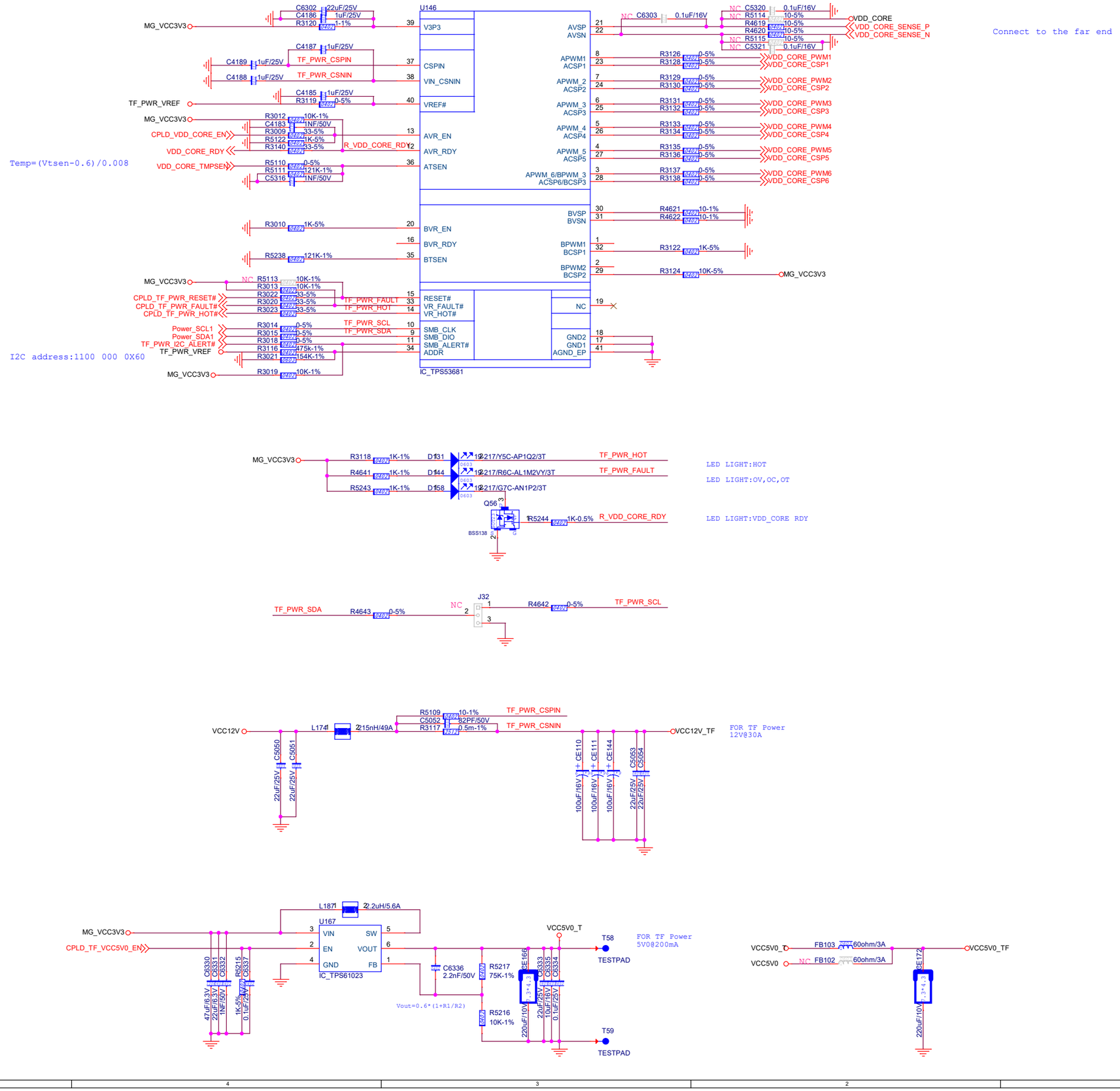
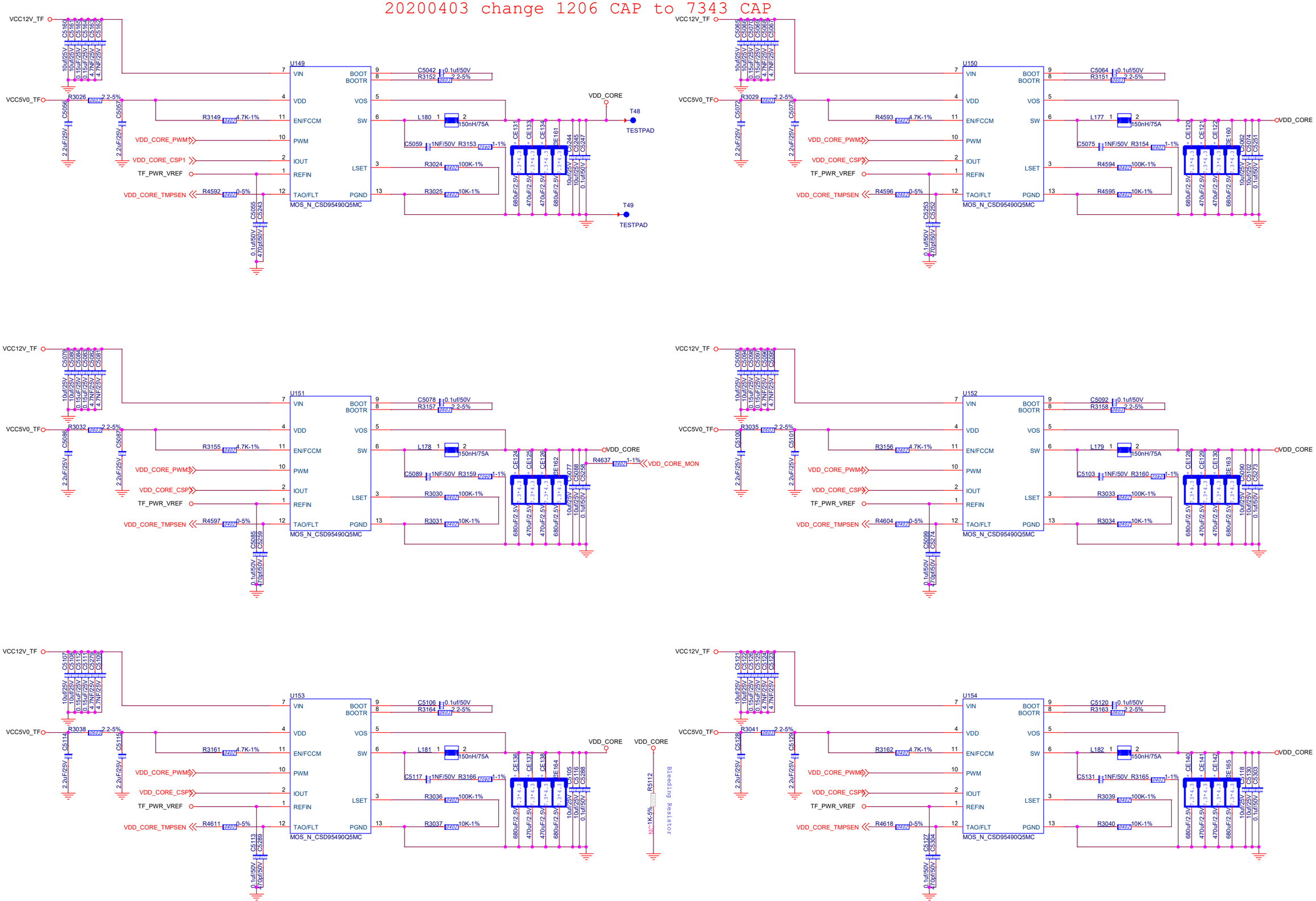

U146
IC_TPS53681
MG_VCC3V3
C6302 22uF/25V
C4186 1uF/25V
R3120 1-1%
C4187 1uF/25V
C4189 1uF/25V
C4188 1uF/25V
TF_PWR_CSPIN
TF_PWR_CSNIN
C4185 1uF/25V
R3119 0-5%
TF_PWR_VREF
R3012 10K-1%
C4183 1NF/50V
R3009 33-5%
R5122 1K-5%
R3140 33-5%
CPLD_VDD_CORE_EN
VDD_CORE_RDY
R_VDD_CORE_RDY
R5110 0-5%
R5111 121K-1%
C5316 1NF/50V
VDD_CORE_TMPSEN
Temp=(Vtsen-0.6)/0.008
R3010 1K-5%
R5238 121K-1%
NC R5113 10K-1%
R3013 10K-1%
R3022 33-5%
R3020 33-5%
R3023 33-5%
CPLD_TF_PWR_RESET#
CPLD_TF_PWR_FAULT#
CPLD_TF_PWR_HOT#
TF_PWR_FAULT
TF_PWR_HOT
R3014 0-5%
R3015 0-5%
R3018 0-5%
R3116 475k-1%
R3021 154K-1%
Power_SCL1
Power_SDA1
TF_PWR_I2C_ALERT#
TF_PWR_VREF
TF_PWR_SCL
TF_PWR_SDA
I2C address:1100 000 0X60
R3019 10K-1%
V3P3
CSPIN
VIN_CSNIN
VREF#
AVR_EN
AVR_RDY
ATSEN
BVR_EN
BVR_RDY
BTSEN
RESET#
VR_FAULT#
VR_HOT#
SMB_CLK
SMB_DIO
SMB_ALERT#
ADDR
AVSP
AVSN
APWM1
ACSP1
APWM_2
ACSP2
APWM_3
ACSP3
APWM_4
ACSP4
APWM_5
ACSP5
APWM_6/BPWM_3
ACSP6/BCSP3
BVSP
BVSN
BPWM1
BCSP1
BPWM2
BCSP2
NC
GND2
GND1
AGND_EP
NC C6303 0.1uF/16V
NC C5320 0.1uF/16V
NC R5114 10-5%
R4619 10-5%
R4620 10-5%
NC R5115 10-5%
NC C5321 0.1uF/16V
VDD_CORE
VDD_CORE_SENSE_P
VDD_CORE_SENSE_N
Connect to the far end
R3126 0-5%
R3128 0-5%
VDD_CORE_PWM1
VDD_CORE_CSP1
R3129 0-5%
R3130 0-5%
VDD_CORE_PWM2
VDD_CORE_CSP2
R3131 0-5%
R3132 0-5%
VDD_CORE_PWM3
VDD_CORE_CSP3
R3133 0-5%
R3134 0-5%
VDD_CORE_PWM4
VDD_CORE_CSP4
R3135 0-5%
R3136 0-5%
VDD_CORE_PWM5
VDD_CORE_CSP5
R3137 0-5%
R3138 0-5%
VDD_CORE_PWM6
VDD_CORE_CSP6
R4621 10-1%
R4622 10-1%
R3122 1K-5%
R3124 10K-5%
MG_VCC3V3
R3118 1K-1%
R4641 1K-1%
R5243 1K-1%
D131 12217/Y5C-AP1Q2/3T
D144 12217/R6C-AL1M2VY/3T
D158 12217/G7C-AN1P2/3T
TF_PWR_HOT
TF_PWR_FAULT
LED LIGHT:HOT
LED LIGHT:OV,OC,OT
Q56
BSS138
R5244 1K-0.5%
R_VDD_CORE_RDY
LED LIGHT:VDD_CORE RDY
TF_PWR_SDA
R4643 0-5%
NC
J32
R4642 0-5%
TF_PWR_SCL
VCC12V
C5050 22uF/25V
C5051 22uF/25V
L174 215nH/49A
R5109 10-1%
C5052 82PF/50V
R3117 0.5m-1%
TF_PWR_CSPIN
TF_PWR_CSNIN
CE110 100uF/16V
CE111 100uF/16V
CE144 100uF/16V
C5053 22uF/25V
C5054 22uF/25V
VCC12V_TF
FOR TF Power
12V@30A
L187 22.2uH/5.6A
U167
IC_TPS61023
VIN
EN
GND
SW
VOUT
FB
CPLD_TF_VCC5V0_EN
C6330 47uF/6.3V
C6331 22uF/6.3V
C6332 1NF/50V
R5215 1K-5%
C6337 0.1uF/25V
C6336 2.2nF/50V
R5217 75K-1%
R5216 10K-1%
Vout=0.6*(1+R1/R2)
CE166 220uF/10V 1.3*4.3
C6333 22uF/25V
C6335 10uF/16V
C6334 0.1uF/25V
VCC5V0_T
T58
TESTPAD
T59
TESTPAD
FOR TF Power
5V@200mA
VCC5V0_
VCC5V0
FB103 60ohm/3A
NC FB102 60ohm/3A
CE172 220uF/10V 1.3*4.3
VCC5V0_TF

Input:12V----》Output:0.86V/300A

20200403 change 1206 CAP to 7343 CAP