Segregated High Voltage Blocks

+/-300V
0V
IN_P
IN_N
FB1A 74279218
FB2A 74279218
D2A S1M
RD1A 275Vac
D1A 1.5SMCJ400CA
TP39A
TP36A
TP37A
TP38A
Q15A KSC5502D
Q2A KSC5502D
Q3A KSC5502D
R51A 0603 10
R52A 0603 10
R53A 0603 NF
Q1A BC857BS
R1A 1206 12
R2A 0603 2k7
R3A 0603 10k
C14A 0.1u
R4A 1206 1M0
Q4A FZT560
R5A 1206 180
R6A 1206 3k3
+300V
R7A 1206 430k
R8A 1206 430k
+/-150V
TP31A
D3A BAV99DW
C13A 1n/50V

2V8 Regulator

TP30A
TP29A
C3A 1n/50V
C6A 1n/50V
C1A 10n/50V
IC1A TLVH431BIDBZR
R9A 0603 15k
R10A 0603 12k
R11A 0603 1k8
R12A 0603 220k
R14A 0603 27k
Q5A BC847CD
TP28A
TP27A
PWR_3V5
TP3A
R13A 0603 200
R15A 0603 5k6
330n/16V
C2A
D5A BZX384C5V1

TCS Compensation

R16A 0603 10k
R17A 0603 470k
Q6A BC847CD
TP26A
TP25A
TP24A
R18A 0603 100k
C4A 10n/50V
R19A 0603 15k
C7A 33n
D4A BAV99DW

3V0 Regulator

R28A 0603 3k3
R29A 0603 18k
R30A 0603 15k
TP5A
TP6A
TP9A
C8A 1n/50V
C9A 10n/50V
IC3A TLVH431BIDBZR
R32A 0603 1k8
D3A BAV99DW
R37A 0603 2k7
R38A 0603 27k
R39A 0603 4k7
R40A 0603 68k
IC4A LMV7239
TP10A
TP11A
R50A 0603 33
C15A 0.1u
C10A 10n/50V
POWER LMV7239

R20A 1R5
R21A 1R5
TP23A
TP22A
TP21A
Q7A NTR4501N
Q8A NTR4501N
R23A 0603 47k
R24A 0603 10k
R22A 0603 820
Q9A BC857BS
R26A 0603 820
C5A 33n
R27A 0603 1k5
TP20A
TP2A
PWR_6V3
TP1A
IC2A VOM453T
ISO_SCC_IN_P
ISO_SCC_IN
C16A 0.1u
C17A NF
R25A 0603 47k
Q10A BC847PN

R41A 0603 24k
R43A 0603 220k
R44A 0603 22k
R45A 0603 180k
R46A 0603 10k
R42A 0603 4k7
Q14A BC847CD
TP12A
TP13A
TP14A
TP15A
TP16A
TP17A
C11A 1n/50V
C12A 10n/50V
TP7A
TP8A
PWR_0V
PWR_3V0
TP4A

Use ACPL-M61L is available
else use ACPL-W61L.

IC7A ACPL-M61L
IC5A ACPL-W61L
TP19A
TP18A
R47A 0603 390
R48A 0603 270
R49A 0603 270
ISO_VDD
ISO_VIN_OUT
ISO_VSS