Font Panel PCB

Power Switch
SB1,Q1,Q2
- 12v
- PWR_ON
- PWR_HOLD

Input Fuse/ Filter
FU1,VD5,T1
- 13.8v

7"TFT Module
AT070TN92 +GT911
- LCD_AVDD
- VLED
- VCOM
- 3.3vLCD
- VGH
- VGL

DBB-15 | SYNC | CNTRL | Touch I2C (T_I2C_SDA | T_I2C_SCL | T_INT)

TFT Controller
IC1
RA8875L3N
- 20MHz
- 3.3vLCD
- PWM1

Main Microcontroller
U8
STM32H743VITx
- Battery
- CR1220
- 8MHz
- 32.768kHz
- TFT Controller (DATA | CONTROL)
- PTT_IN

JTAG — JTAG_STM — 3.3vSTM

A/B — X7 ENCODER — 5v

SPI — MicroSD1 — 3.3vSTM

UART — ESP1 ESP-07 — 3.3vSTM

I2C — X3 I2C BUS

DATA/ CTRL — X6 TO MOTHERBOARD — 12v / 5v

SPI — SPI Flash U7 W25Q16JVSSIQ — 3.3vSTM

CODEC
U6
WM8731SEDS
- 3.3vCOD
- DATA/CTRL
- LINE_IN1
- LINE_IN2
- RHP_OUT
- LHP_OUT
- MIC
- RHP_OUT_DAC
- LHP_OUT_DAC
- RHP_OUT
- LHP_OUT

X5 R_BOARD_LIN

XM1 MIC
- PTT_IN

XJ1 Jack3.5 PH

X4 R_BOARD
- 12vRB
- AF_AMP_MUTE | KEY_IN_DOT/_DASH | PTT_IN/_OUT | USB_D-/_D+

ADC (SPI)
U9
MCP3008T-I/SL
- 3.3vSTM

SPI

DC-DC converter
U5
ST1S10
- 5v
- 12v

DC-DC converter
U4
ST1S10
- 3.3vLCD
- 12v

DC-DC converter
U2
MP1541
- LCD_AVDD
- VCOM
- VGH
- VGL
- 3.3vLCD

DC-DC converter
U1
PT4103
- VLED
- 3.3vLCD
- PWM1

LDO Votage Regulator
U3
LM1084IS-3.3V
- 3.3vSTM
- 5v

CODEC Supply Filter
FB4
BLM21
- 3.3vCOD
- 3.3vSTM

R-board Supply Filter
FB5
BLM21
- 12vRB
- 12v