SCHEMATIC DIAGRAMS

PRODUCT NAME AP03A STM32 MCU

UNIT NAME

UNIT NO. DTNSTM32MCU0
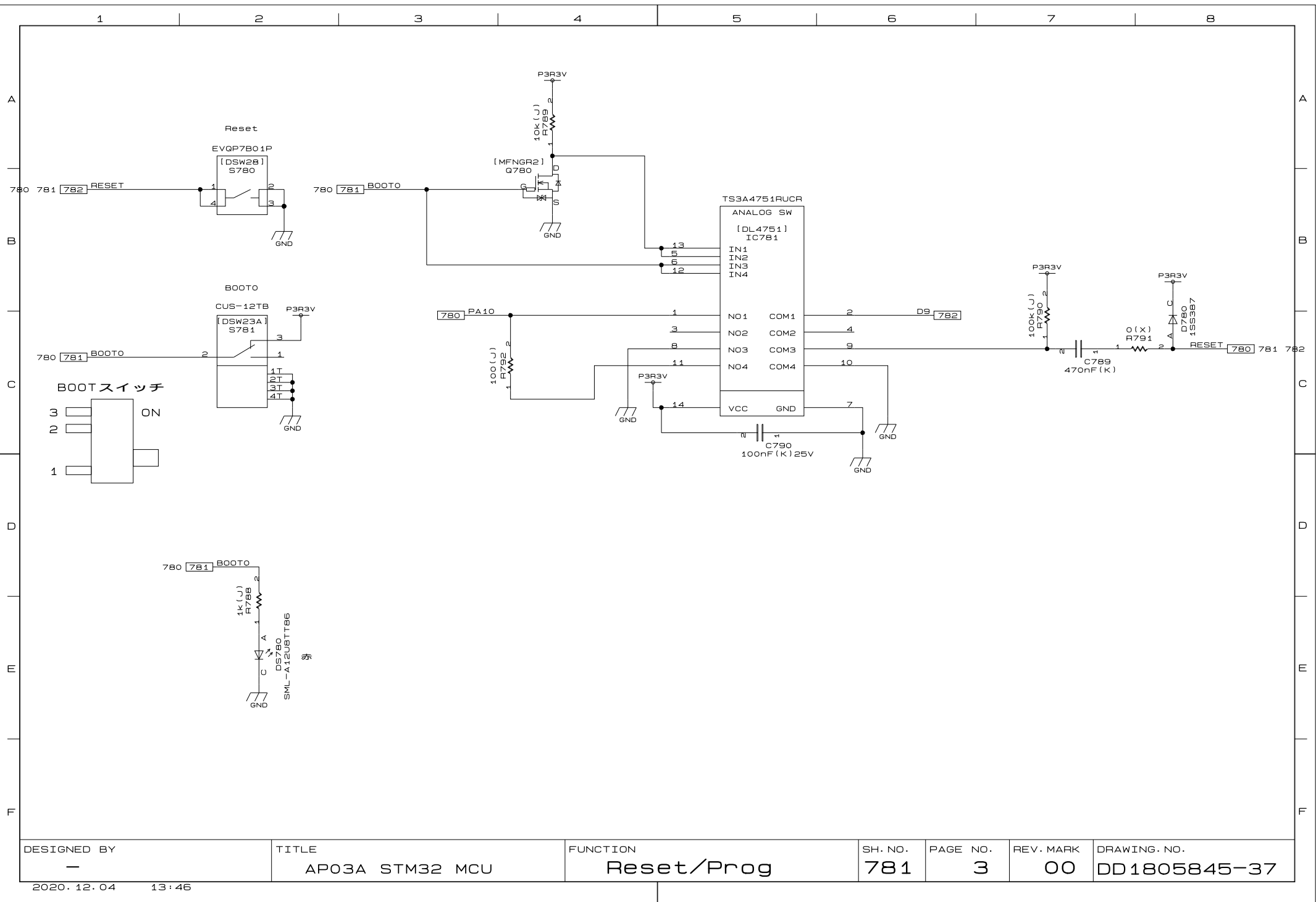
PWA NAME

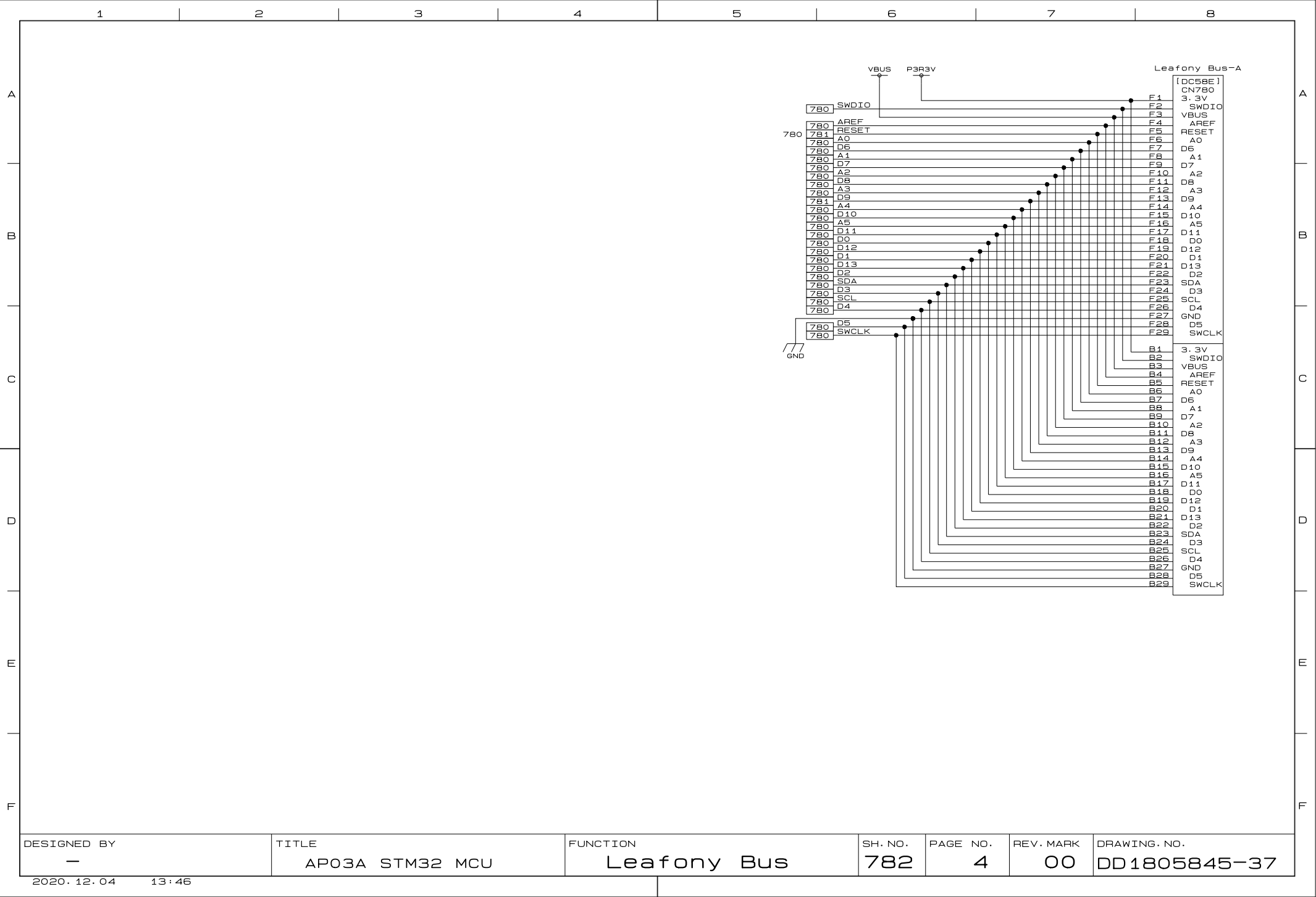PWA NO.

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STM32L452REI6

MCU

[DU32L452A]
IC780

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Reset
EVQP7B01P
[DSW28]
S780

780 781 [782] RESET

780 [781] BOOT0

BOOT0
CUS-12TB
[DSW23A]
S781
P3R3V

780 [781] BOOT0

BOOT
3
2
1
ON

780 [781] BOOT0

1K(J)
R788

DS780
SML-A12U8TT86

GND

P3R3V
10K(J)
R789

[MFNGR2]
Q780
G D S

GND

780 PA10

100(J)
R792

P3R3V

GND

TS3A4751RUCR
ANALOG SW
[DL4751]
IC781

IN1 13
IN2 5
IN3 6
IN4 12

NO1 1   COM1 2
NO2 3   COM2 4
NO3 8   COM3 9
NO4 11   COM4 10

VCC 14   GND 7

C790
100nF(K)25V

GND

D9 [782]

P3R3V
100k(J)
R790

P3R3V
D780
1SS387

0(X)
R791

C789
470nF(K)

RESET [780] 781 782

GND

DESIGNED BY
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TITLE
AP03A STM32 MCU

FUNCTION
Reset/Prog

SH. NO.
781

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Leafony Bus-A

VBUS P3R3V

[DC58E]
CN780

Pin	Signal
F1	3.3V
F2	SWDIO
F3	VBUS
F4	AREF
F5	RESET
F6	A0
F7	D6
F8	A1
F9	D7
F10	A2
F11	D8
F12	A3
F13	D9
F14	A4
F15	D10
F16	A5
F17	D11
F18	D0
F19	D12
F20	D1
F21	D13
F22	D2
F23	SDA
F24	D3
F25	SCL
F26	D4
F27	GND
F28	D5
F29	SWCLK
B1	3.3V
B2	SWDIO
B3	VBUS
B4	AREF
B5	RESET
B6	A0
B7	D6
B8	A1
B9	D7
B10	A2
B11	D8
B12	A3
B13	D9
B14	A4
B15	D10
B16	A5
B17	D11
B18	D0
B19	D12
B20	D1
B21	D13
B22	D2
B23	SDA
B24	D3
B25	SCL
B26	D4
B27	GND
B28	D5
B29	SWCLK

780 SWDIO
780 AREF
780 RESET
781 A0
780 D6
780 A1
780 D7
780 A2
780 D8
780 A3
780 D9
781 A4
780 D10
780 A5
780 D0
780 D11
780 D1
780 D12
780 D13
780 D2
780 SDA
780 D3
780 SCL
780 D4
780 D5
780 SWCLK

GND

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