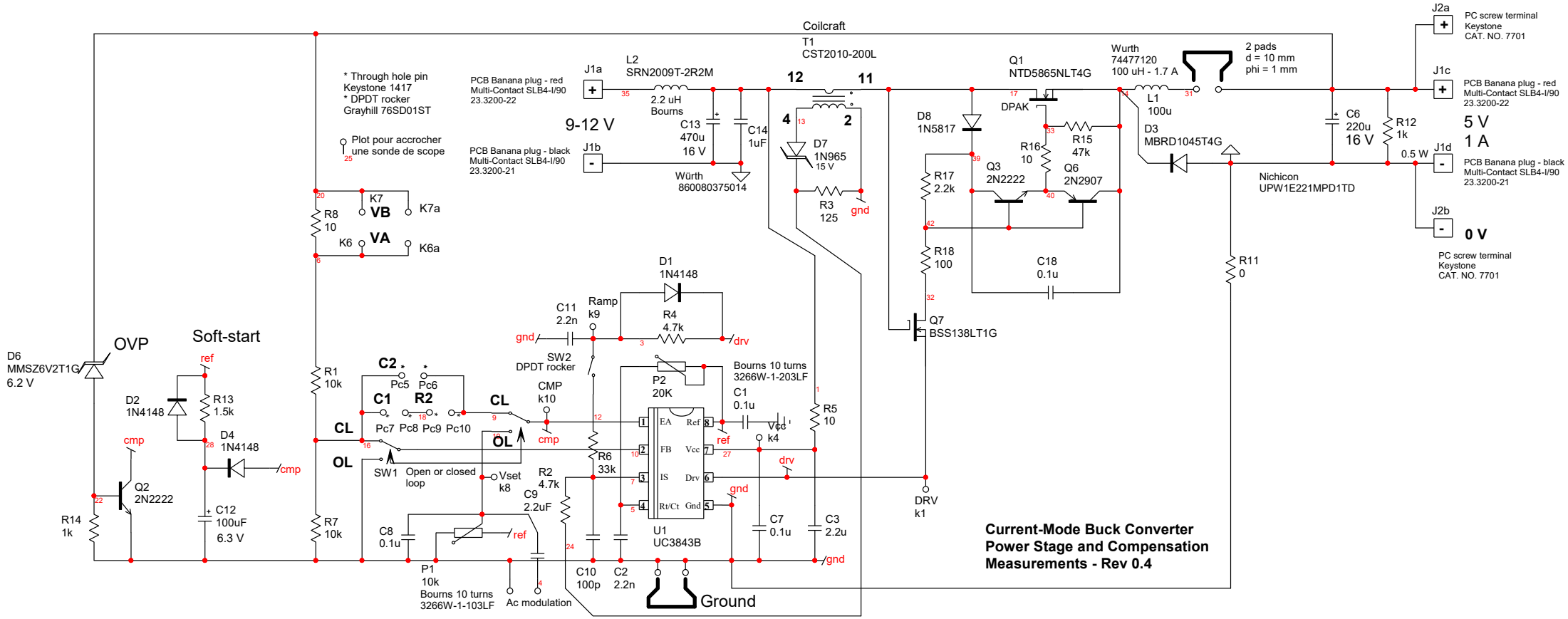
Coilcraft
T1
CST2010-200L
* Through hole pin
Keystone 1417
* DPDT rocker
Grayhill 76SD01ST
Plot pour accrocher une sonde de scope
PCB Banana plug - red
Multi-Contact SLB4-I/90
23.3200-22
PCB Banana plug - black
Multi-Contact SLB4-I/90
23.3200-21
J1a
J1b
9-12 V
L2
SRN2009T-2R2M
2.2 uH
Bourns
C13
470u
16 V
C14
1uF
Würth
860080375014
12
11
4
2
D7
1N965
15 V
R3
125
gnd
Q1
NTD5865NLT4G
DPAK
Wurth
74477120
100 uH - 1.7 A
2 pads
d = 10 mm
phi = 1 mm
L1
100u
D8
1N5817
D3
MBRD1045T4G
R16
10
R15
47k
R17
2.2k
Q3
2N2222
Q6
2N2907
R18
100
C18
0.1u
Q7
BSS138LT1G
R11
0
Nichicon
UPW1E221MPD1TD
C6
220u
16 V
R12
1k
0.5 W
J2a
J1c
J1d
J2b
PC screw terminal
Keystone
CAT. NO. 7701
5 V
1 A
0 V
K7
VB
K7a
K6
VA
K6a
R8
10
R1
10k
C2
C1
R2
Pc5
Pc6
Pc7
Pc8
Pc9
Pc10
CL
OL
SW1
Open or closed loop
Vset
k8
C11
2.2n
Ramp
k9
SW2
DPDT rocker
CMP
k10
D1
1N4148
R4
4.7k
drv
P2
20K
Bourns 10 turns
3266W-1-203LF
C1
0.1u
Vcc
k4
ref
R5
10
R6
33k
R2
4.7k
C9
2.2uF
EA
Ref
FB
Vcc
IS
Drv
Rt/Ct
Gnd
U1
UC3843B
C7
0.1u
C3
2.2u
C8
0.1u
P1
10k
Bourns 10 turns
3266W-1-103LF
Ac modulation
C10
100p
C2
2.2n
Ground
DRV
k1
OVP
D6
MMSZ6V2T1G
6.2 V
Soft-start
D2
1N4148
R13
1.5k
D4
1N4148
cmp
Q2
2N2222
R14
1k
C12
100uF
6.3 V
R7
10k
Current-Mode Buck Converter
Power Stage and Compensation
Measurements - Rev 0.4