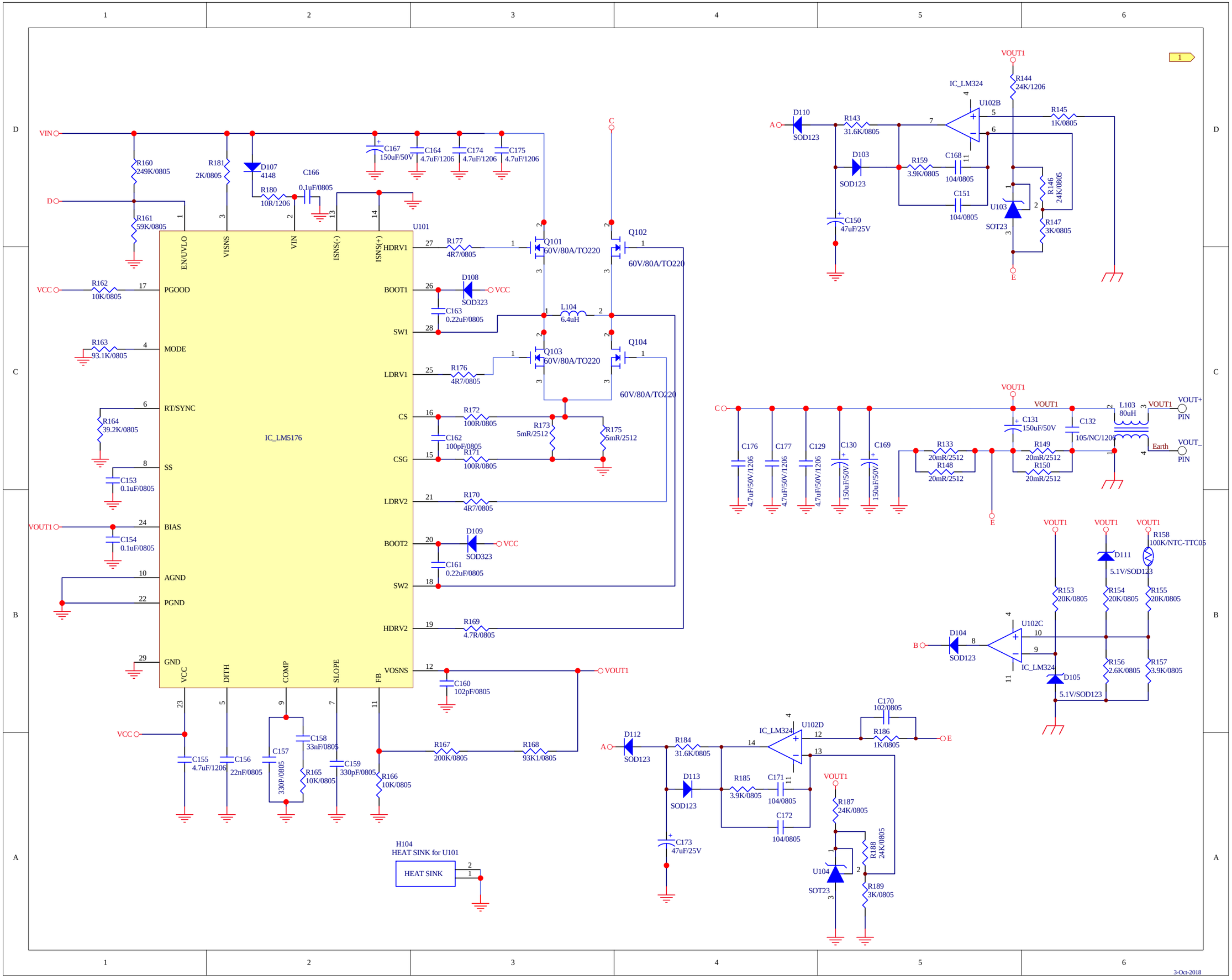
VIN
D
VCC
VOUT1
C
A
B
E
R160 249K/0805
R161 59K/0805
R181 2K/0805
D107 4148
R180 10R/1206
C166 0.1uF/0805
C167 150uF/50V
C164 4.7uF/1206
C174 4.7uF/1206
C175 4.7uF/1206
U101
IC_LM5176
EN/UVLO
VISNS
VIN
ISNS(-)
ISNS(+)
PGOOD
MODE
RT/SYNC
SS
BIAS
AGND
PGND
GND
VCC
DITH
COMP
SLOPE
FB
HDRV1
BOOT1
SW1
LDRV1
CS
CSG
LDRV2
BOOT2
SW2
HDRV2
VOSNS
R162 10K/0805
R163 93.1K/0805
R164 39.2K/0805
C153 0.1uF/0805
C154 0.1uF/0805
R177 4R7/0805
D108 SOD323
C163 0.22uF/0805
L104 6.4uH
Q101 60V/80A/TO220
Q102 60V/80A/TO220
Q103 60V/80A/TO220
Q104 60V/80A/TO220
R176 4R7/0805
R172 100R/0805
C162 100pF/0805
R171 100R/0805
R173 5mR/2512
R175 5mR/2512
R170 4R7/0805
D109 SOD323
C161 0.22uF/0805
R169 4.7R/0805
C160 102pF/0805
R167 200K/0805
R168 93K1/0805
C155 4.7uF/1206
C156 22nF/0805
C157 330P/0805
C158 33nF/0805
R165 10K/0805
C159 330pF/0805
R166 10K/0805
H104
HEAT SINK for U101
HEAT SINK
D110 SOD123
R143 31.6K/0805
D103 SOD123
R159 3.9K/0805
C168 104/0805
C151 104/0805
C150 47uF/25V
IC_LM324
U102B
R144 24K/1206
R145 1K/0805
R146 24K/0805
U103 SOT23
R147 3K/0805
C176 4.7uF/50V/1206
C177 4.7uF/50V/1206
C129 4.7uF/50V/1206
C130 150uF/50V
C169 150uF/50V
R133 20mR/2512
R148 20mR/2512
C131 150uF/50V
R149 20mR/2512
R150 20mR/2512
C132 105/NC/1206
L103 80uH
VOUT+ PIN
VOUT_ PIN
Earth
D111 5.1V/SOD123
R158 100K/NTC-TTC05
R153 20K/0805
R154 20K/0805
R155 20K/0805
D104 SOD123
U102C
IC_LM324
D105 5.1V/SOD123
R156 2.6K/0805
R157 3.9K/0805
D112 SOD123
R184 31.6K/0805
U102D
C170 102/0805
R186 1K/0805
D113 SOD123
R185 3.9K/0805
C171 104/0805
C172 104/0805
C173 47uF/25V
R187 24K/0805
R188 24K/0805
U104 SOT23
R189 3K/0805

3-Oct-2018