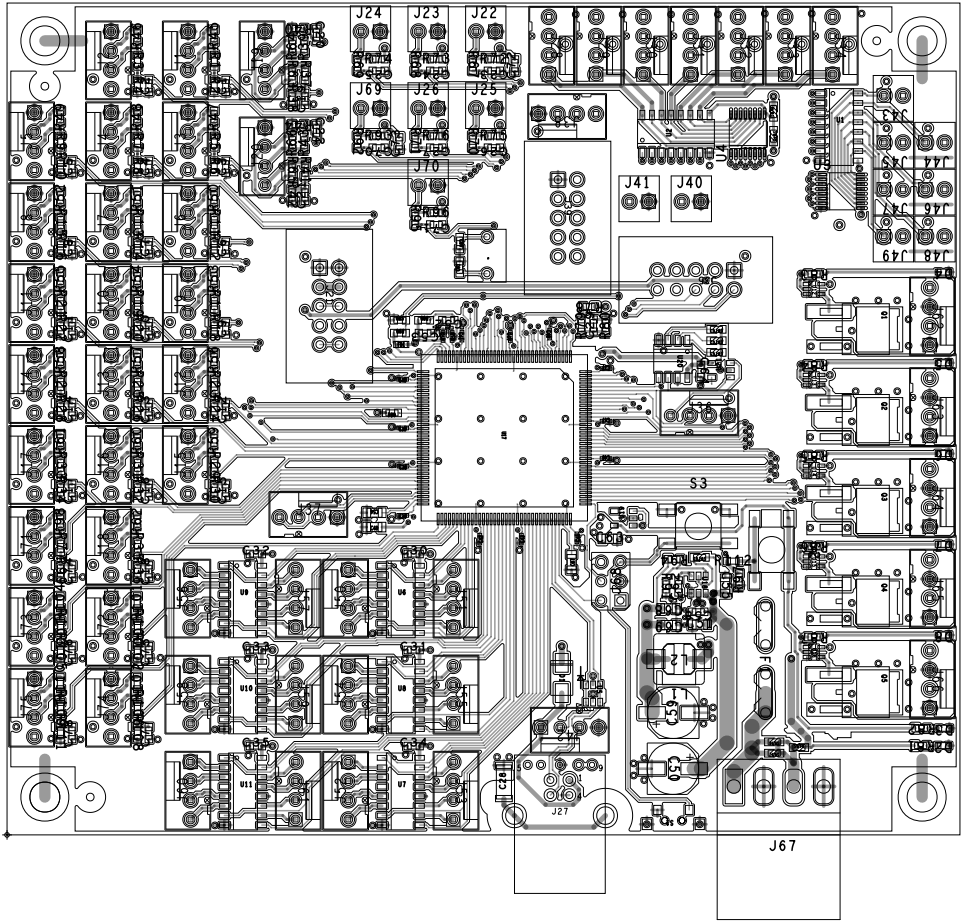
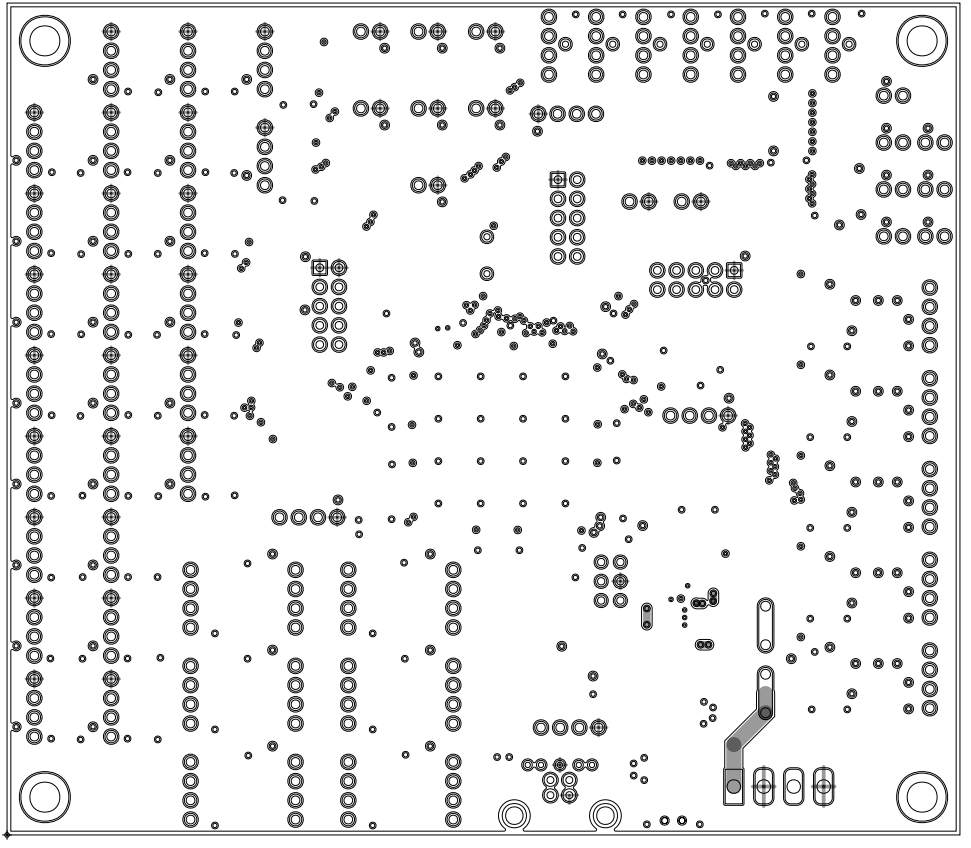
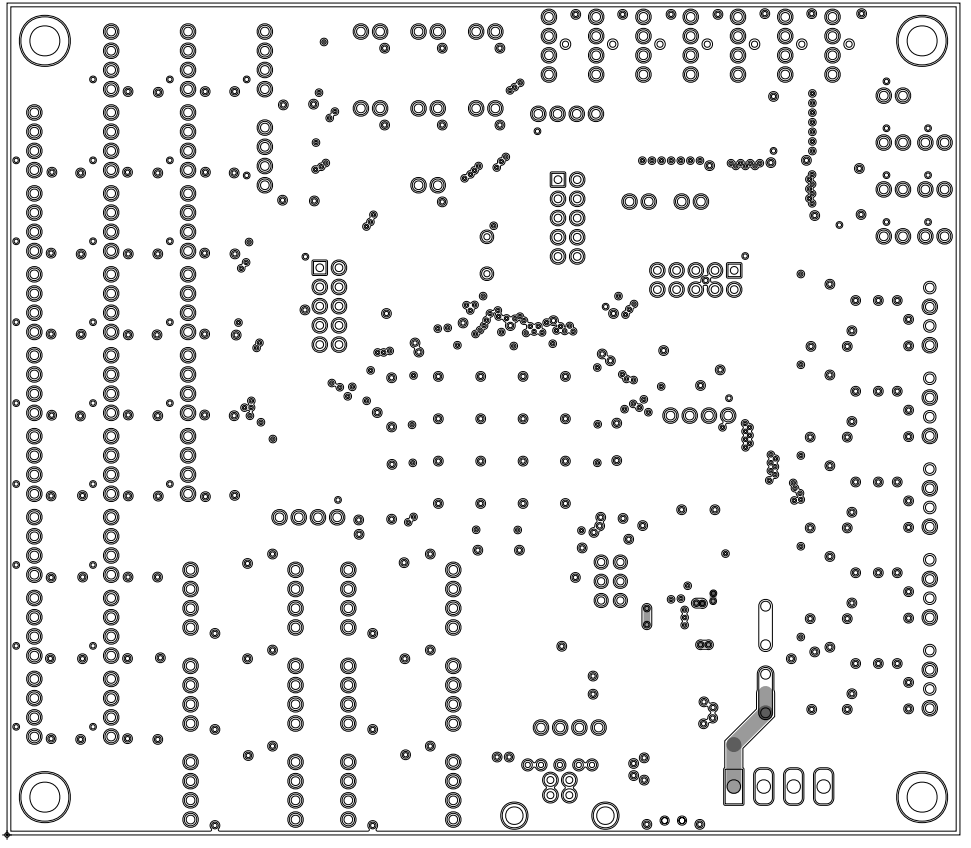

J24
J23
J22
J69
J26
J25
J70
J41
J40
J43
J44
J45
J46
J47
J48
J49
S3
J27
J67

ART FILM - LAYER2



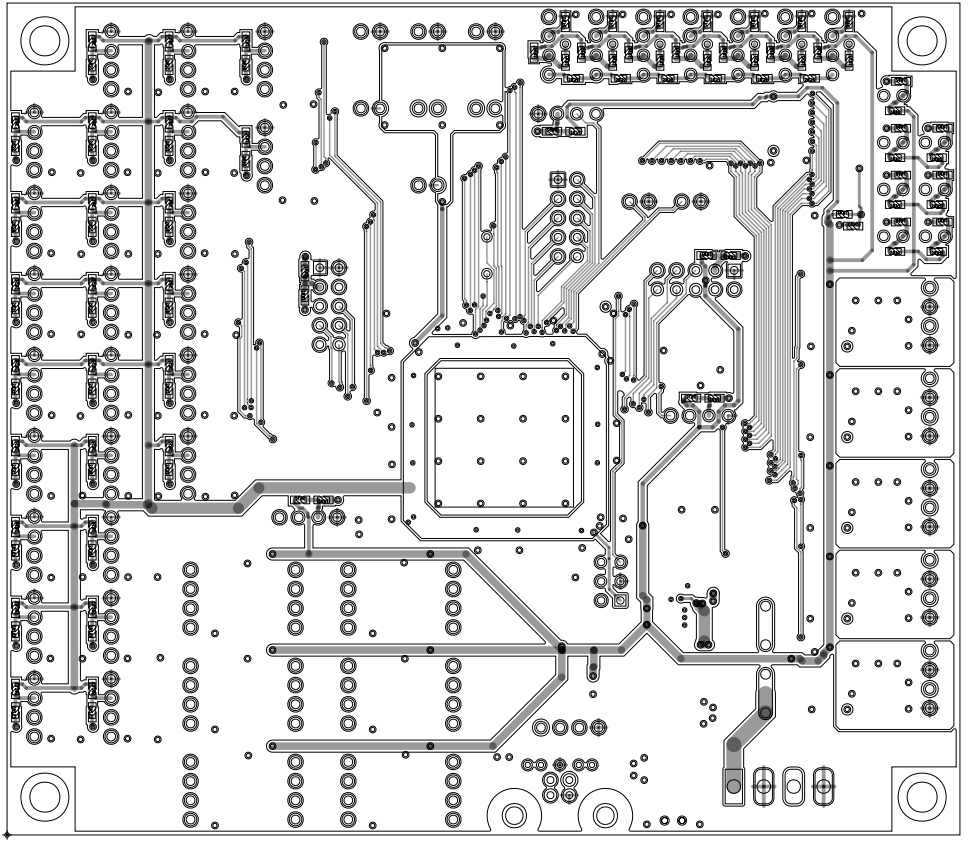
ART FILM - LAYER2

ART FILM - LAYER3



ART FILM - LAYER3

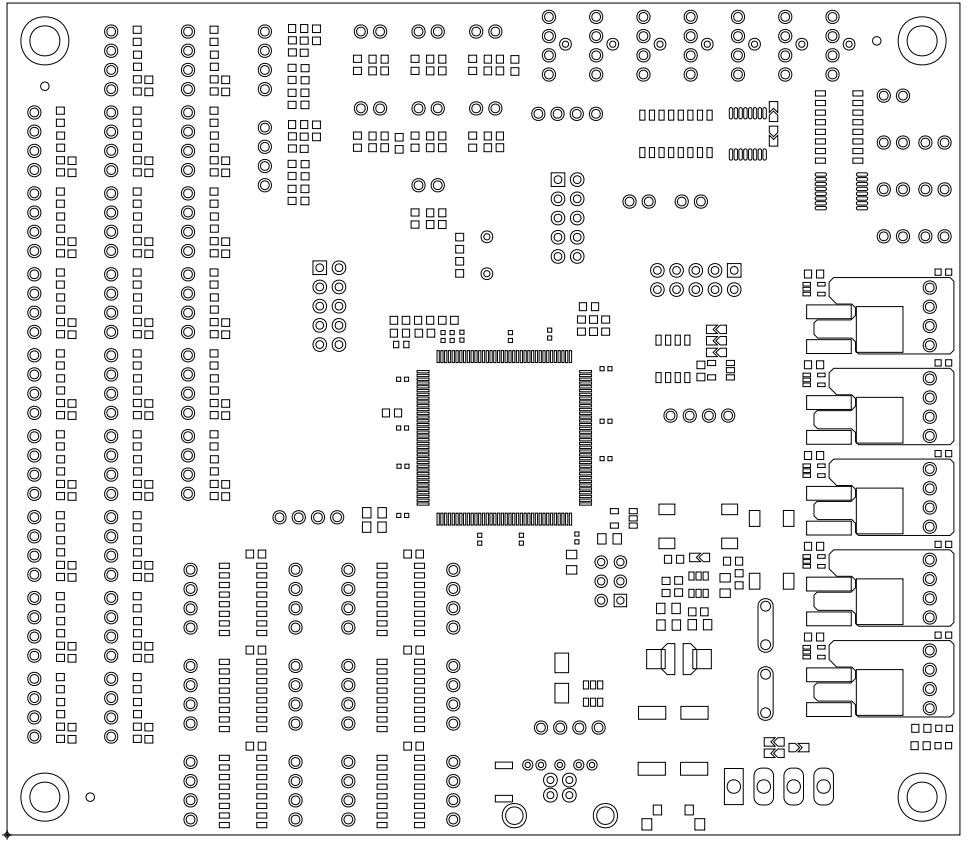
ART FILM - BOTTOM



ART FILM - BOTTOM

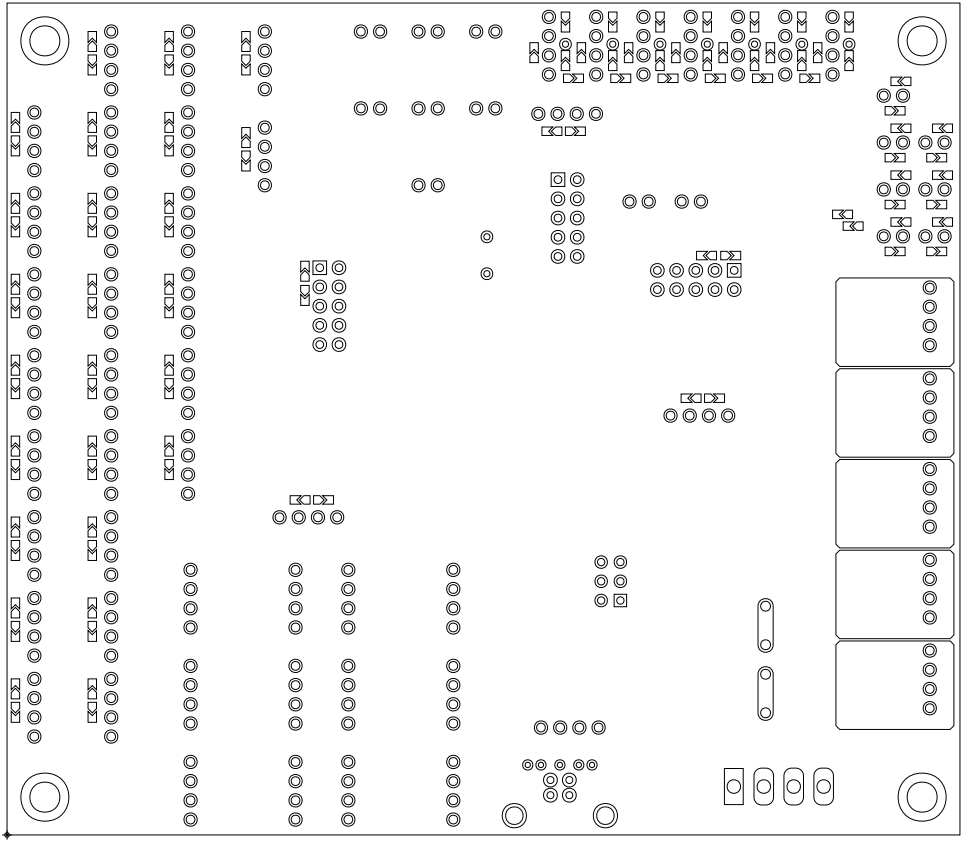
ART FILM - BOARD

ART FILM - SMASK_TOP

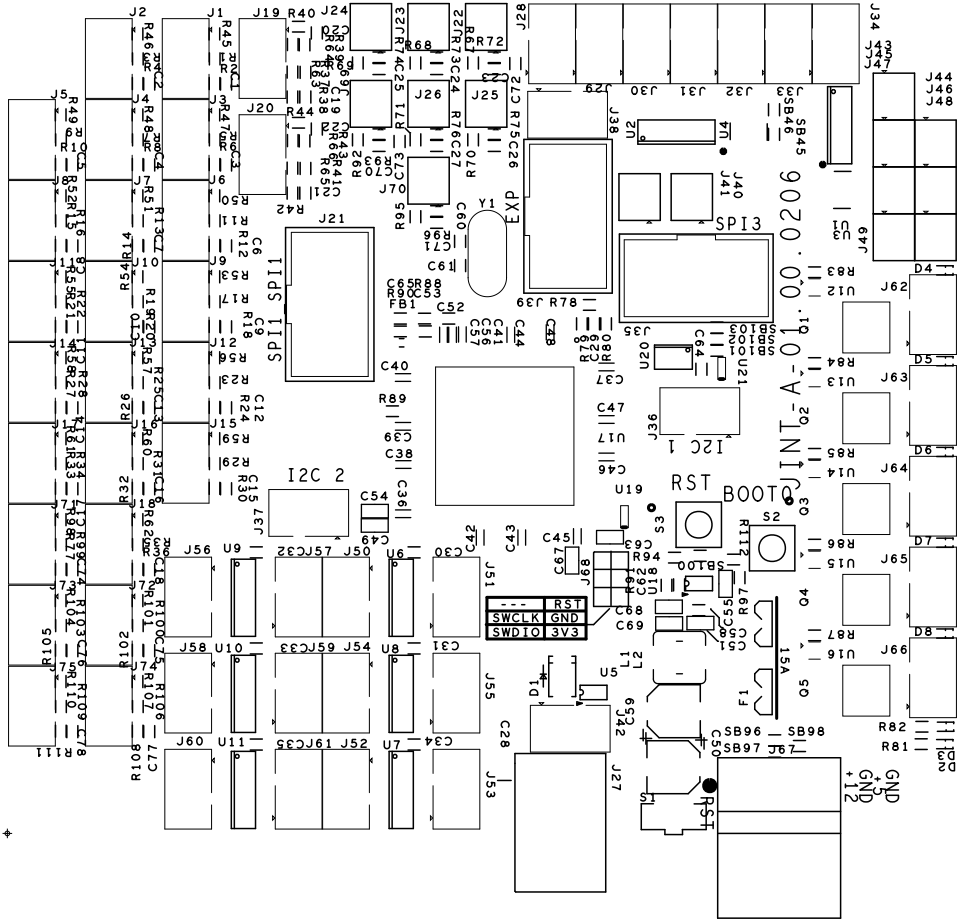


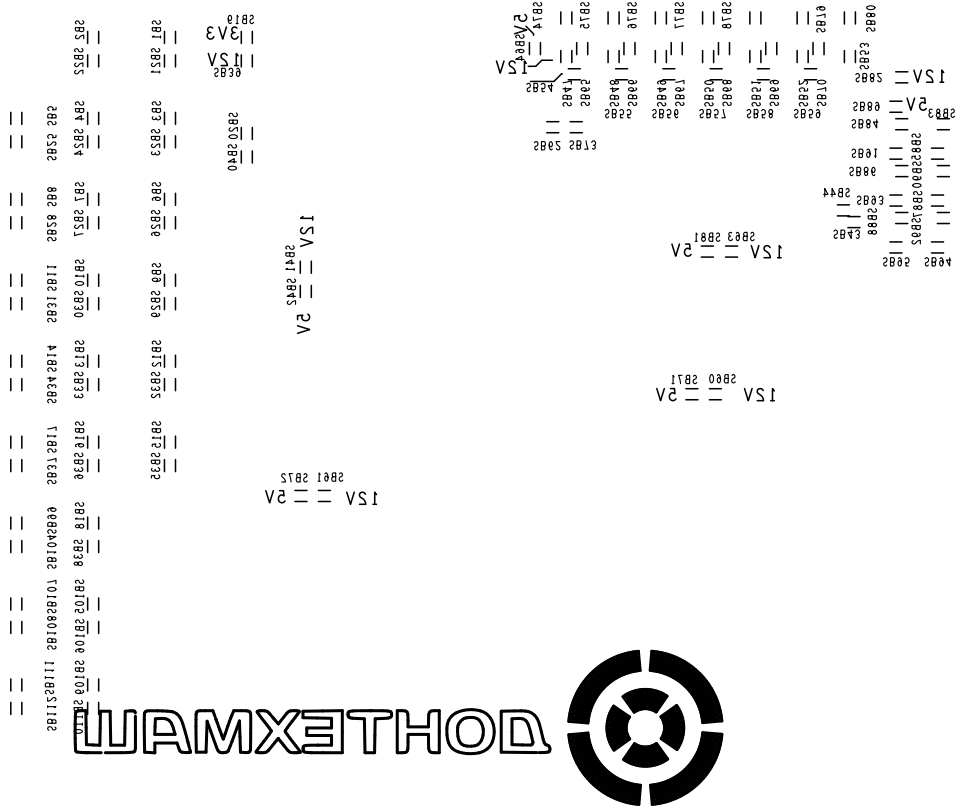
ART FILM - SMASK_TOP

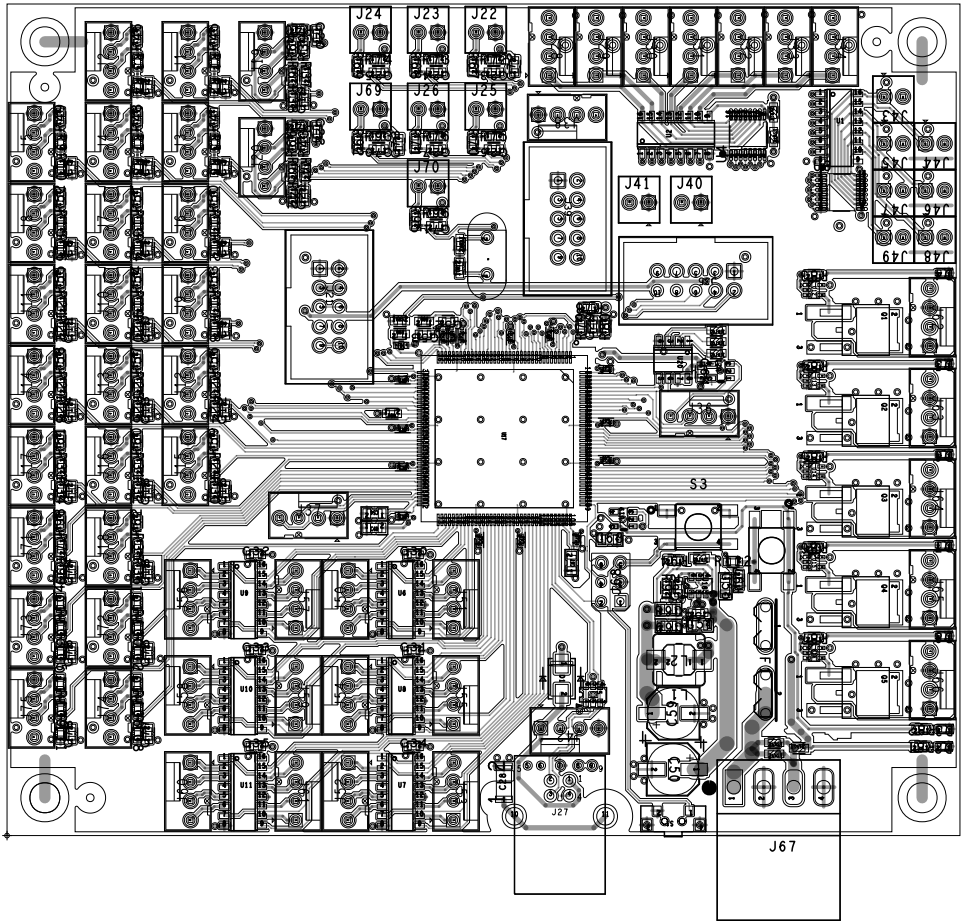
ART FILM - SMASK_BOT



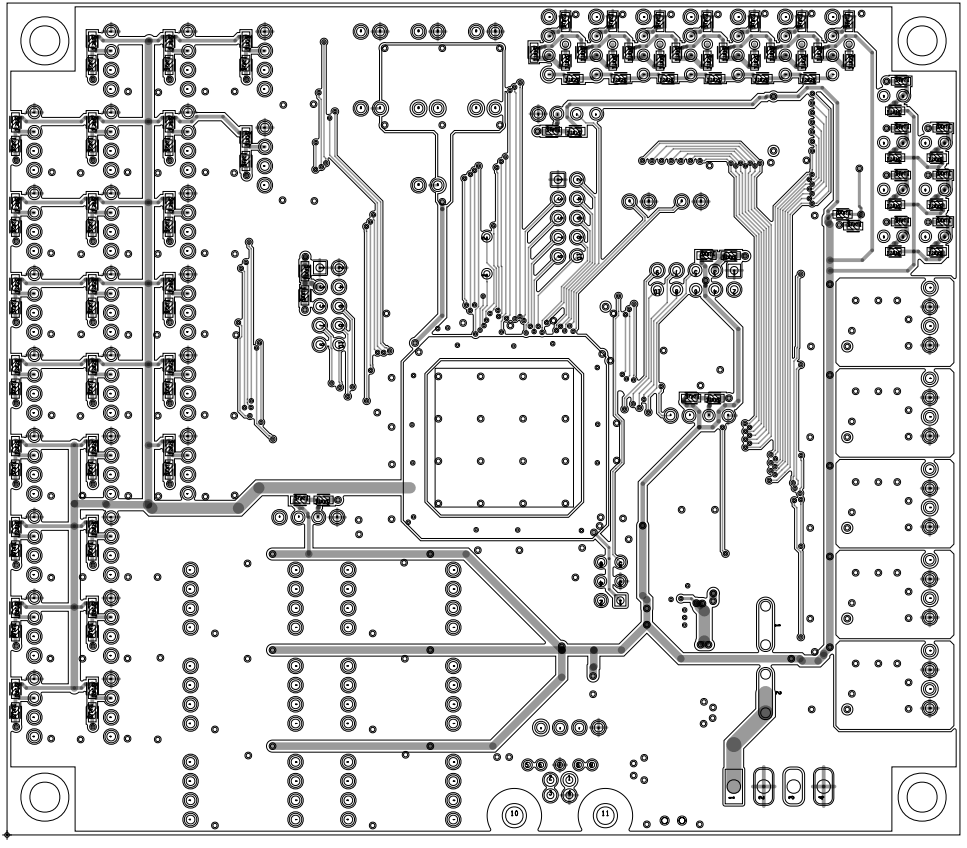
ART FILM - SMASK_BOT


JINT-A-01.00.0020
SPI1
SPI3
I2C 1
I2C 2
EXP
RST
BOOT0
SWCLK
SWDIO
GND
3V3
RST
GND
GND
+12


DOHTEXMWA

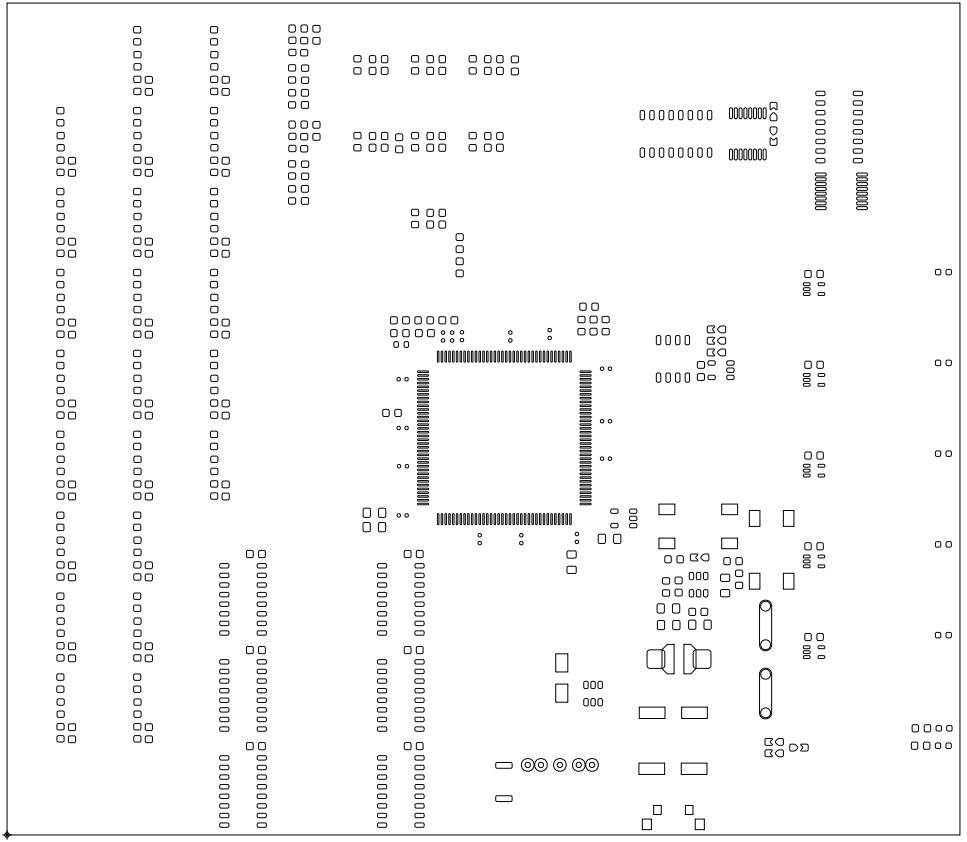

J24
J23
J22
J69
J26
J25
J70
J41
J40
J43
J44
J45
J46
J47
J48
J49
S3
U5
U6
U10
U9
U11
U7
J27
J67

ART FILM - bot-ass

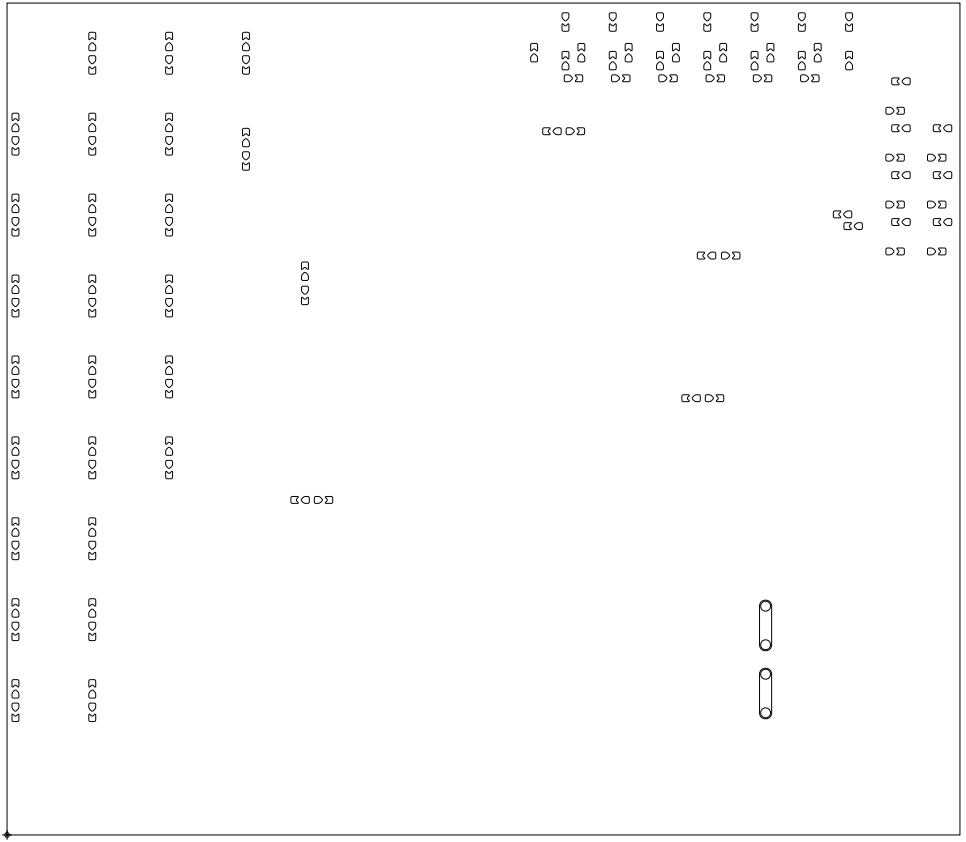


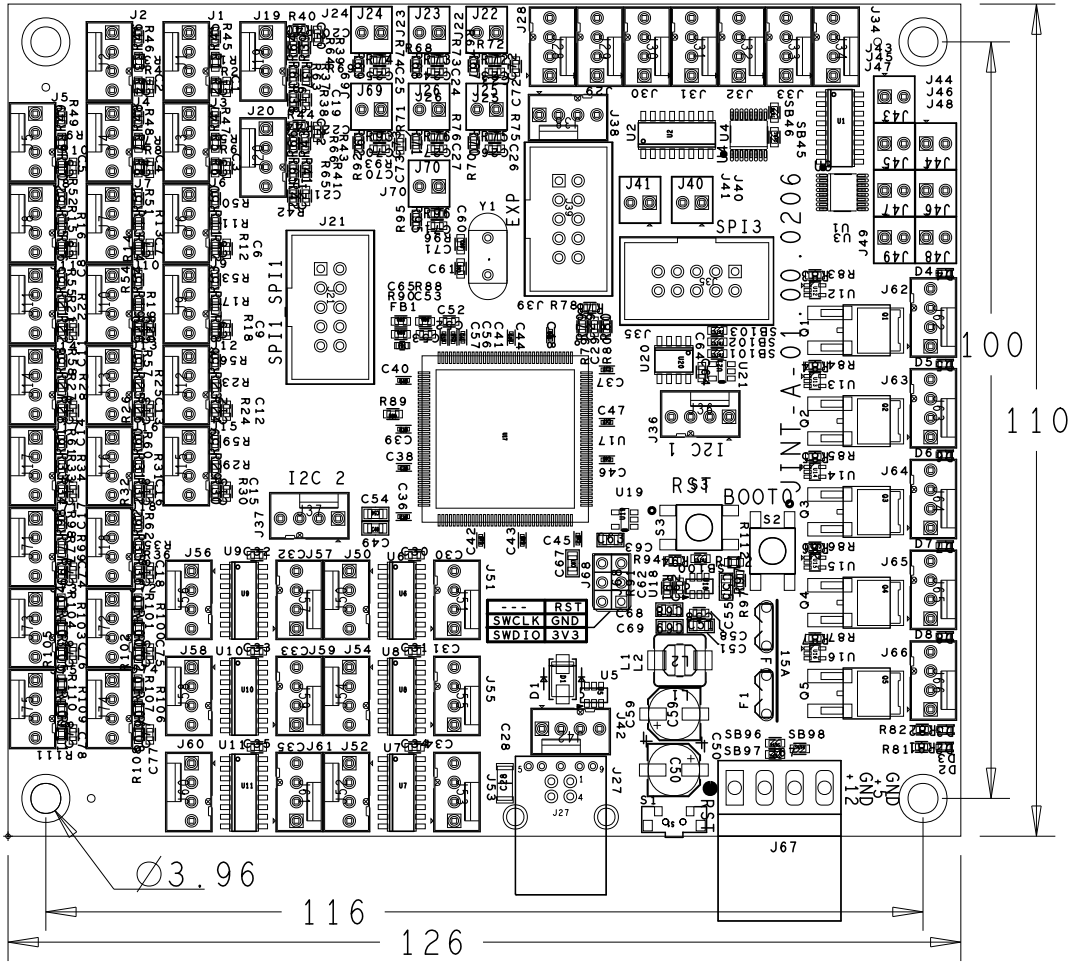
ART FILM - bot-ass

ART FILM - PMASK_TOP



ART FILM - PMASK_TOP




100
110
116
126
∅3.96
SPI1
SPI3
I2C 1
I2C 2
EXP
RST
BOOT0
SWCLK
SWDIO
GND
3V3
J67

ADC3_THERMO

PF6_IN4	GND
PF5_IN15	GND
PF4_IN14	GND
PF9_IN7	GND
PF8_IN6	GND
PF7_IN5	GND
PF10_IN8	GND

FAN 1---8

nc	nc	nc	nc	nc	nc	nc
nc_GND	nc_GND	nc_GND	nc_GND	nc_GND	nc_GND	nc_GND
12V_5V	12V_5V	12V_5V	12V_5V	12V_5V	12V_5V	12V_5V
PG9	PG10	PG11	PG12	PG13	PG14	PG15

SERVO

GND	3V_5V	PE4	---

EXP

GND	PE5
PF3	PE6
PF2	PC13
PF1	PC14
PF0	PC15

SPI_1

GND	GND
3V_5V	3V_5V
PA5_SCK	PA5_SCK
PA4_NSS	PC4_SS1
PA6_MISO	PA6_MISO

NO_Sd

PE3	GND

PE2	GND

FILAMENT SPI_3

PB4_MISO	PB5_MOSI	PB3_SCK	3V_5V	GND
PB6	PB7	PE0	PE1	PDR

RELAY 1---8

PD1	12V_5V
PD3	12V_5V
PD2	12V_5V
PD5	12V_5V
PD4	12V_5V
PD7	12V_5V
PD6	12V_5V

ENDSTOPS

GND	GND	GND	GND	GND	GND
3V_12V	3V_12V	3V_12V	3V_12V	3V_12V	3V_12V
PA1	PA0	PC5	PA3	PA2	PF11
nc	nc	nc	nc	nc	nc

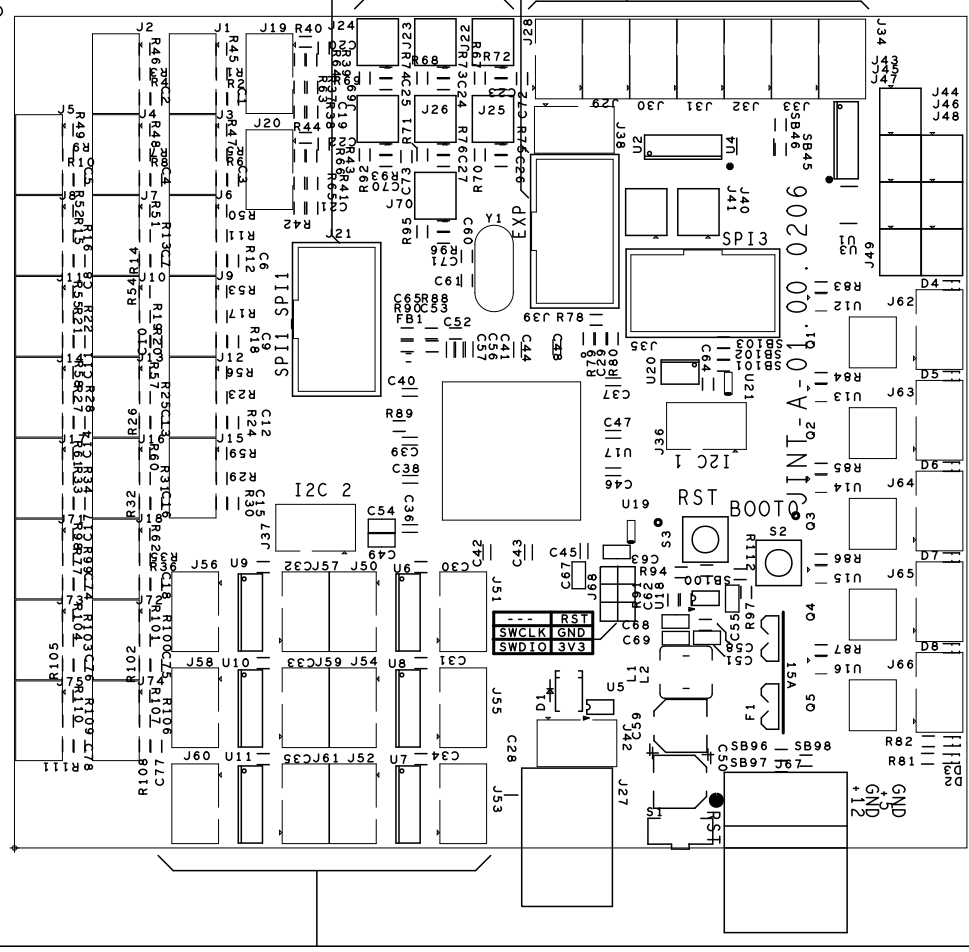
GND	GND	GND	GND	GND	GND
3V_12V	3V_12V	3V_12V	3V_12V	3V_12V	3V_12V
PF15	PF13	PF12	PE7	PG1	PG0
nc	nc	nc	nc	nc	nc

GND	GND	GND	GND	GND	GND
3V_12V	3V_12V	3V_12V	3V_12V	3V_12V	3V_12V
PE10	PE9	PE8	PE11	PE12	PE13
nc	nc	nc	nc	nc	nc

GND	GND	GND	GND	GND	GND
3V_12V	3V_12V	3V_12V	3V_12V	3V_12V	3V_12V
PE14	PE15	PB12			
nc	nc	nc			

ENCODERS

GND	GND	GND	GND
3V_12V	3V_12V	3V_12V	3V_12V
PC0	PC1	PC2	PC3



HEAT 1---5

12V	PD0_HEAT1
12V	PD0_HEAT1
12V	PC12_HEAT2
12V	PC12_HEAT2
12V	PC11_HEAT3
12V	PC11_HEAT3
12V	PC10_HEAT4
12V	PC10_HEAT4
12V	PA15_HEAT5
12V	PA15_HEAT5

PB15_E-STEP0	PB14_E-DIR1	PD11_X-STEP	PD10_Y-DIR
PB15\E-STEP0	PB14\E-DIR1	PD11\X-STEP	PD10\Y-DIR
PD8\E-DIR0	PD9\E-STEP1	PD12\X-DIR	PD13\Y-STEP
PD8_E-DIR0	PD9_E-STEP1	PD12_X-DIR	PD13_Y-STEP

PD15_PRE-STEP0	PD14_PRE-DIR1	PG5_Z-STEP2	PG4_Z-DIR3
PD15\PRE-STEP0	PD14\PRE-DIR1	PG5\Z-STEP2	PG4\Z-DIR3
PG2\PRE-DIR0	PG3\PRE-STEP1	PG6\Z-DIR2	PG7\Z-STEP3
PG2_PRE-DIR0	PG3_PRE-STEP1	PG6_Z-DIR2	PG7_Z-STEP3

PC6_PRE-STEP2	PG8_PRE-DIR3	PA8_Z-STEP0	PC9_Z-DIR1
PC6\PRE-STEP2	PG8\PRE-DIR3	PA8\Z-STEP0	PC9\Z-DIR1
PC7\PRE-DIR2	PC8\PRE-STEP3	PA9\Z-DIR0	PA10\Z-STEP1
PC7_PRE-DIR2	PC8_PRE-STEP3	PA9_Z-DIR0	PA10_Z-STEP1