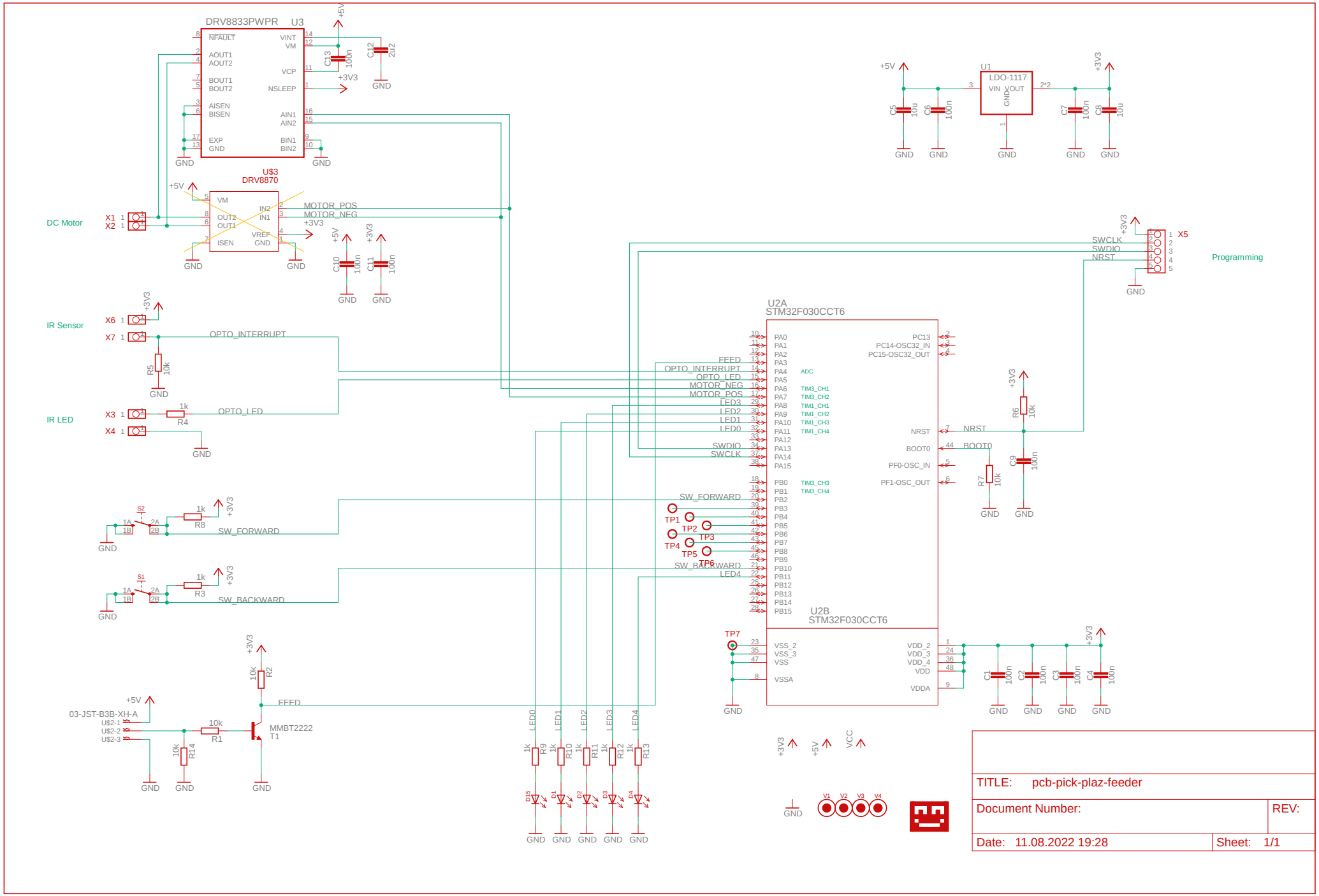
DRV8833PWPR U3
NFAULT
AOUT1
AOUT2
BOUT1
BOUT2
AISEN
BISEN
EXP
GND
VINT
VM
VCP
NSLEEP
AIN1
AIN2
BIN1
BIN2
C13 100n
C12 2u2
+5V
+3V3
GND
U$3
DRV8870
VM
OUT2
OUT1
ISEN
IN2
IN1
VREF
GND
MOTOR_POS
MOTOR_NEG
C10 100n
C11 100n
DC Motor
X1
X2
IR Sensor
X6
X7
OPTO_INTERRUPT
R5 10k
IR LED
X3
X4
1k
R4
OPTO_LED
S2
S1
1A
1B
2A
2B
R8 1k
R3 1k
SW_FORWARD
SW_BACKWARD
R2 10k
FEED
MMBT2222
T1
R1 10k
R14 10k
03-JST-B3B-XH-A
U$2-1
U$2-2
U$2-3
R9 1k
R10 1k
R11 1k
R12 1k
R13 1k
LED0
LED1
LED2
LED3
LED4
D15
D1
D2
D3
D4
U1
LDO-1117
VIN
VOUT
2*2
C5 10u
C6 100n
C7 100n
C8 10u
X5
Programming
SWCLK
SWDIO
NRST
U2A
STM32F030CCT6
PA0
PA1
PA2
PA3
PA4 ADC
PA5
PA6 TIM3_CH1
PA7 TIM3_CH2
PA8 TIM1_CH1
PA9 TIM1_CH2
PA10 TIM1_CH3
PA11 TIM1_CH4
PA12
PA13
PA14
PA15
PB0 TIM3_CH3
PB1 TIM3_CH4
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PC13
PC14-OSC32_IN
PC15-OSC32_OUT
NRST
BOOT0
PF0-OSC_IN
PF1-OSC_OUT
R6 10k
R7 10k
C9 100n
TP1
TP2
TP3
TP4
TP5
TP6
TP7
U2B
STM32F030CCT6
VSS_2
VSS_3
VSS
VSSA
VDD_2
VDD_3
VDD_4
VDD
VDDA
C1 100n
C2 100n
C3 100n
C4 100n
VCC
V1
V2
V3
V4
TITLE: pcb-pick-plaz-feeder
Document Number:
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Date: 11.08.2022 19:28
Sheet: 1/1