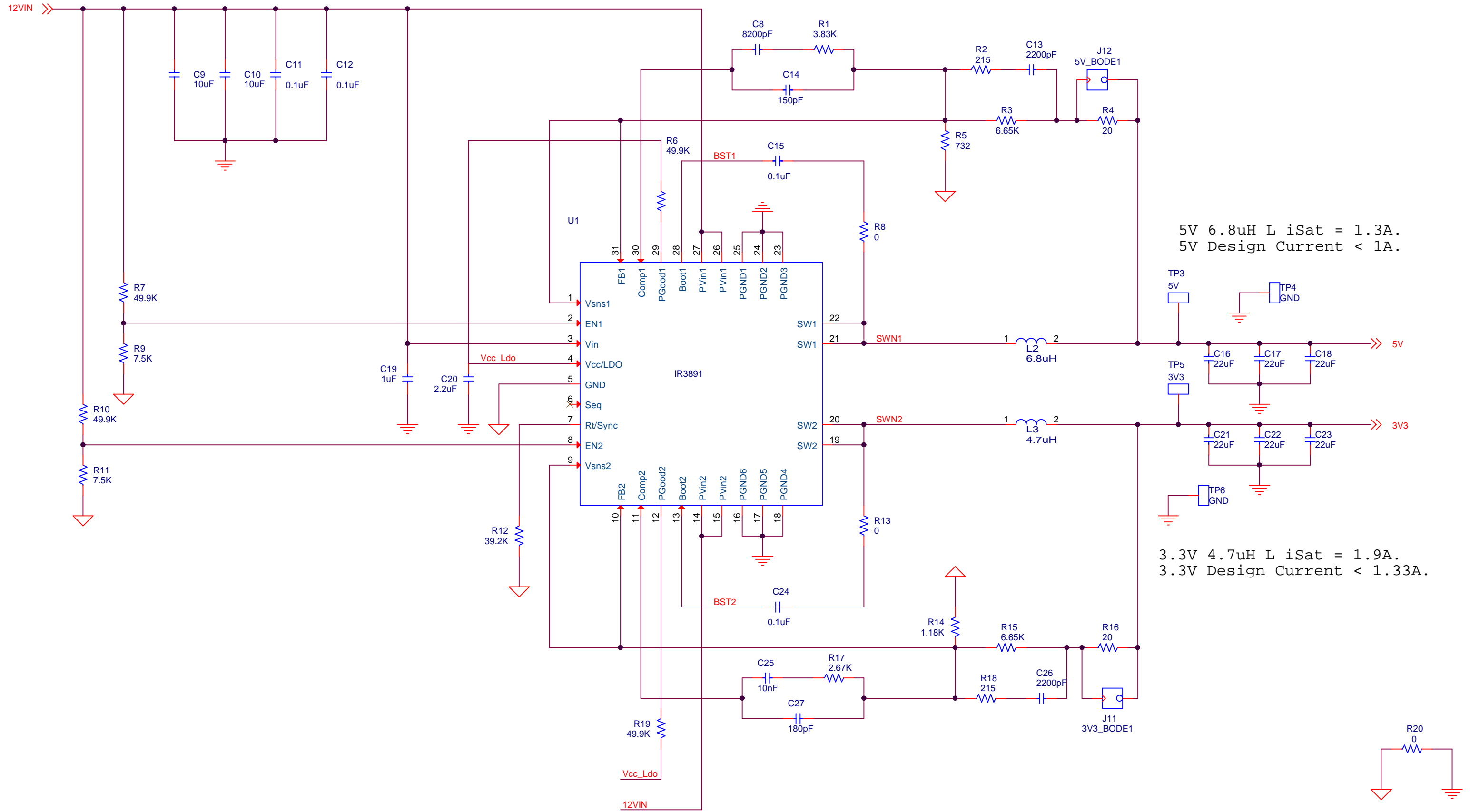


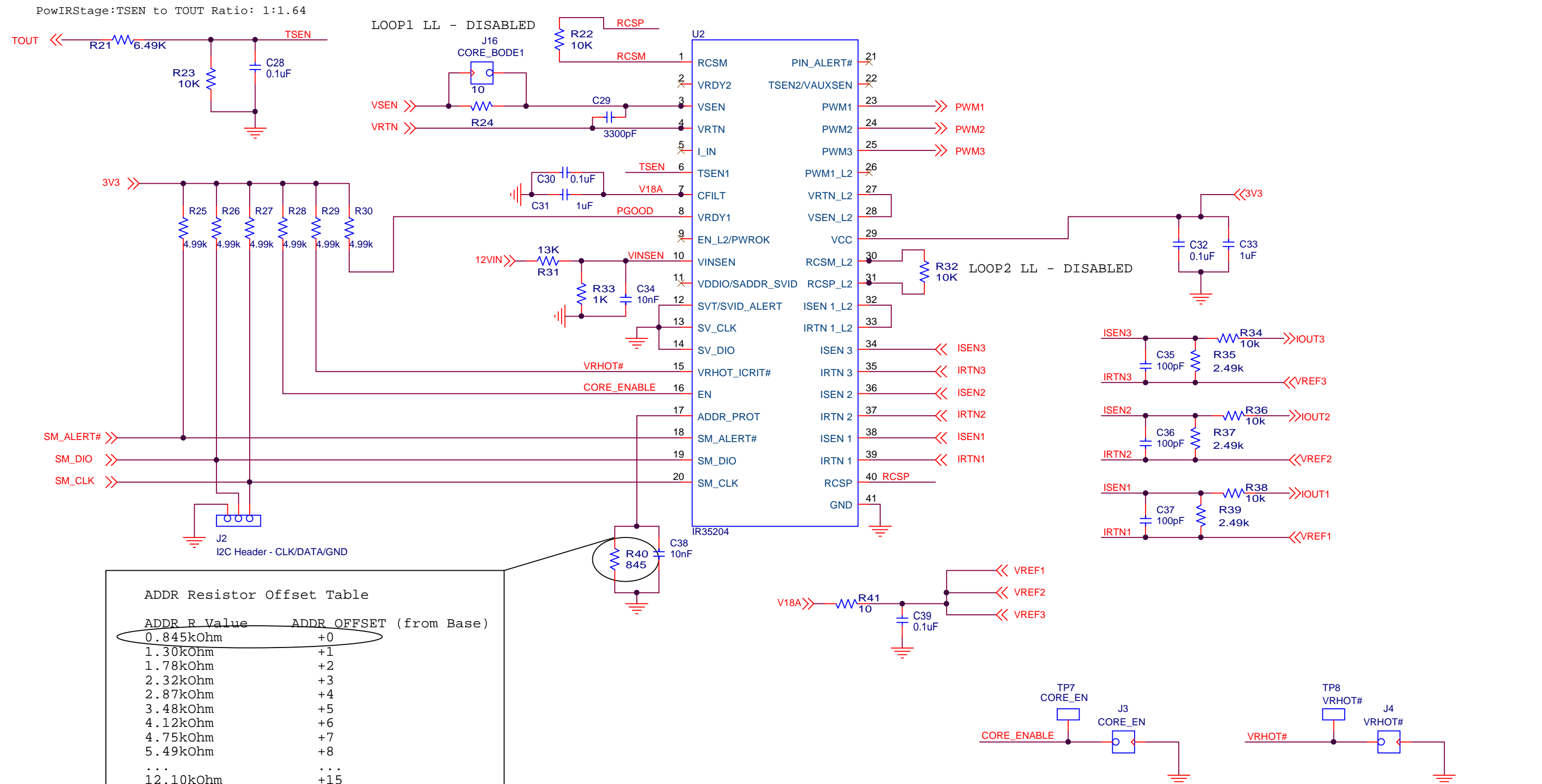
Title		
Input Power		
Size	Document Number	Rev
A	Power Macro Demo Board	0
Date:	Friday, August 05, 2016	Sheet 1 of 8

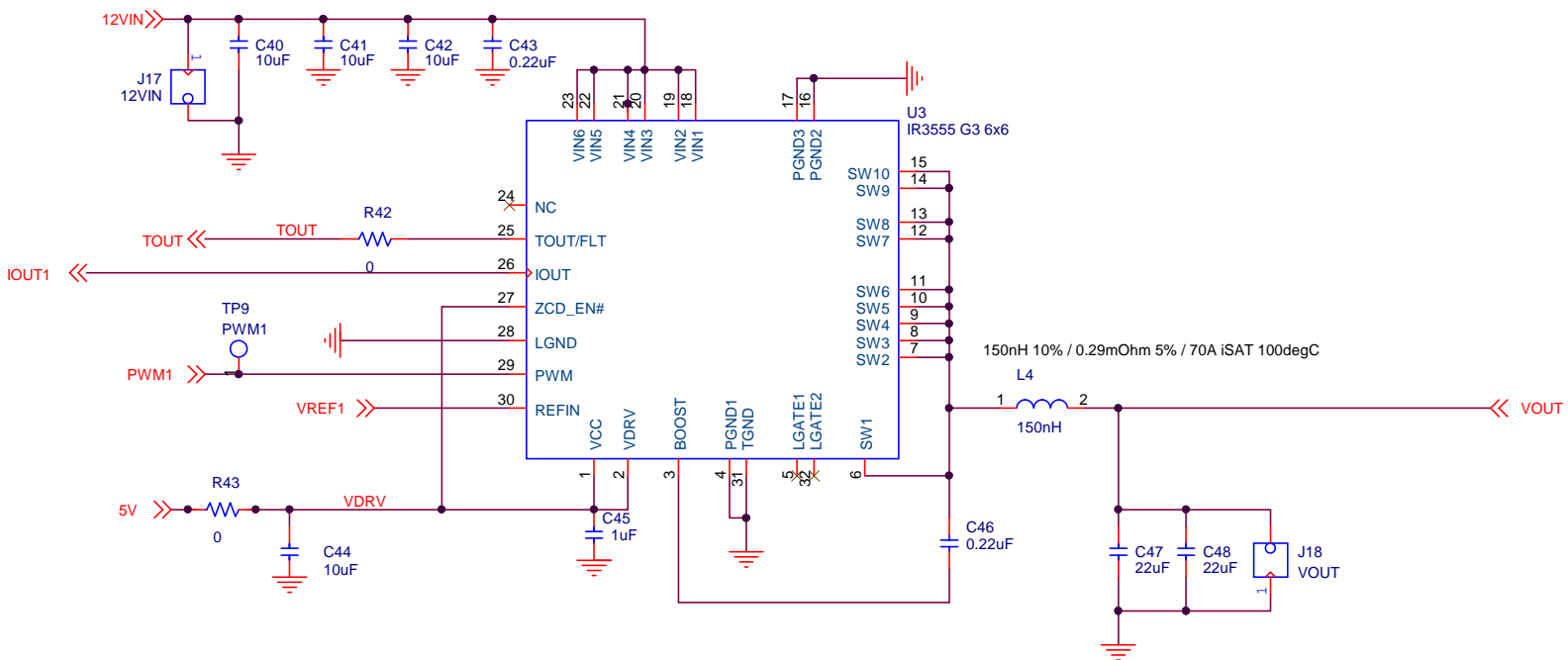


5V 6.8uH L iSat = 1.3A.
5V Design Current < 1A.

3.3V 4.7uH L iSat = 1.9A.
3.3V Design Current < 1.33A.

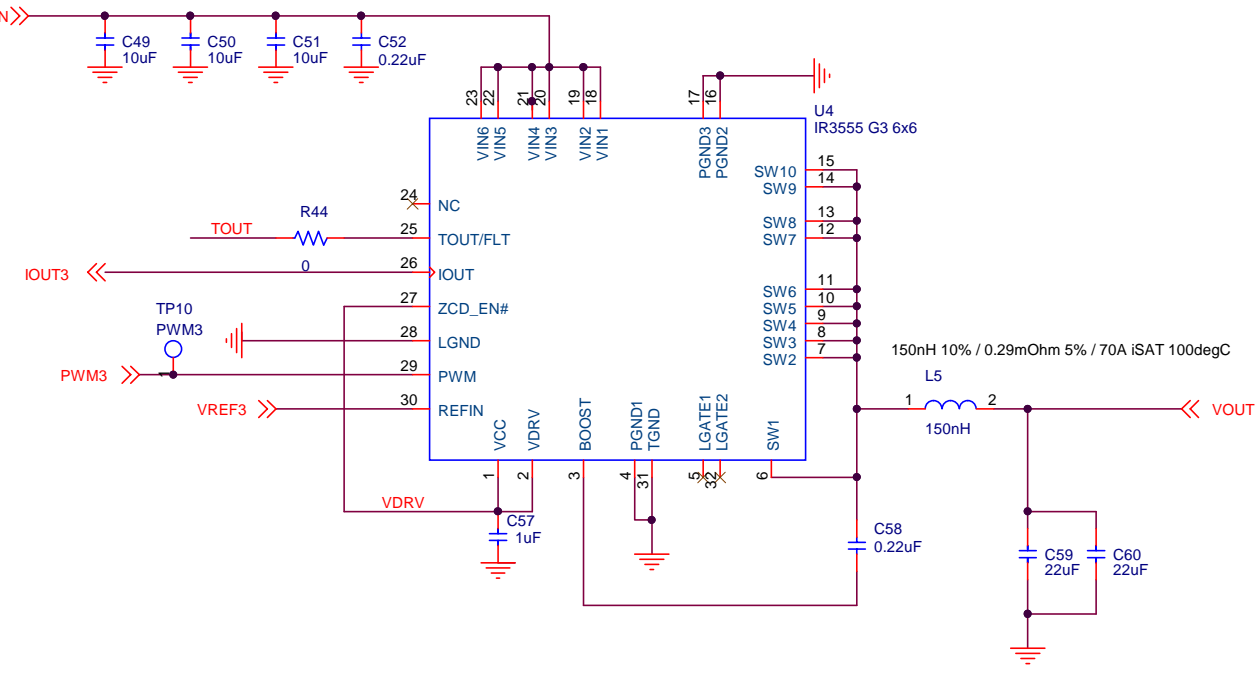
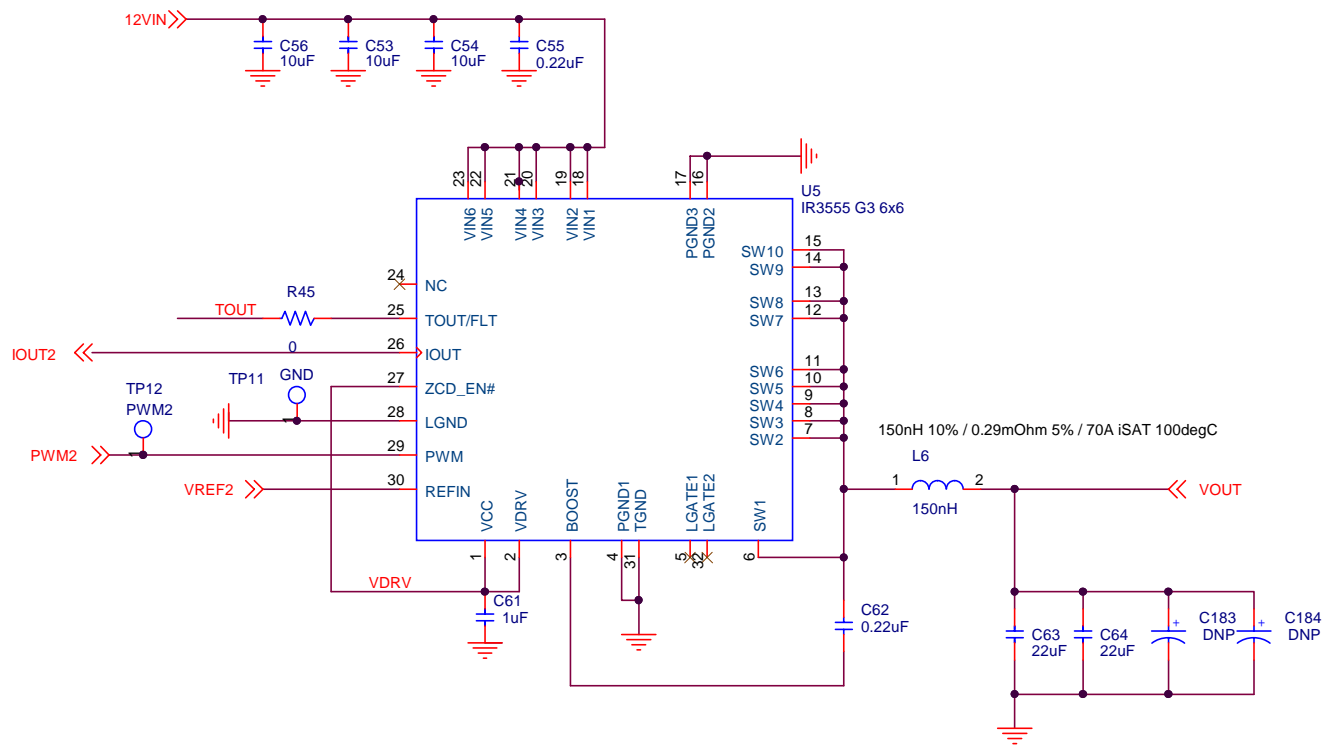
Title		
IR3891 - 3V3 and 5V VRs		
Size	Document Number	Rev
B	Power Macro Demo Board	0
Date:	Friday, August 19, 2016	Sheet 2 of 8





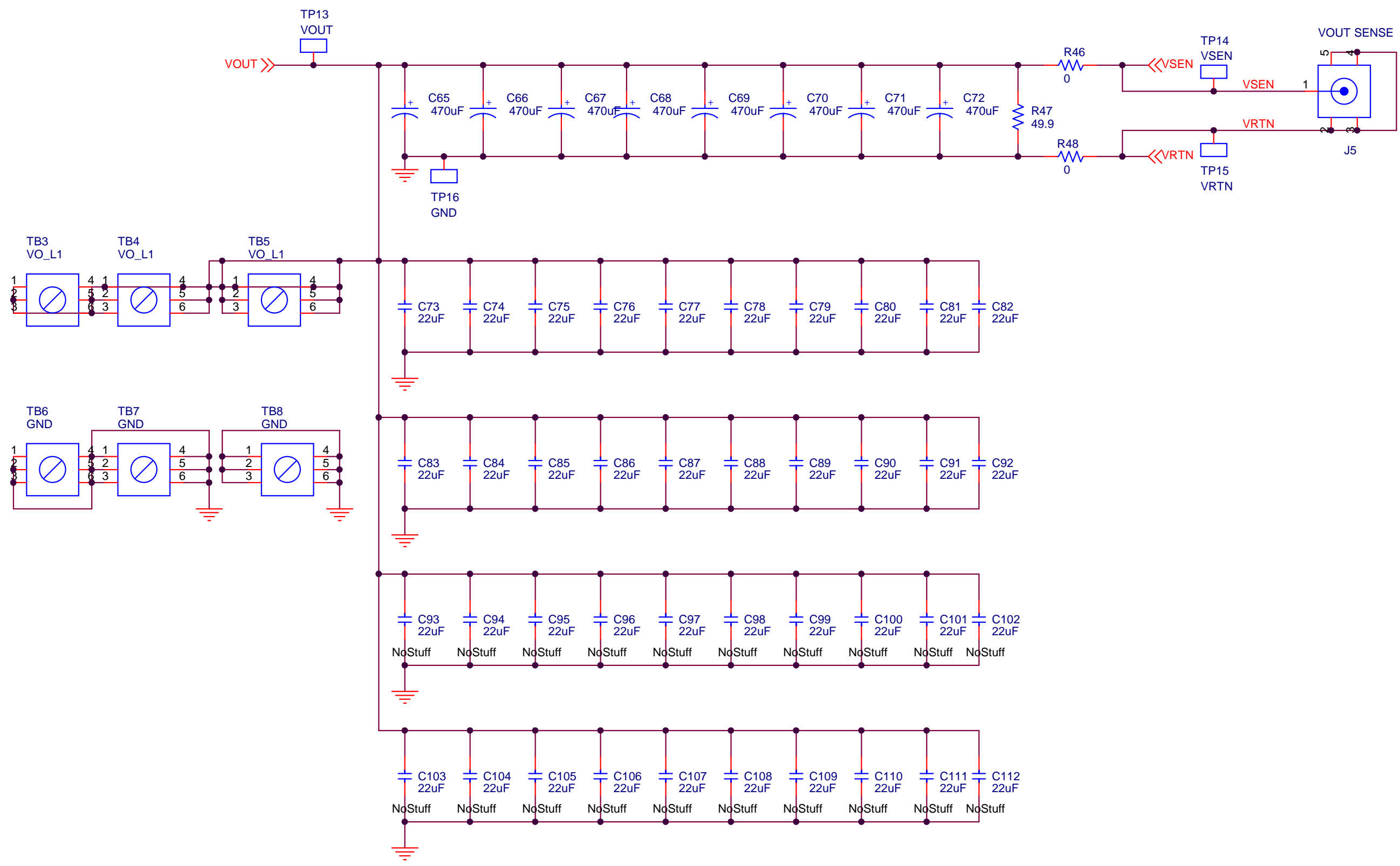
- Inductor Crosses:**
- Delta HCFE107010-151-79
 - Eaton FP1010R1-R150-R
 - Pulse PA4390.151HL
 - Eaton FP1007R3-R15-R

- PowIRStage Crosses:**
- IR3555 6x6mm QFN 60A Device (~25A TDC)
 - IR3556 6x6mm QFN 50A Device (~20A TDC)
 - IR3557 6x6mm QFN 40A Device (~15A TDC)

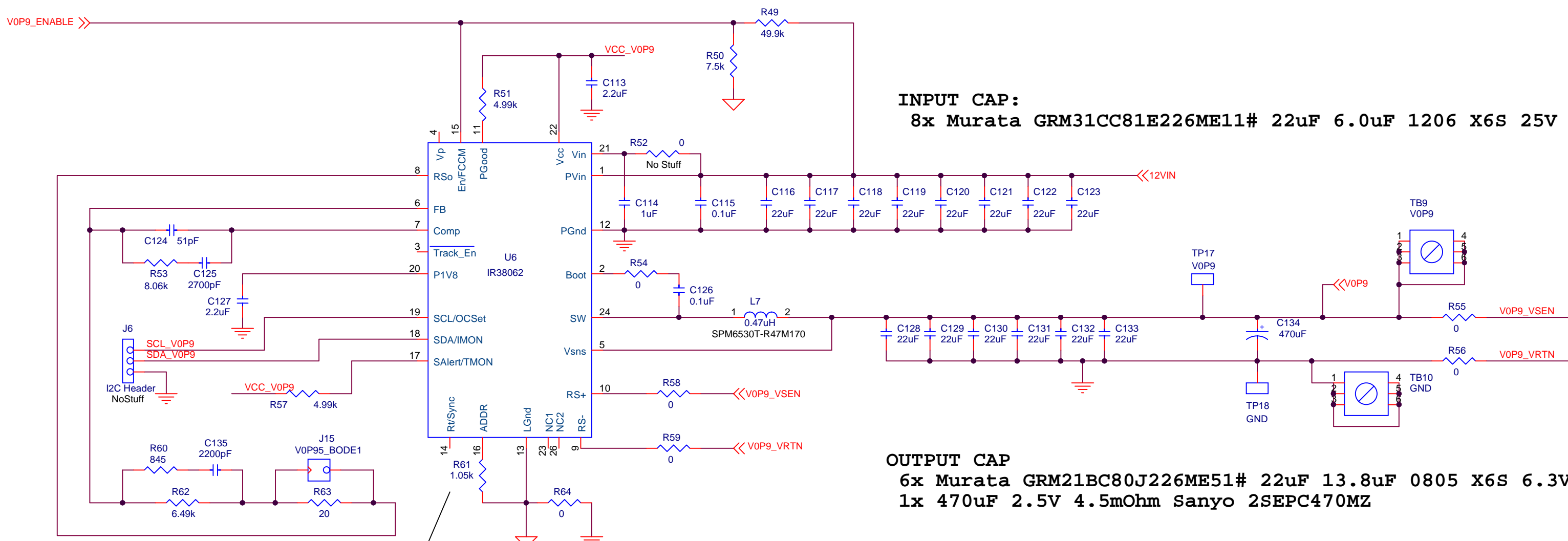


Notes -
 Designed for upto 25A / Phase AVG Current (75A RMS)
 Designed for upto 35A / Phase PEAK Current (105A Peak)
 Designed for low ripple and high transient performance
 500kHz Fsw

Title		
CORE - IR3555 Phases		
Size	Document Number	Rev
	Power Macro Demo Board	0
Date:	Tuesday, August 30, 2016	Sheet 4 of 8



Title		
CORE - Output Caps		
Size	Document Number	Rev
	Power Macro Demo Board	0
Date:	Monday, August 08, 2016	Sheet 5 of 8



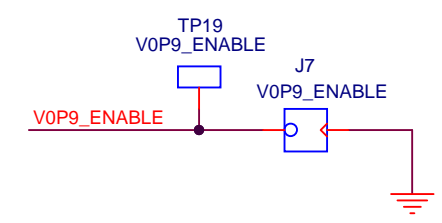
INPUT CAP:
 8x Murata GRM31CC81E226ME11# 22uF 6.0uF 1206 X6S 25V

OUTPUT CAP
 6x Murata GRM21BC80J226ME51# 22uF 13.8uF 0805 X6S 6.3V
 1x 470uF 2.5V 4.5mOhm Sanyo 2SEPC470MZ

R VAL / OFFSET

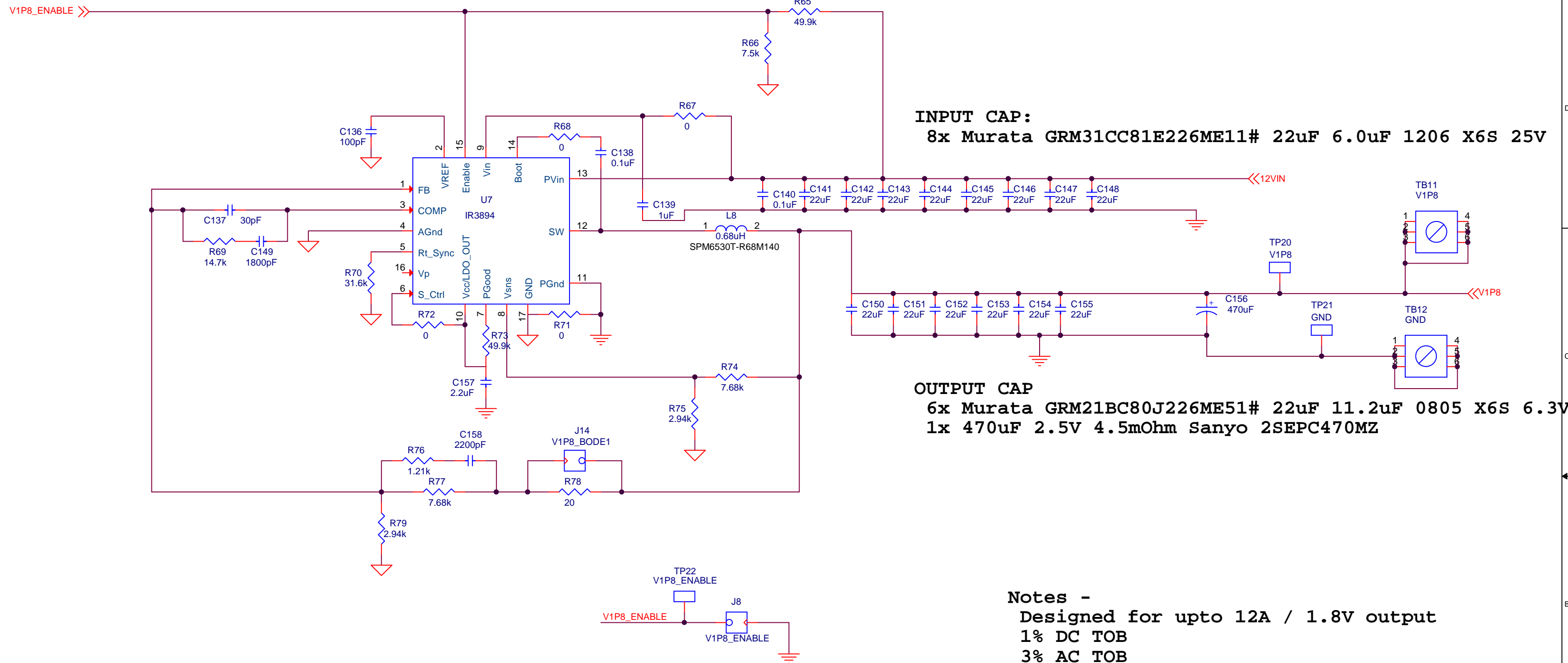
- 0.00k / +0
- 1.05k / +1
- 1.54k / +2
- 2.05k / +3
- 2.61k / +4
- 3.24k / +5
- 3.83k / +6
- 4.53k / +7
- 5.23k / +8
- 6.04k / +9
- 6.98k / +10
- 7.87k / +11
- 8.87k / +12
- 9.76k / +13
- 10.7k / +14
- 11.8k / +15

(Default BASE: 0x10 I2C / 0x40 PMBus)
 Resulting Address: 0x11 / 0x41



Notes -
 Designed for upto 15A / 0.9V output
 1% DC TOB
 3% AC TOB
 750kHz Fsw
 ~100kHz BW

Title		
IR38063 - 25A PMBus VR		
Size	Document Number	Rev
B	Power Macro Demo Board	0
Date:	Thursday, August 11, 2016	Sheet 6 of 8

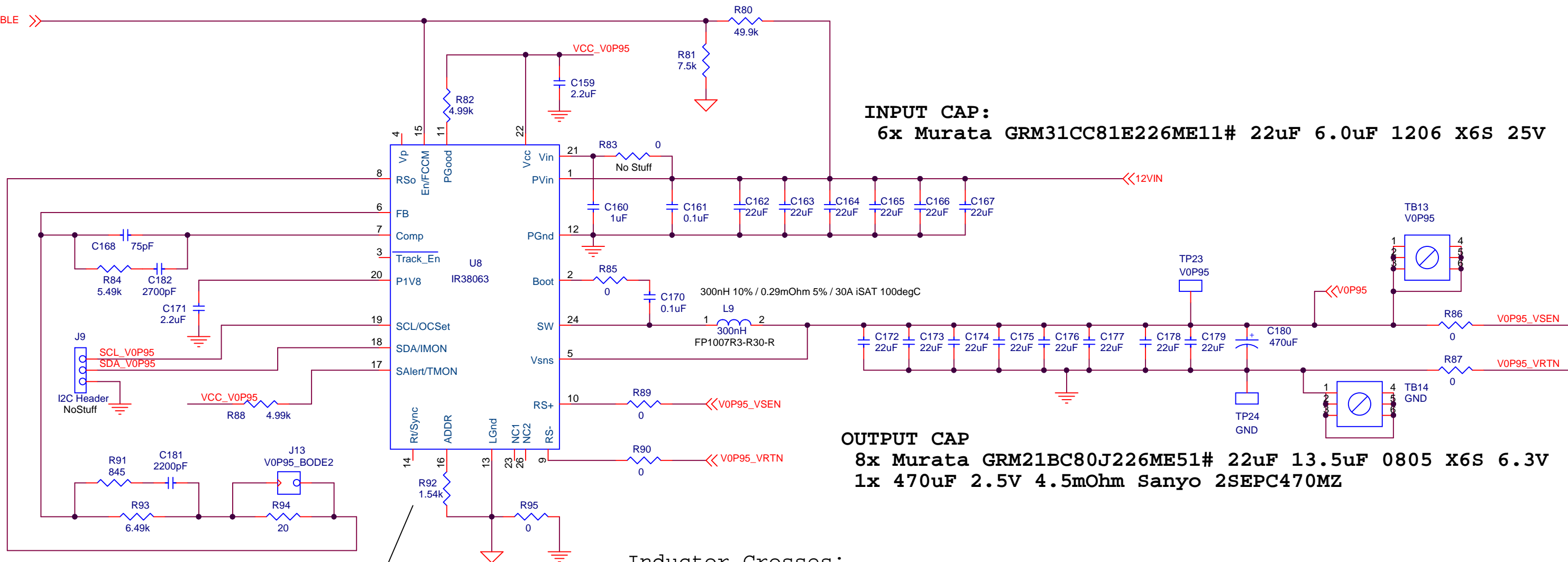


INPUT CAP:
 8x Murata GRM31CC81E226ME11# 22uF 6.0uF 1206 X6S 25V

OUTPUT CAP
 6x Murata GRM21BC80J226ME51# 22uF 11.2uF 0805 X6S 6.3V
 1x 470uF 2.5V 4.5mOhm Sanyo 2SEPC470MZ

Notes -
 Designed for upto 12A / 1.8V output
 1% DC TOB
 3% AC TOB
 750kHz Fsw

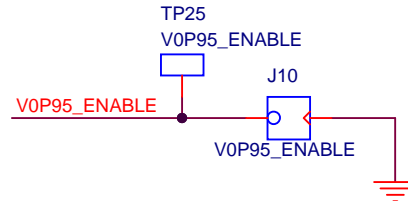
Title		
IR3894 - 1.8V 12A VR		
Size	Document Number	Rev
B	Power Macro Demo Board	0
Date:	Thursday, August 11, 2016	Sheet 7 of 8



INPUT CAP:
 6x Murata GRM31CC81E226ME11# 22uF 6.0uF 1206 X6S 25V

OUTPUT CAP
 8x Murata GRM21BC80J226ME51# 22uF 13.5uF 0805 X6S 6.3V
 1x 470uF 2.5V 4.5mOhm Sanyo 2SEPC470MZ

- Inductor Crosses:
- Delta HCFE107010-301
 - Eaton FP1010R1-R300-R
 - Pulse PA4390.301HL
 - Eaton FP1007R3-R30-R



R	VAL	OFFSET
	0.00k	+0
	1.05k	+1
	1.54k	+2
	2.05k	+3
	2.61k	+4
	3.24k	+5
	3.83k	+6
	4.53k	+7
	5.23k	+8
	6.04k	+9
	6.98k	+10
	7.87k	+11
	8.87k	+12
	9.76k	+13
	10.7k	+14
	11.8k	+15

(Default BASE: 0x10 I2C / 0x40 PMBus)
 Resulting Address: 0x12 / 0x42

Notes -
 1% DC TOB
 3% AC TOB
 750kHz Fsw
 ~100kHz BW
 Supports upto 25A
 Transient Model - 4.8A Loadstep ~ +/- 18mV AC TOB

Title IR38063 - 25A PMBus VR		
Size B	Document Number Power Macro Demo Board	Rev 0
Date:	Thursday, August 11, 2016	Sheet 8 of 8