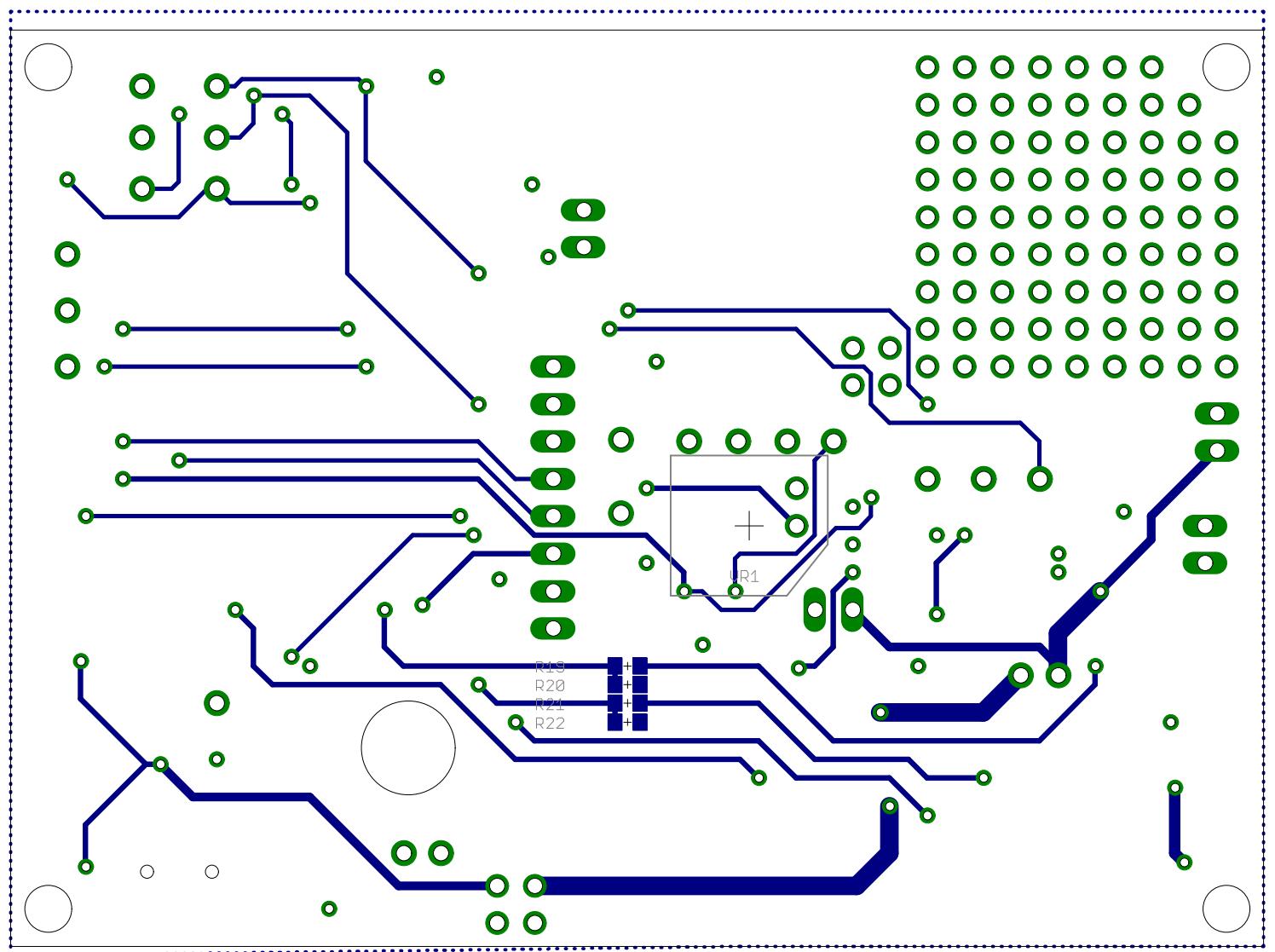
Sheet: 5/5

Top and Bottom Layers

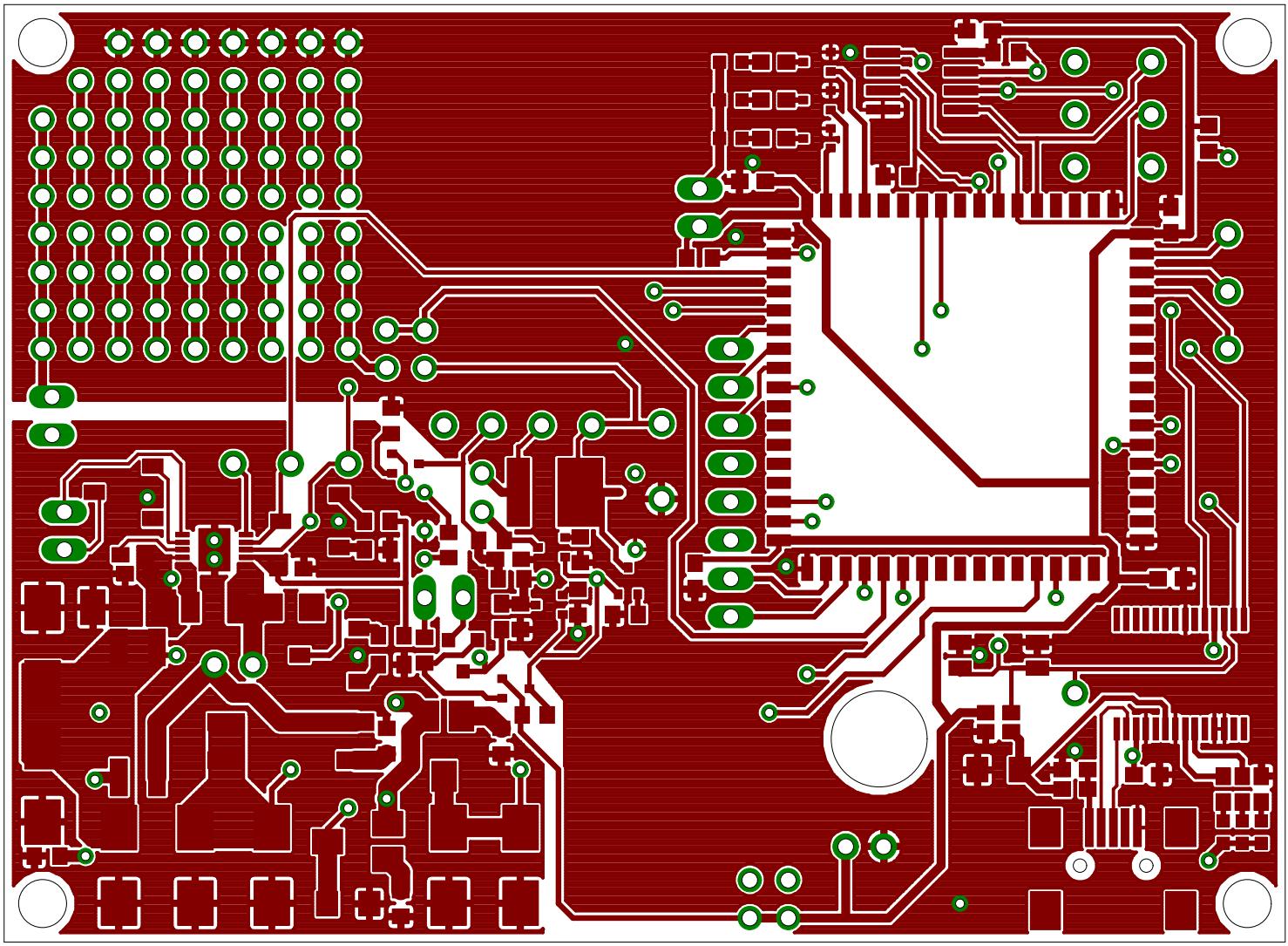




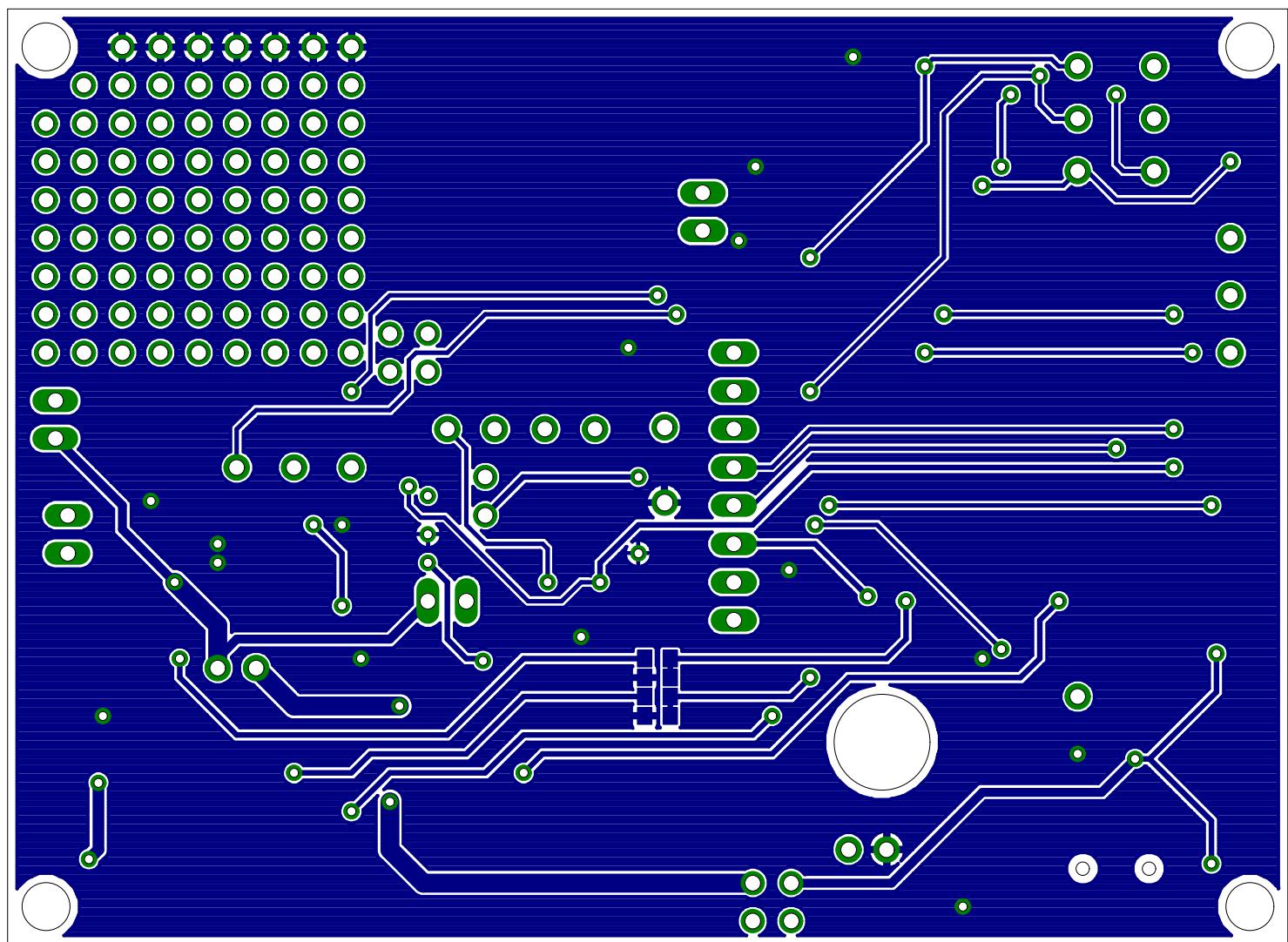
Bottom Layer



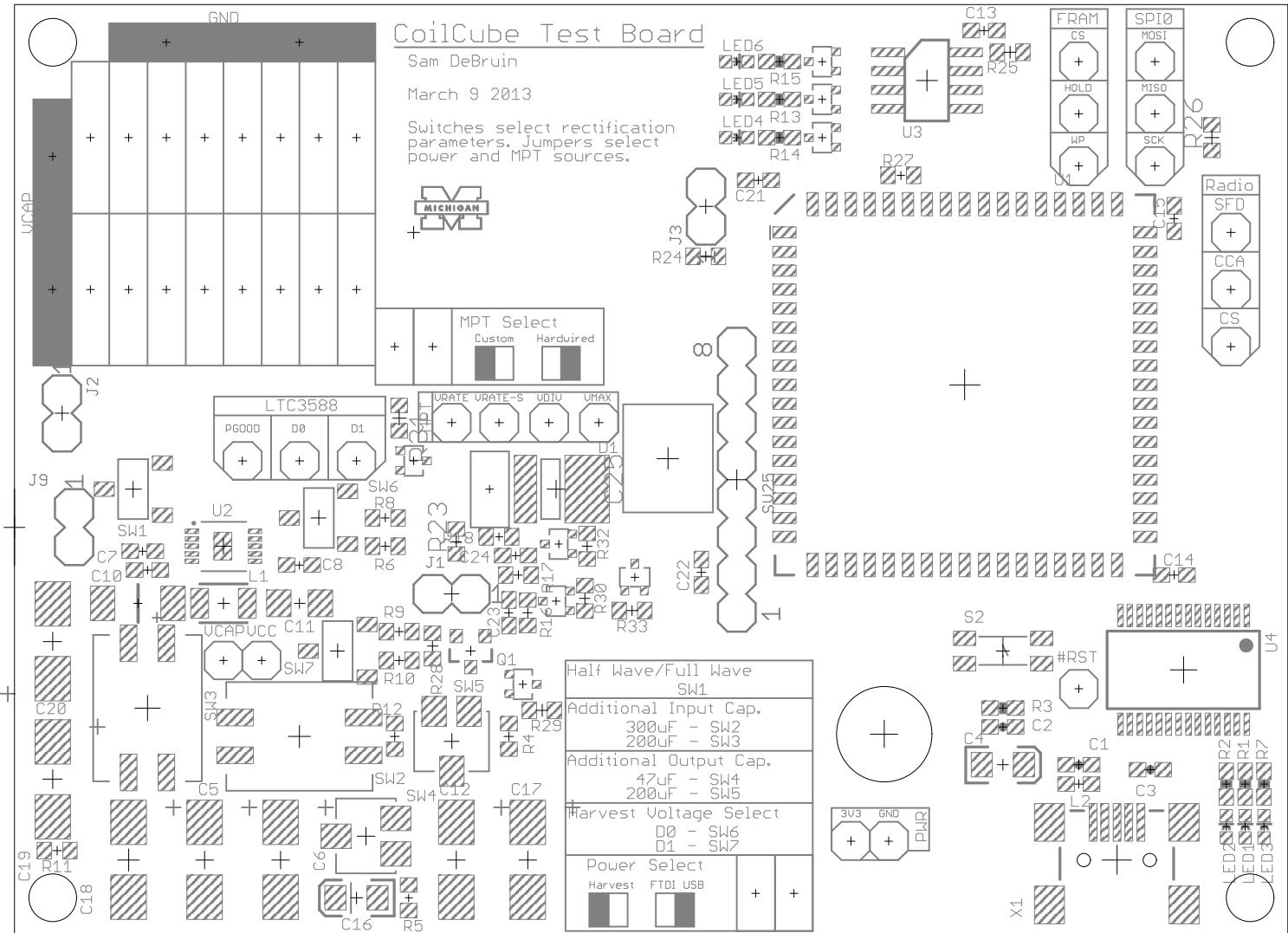
Top Copper Layer



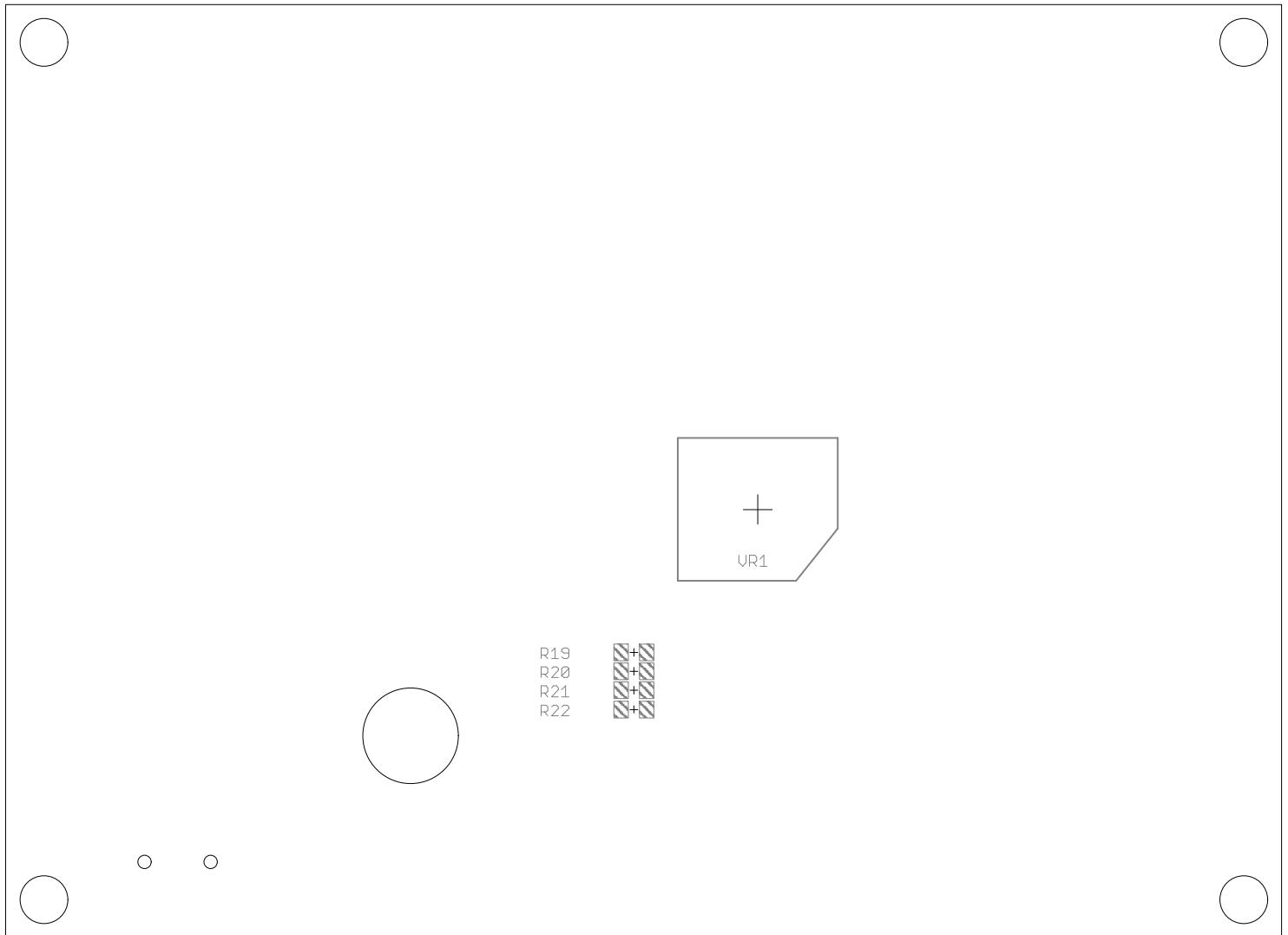
Bottom Copper Layer



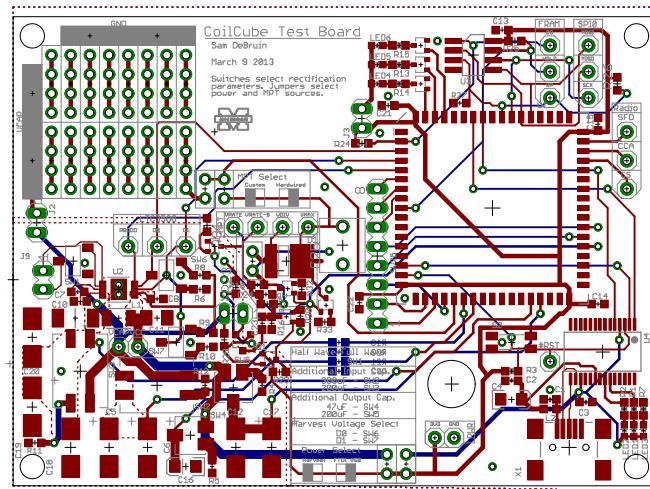
Top Paste Layer with Silkscreen



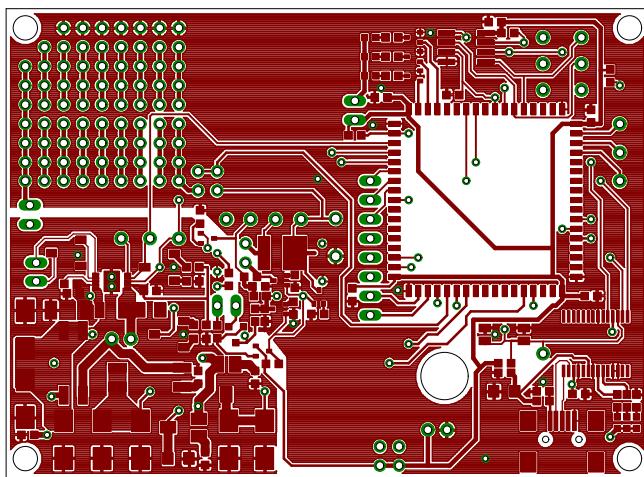
Bottom Paste Layer with Silkscreen



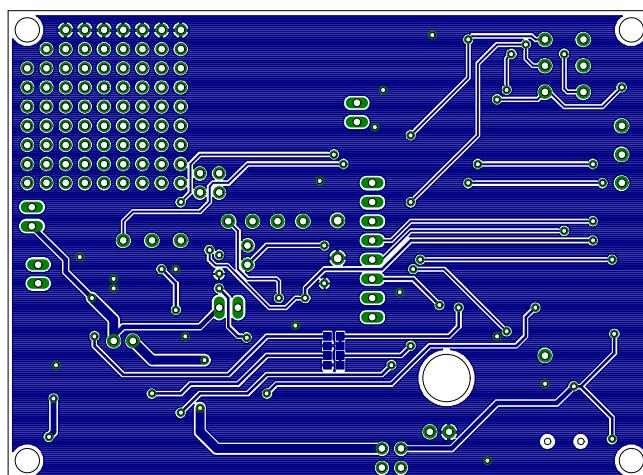
Top and Bottom Layers 1:1 Scale



Top Layer 1:1 Scale



Bottom Copper Layer 1:1 Scale



Part	Value	Device	Package	Description	DIGIKEY	DIGIKEY1	DIGIKEY2	MF	MPN	NEWARK	OC_FARNELL	OC_NEWARK
C1		CAP0603-CAP	0603-CAP	Capacitor	445-1316-1-ND							
C2		CAP0603-CAP	0603-CAP	Capacitor	445-1316-1-ND							
C3		CAP0603-CAP	0603-CAP	Capacitor	445-1316-1-ND							
C4		CAP_P01206	EIA3216	Capacitor Polarized	478-1655-1-ND							
C5	100uF 25V	Z917_CAP_POL	Z917_CAP_POL		399-5175-1-ND							
C6	100uF 25V	Z917_CAP_POL	Z917_CAP_POL		399-5175-1-ND							
C7	1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1321-1-ND							
C8	4.7uF	C-EU0603	0603	CAPACITOR, European symbol	445-5178-1-ND							
C9	22uF	Z312_CAP_POL	Z312_CAP_POL		478-3102-1-ND							
C10	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C11	10uF	C-EU1206	C1206	CAPACITOR, European symbol	399-8152-1-ND							
C12	100uF 25V	Z917_CAP_POL	Z917_CAP_POL		399-5175-1-ND							
C13	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C14	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C15	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C16	47uF	CAP_P01206	EIA3216	Capacitor Polarized	399-3700-1-ND							
C17	100uF 25V	Z917_CAP_POL	Z917_CAP_POL		399-5175-1-ND							
C18	100uF 25V	Z917_CAP_POL	Z917_CAP_POL		399-5175-1-ND							
C19	100uF 25V	Z917_CAP_POL	Z917_CAP_POL		399-5175-1-ND							
C20	100uF 25V	Z917_CAP_POL	Z917_CAP_POL		399-5175-1-ND							
C21	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C22	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C23	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C24	0.1uF	C-EU0603	0603	CAPACITOR, European symbol	445-1316-1-ND							
C25	POLYPRO_CAP	POLYPRO_CAP			BC2054-ND	399-7638-ND	399-7689-ND					
D1	SPV1001N40	SPV1001N40			497-1207-1-ND							
J1	MA02-1	MA02-1	MA02-1		609-3500-ND							
J2	MA02-1	MA02-1	MA02-1		609-3500-ND							
J3	MA02-1	MA02-1	MA02-1		609-3500-ND							
J4	MA02-1 ROUND	MA02-1 ROUND	MA02-1 ROUND		609-3500-ND							
J5	MA02-1 ROUND	MA02-1 ROUND	MA02-1 ROUND		A26228-ND							
J6	MA02-1 ROUND	MA02-1 ROUND	MA02-1 ROUND		A26567-ND							
J7	MA02-1 ROUND	MA02-1 ROUND	MA02-1 ROUND		A26567-ND							
J8	MA02-1 ROUND	MA02-1 ROUND	MA02-1 ROUND		A26228-ND							
J9	MA02-1RA_MALE	MA02-1RA_MALE	MA02-1RA_MALE		3M9467-ND							
L1	10uH	INDUCTOR1210	1210	Inductors	587-1625-1-ND							
L2		INDUCTOR0603	603	Inductors	240-2373-1-ND							
LED1		LED0603	LED-0603	LEDs	1080-1400-1-ND							
LED2		LED0603	LED-0603	LEDs	1080-1405-1-ND							
LED3		LED0603	LED-0603	LEDs	1080-1405-1-ND							
LED4		LED0603	LED-0603	LEDs	1080-1405-1-ND							
LED5		LED0603	LED-0603	LEDs	1080-1405-1-ND							
LED6		LED0603	LED-0603	LEDs	1080-1405-1-ND							
Q1	MOSFET_PCHANNELSM	MOSFET_PCHANNELSM	SOT23-3	Generic PMOSFET	ZXMPZ12DFTR-ND							
R1		240 RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND							
R2		240 RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND							
R3	10k	240 RESISTOR0603-RES	0603-RES	Resistor	P10KGCT-ND							
R4	4.7k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R5	4.7k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R6	10k	R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R7		240 RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND							
R8	10k	R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R9	10k	R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R10	10k	R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R11	4.7k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R12	4.7k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R13		240 RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND							
R14		240 RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND							
R15		240 RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND							
R16		R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R17		R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R18		R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R19	900k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R20	100k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R21	900k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R22	100k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R23		R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R24	4.7k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R25	4.7k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R26	4.7k	R-US_R0603	R0603	RESISTOR, American symbol	P4.7KGCT-ND							
R27	NP	R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R28	10k	R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R29	10k	R-US_R0603	R0603	RESISTOR, American symbol	P10KGCT-ND							
R30		150 R-US_R0603	R0603	RESISTOR, American symbol	RHM150DCT-ND							
R31		150 R-US_R0603	R0603	RESISTOR, American symbol	RHM150DCT-ND							
R32		150 R-US_R0603	R0603	RESISTOR, American symbol	RHM150DCT-ND							
R33		150 R-US_R0603	R0603	RESISTOR, American symbol	RHM150DCT-ND							
S2	SWITCH-OFF-MOM	SWITCH-OFF-MOM			P11084SCT-ND							
SV1	MA03-1_ROUND	MA03-1_ROUND	MA03-1_ROUND									
SV2		MA04-1_ROUND	MA04-1_ROUND									
SV3		MA04-1_ROUND	MA04-1_ROUND									
SV4		MA04-1_ROUND	MA04-1_ROUND									
SV5		MA04-1_ROUND	MA04-1_ROUND									
SV7	MA03-1_ROUND	MA03-1_ROUND	MA03-1_ROUND									
SV8		MA04-1_ROUND	MA04-1_ROUND									
SV9		MA04-1_ROUND	MA04-1_ROUND									
SV10		MA04-1_ROUND	MA04-1_ROUND									
SV11		MA04-1_ROUND	MA04-1_ROUND									
SV12		MA04-1_ROUND	MA04-1_ROUND									
SV13		MA04-1_ROUND	MA04-1_ROUND									
SV14		MA04-1_ROUND	MA04-1_ROUND									
SV15		MA04-1_ROUND	MA04-1_ROUND									
SV16		MA04-1_ROUND	MA04-1_ROUND									
SV17		MA04-1_ROUND	MA04-1_ROUND									
SV18		MA04-1_ROUND	MA04-1_ROUND									
SV21		MA04-1_ROUND	MA04-1_ROUND									
SV22		MA04-1_ROUND	MA04-1_ROUND									
SV25		MA08-1	MA08-1	PIN HEADER	A26554-ND							
SW1	SWITCH_SPDP	SWITCH_SPDP	SWITCH_SPDP		563-1021-1-ND							
SW2	SWITCH_SPDT_HV2	SWITCH_SPDT_HV2	SWITCH_SPST_HV		CZT041215T-ND							
SW3	SWITCH_SPDT_HV2	SWITCH_SPDT_HV2	SWITCH_SPST_HV		CZT041215T-ND							
SW4	SWITCH_SPDT_HV	SWITCH_SPDT_HV	SWITCH_SPDT_HV		563-1031-1-ND							
SW5	SWITCH_SPDT_HV	SWITCH_SPDT_HV	SWITCH_SPDT_HV		563-1031-1-ND							
SW6	SWITCH_SPDP	SWITCH_SPDP	SWITCH_SPDP		563-1021-1-ND							
SW7	SWITCH_SPDP	SWITCH_SPDP	SWITCH_SPDP		563-1021-1-ND							
T1	NCHAN_MOSFET	NCHAN_MOSFET	NCHAN_MOSFET		568-3244-1-ND							
T2	NCHAN_MOSFET	NCHAN_MOSFET	NCHAN_MOSFET		568-3244-1-ND							
T3	NCHAN_MOSFET	NCHAN_MOSFET	NCHAN_MOSFET		568-3244-1-ND							
T4	NCHAN_MOSFET	NCHAN_MOSFET	NCHAN_MOSFET		568-3244-1-ND							
T5	NCHAN_MOSFET	NCHAN_MOSFET	NCHAN_MOSFET		568-3244-1-ND							
T7	WHITE	MA01-1	MA01-1		5002K-ND							
T8	WHITE	MA01-1	MA01-1		5002K-ND							
T9	WHITE	MA01-1	MA01-1		5002K-ND							
T10	WHITE	MA01-1	MA01-1		5002K-ND							
T11	WHITE	MA01-1	MA01-1		5002K-ND							
T12	WHITE	MA01-1	MA01-1		5002K-ND							
T13	GREEN	MA01-1	MA01-1		5116K-ND							
T14	GREEN	MA01-1	MA01-1		5116K-ND							
T15	GREEN	MA01-1	MA01-1		5116K-ND							
T16	RED	MA01-1	MA01-1		5000K-ND							
T17	BLACK	MA01-1	MA01-1		5001K-ND							
T18	YELLOW	MA01-1	MA01-1		5004K-ND							
T19	YELLOW	MA01-1	MA01-1		5004K-ND							
TP20	YELLOW	MA01-1	MA01-1		5004K							