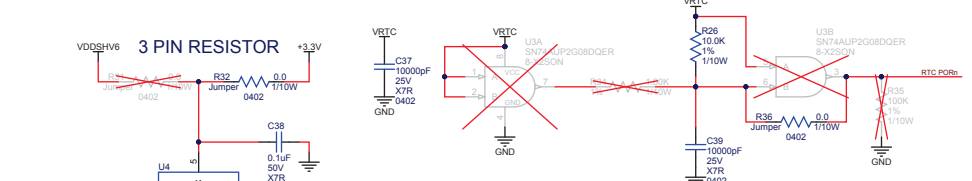
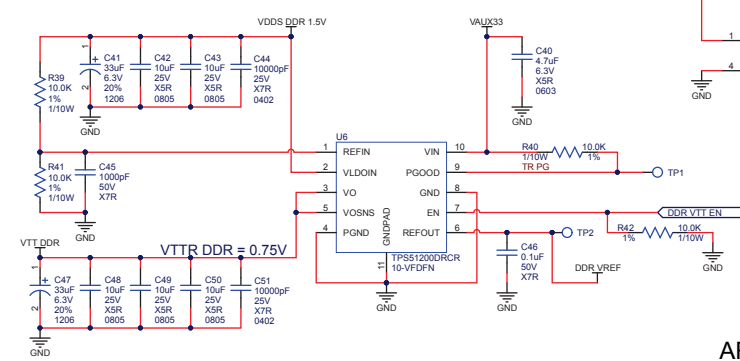


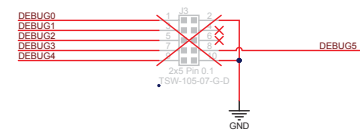
RTC POWER ON RESET



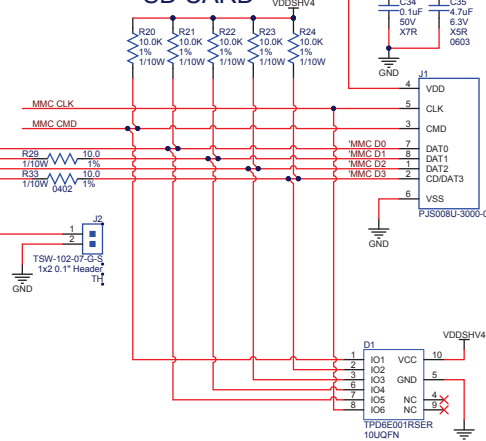
TERMINATION REGULATOR



ARM DEBUG HEADER




DEBUG SD CARD

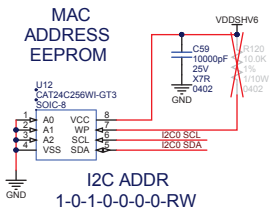
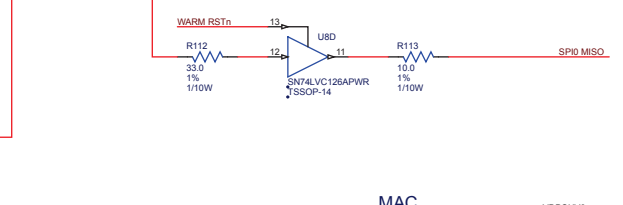
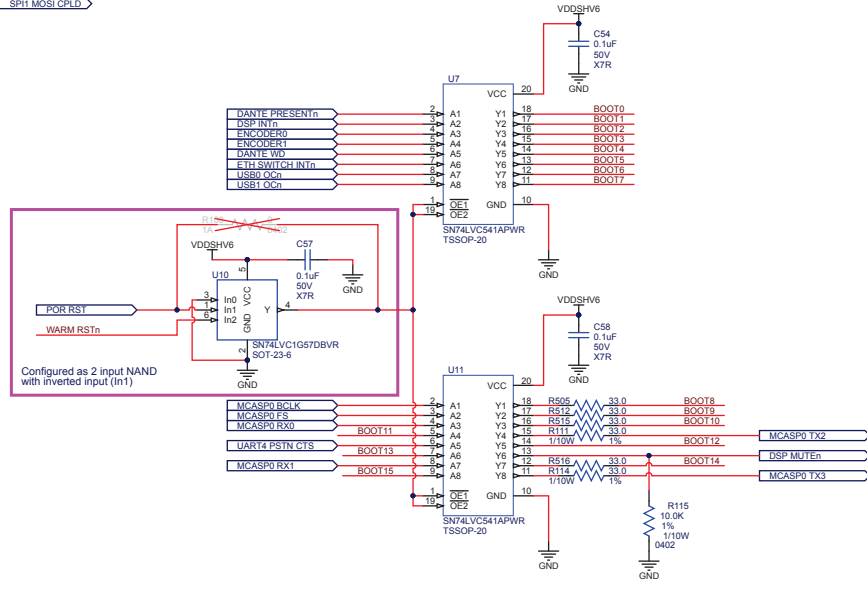
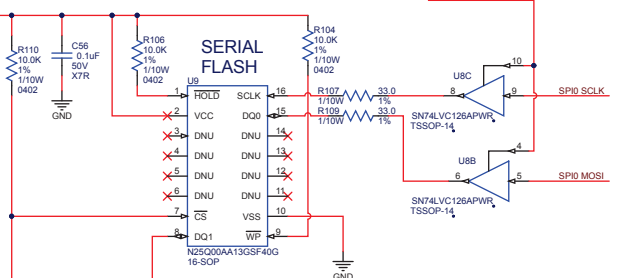
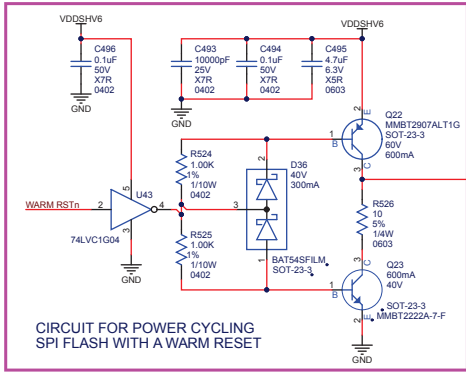
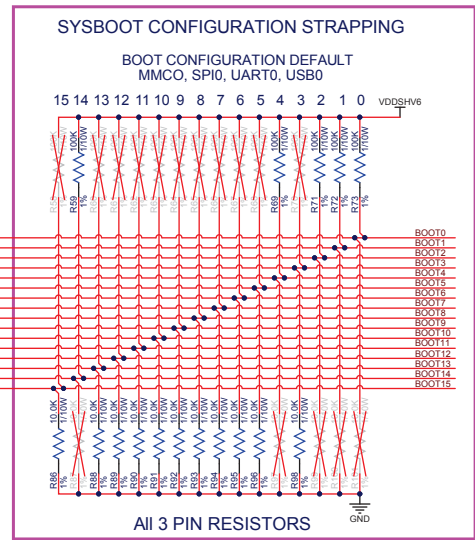
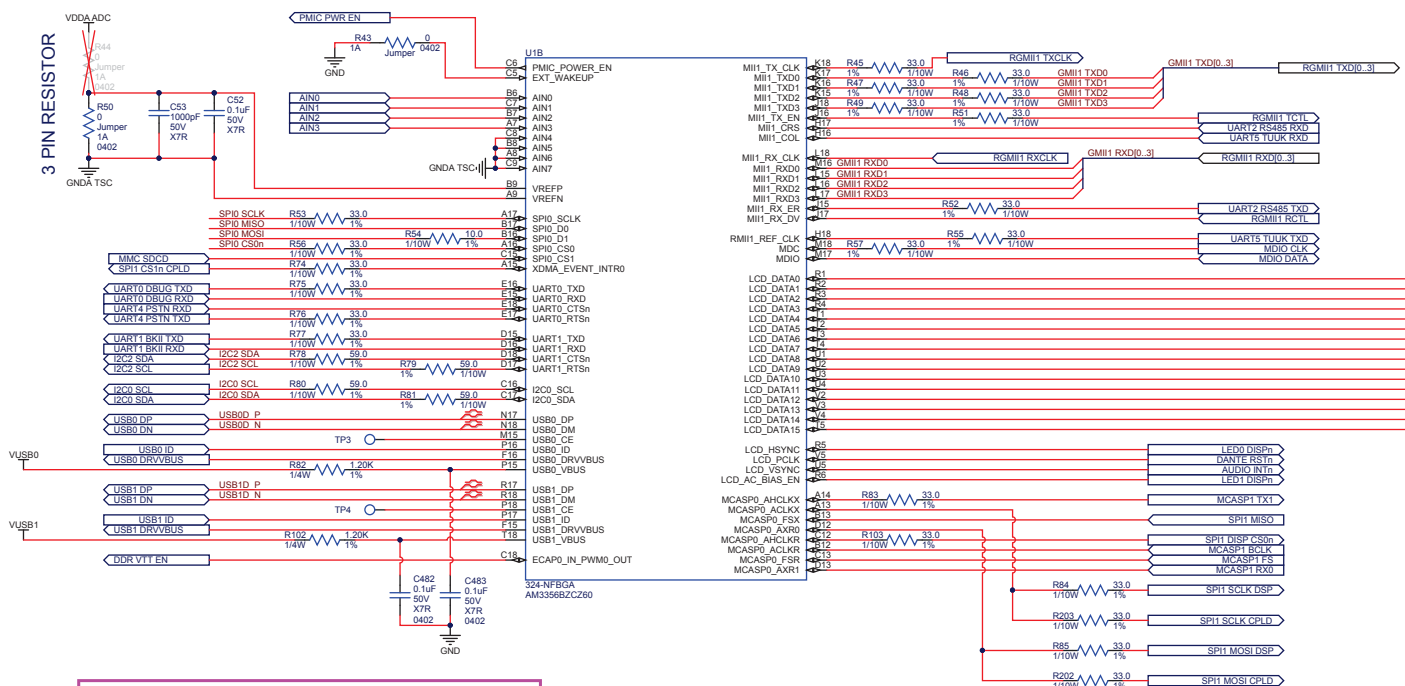


SAFETY CONTROLLED

ControlSpace EX 1280C
 Main PCB Assembly
 PCB P/N: 772390-001S
 Schematic Diagram, Rev. 4.0
 Sheet 2 of 22



ARM AM3556 (1)

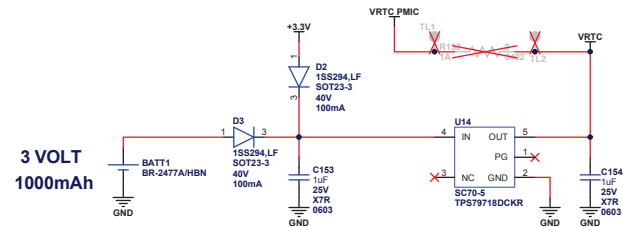
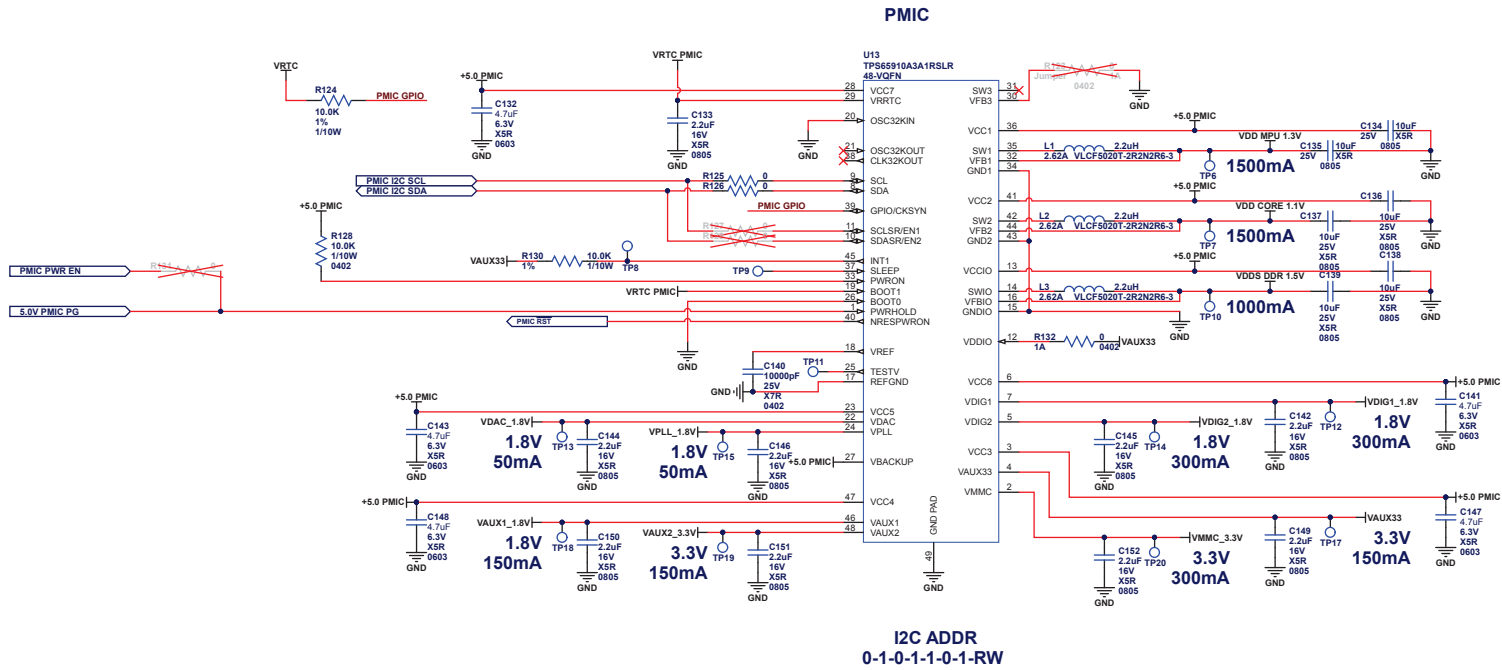


SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 3 of 22



ARM AM3556 (2)

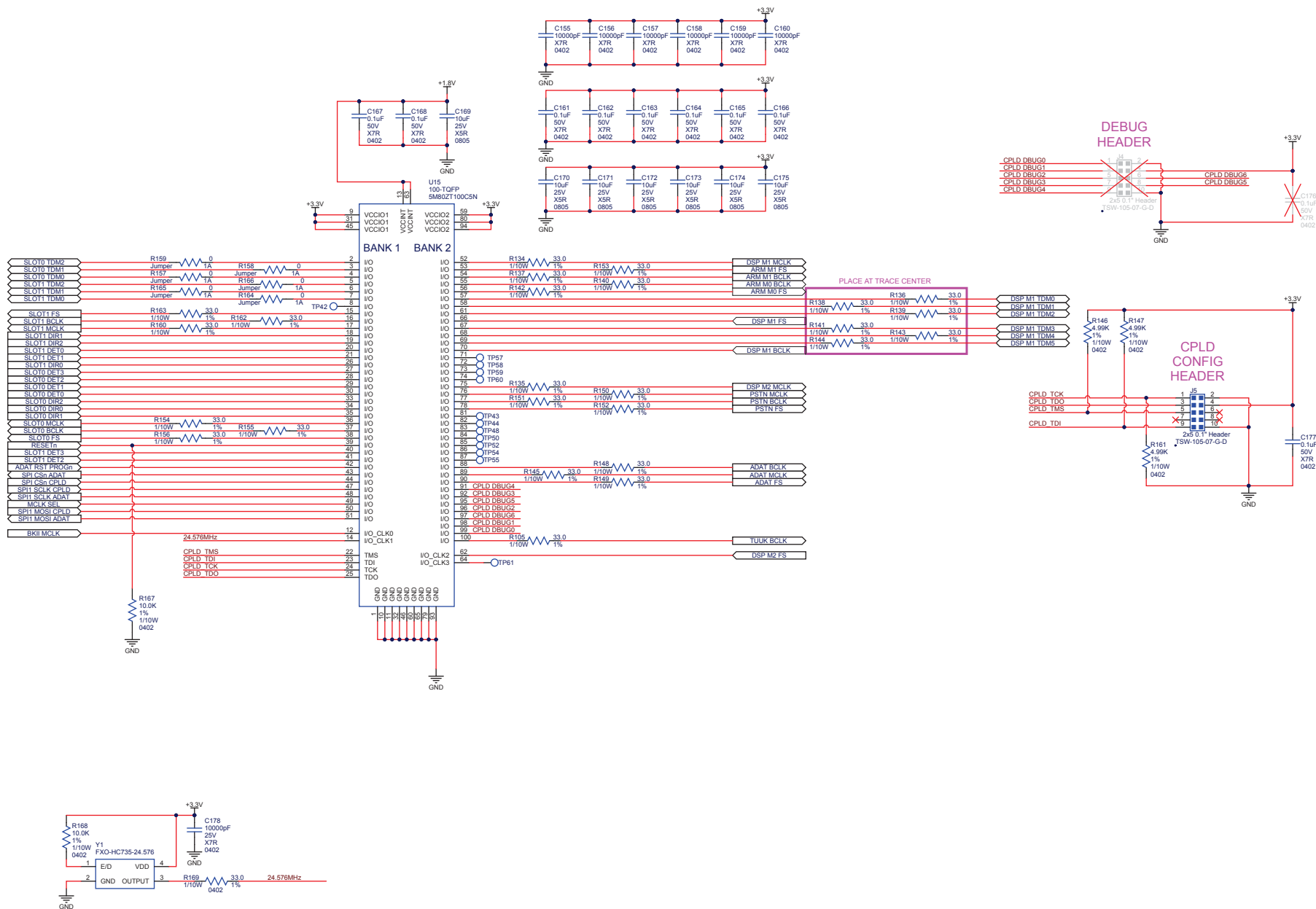


SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 5 of 22




PMIC

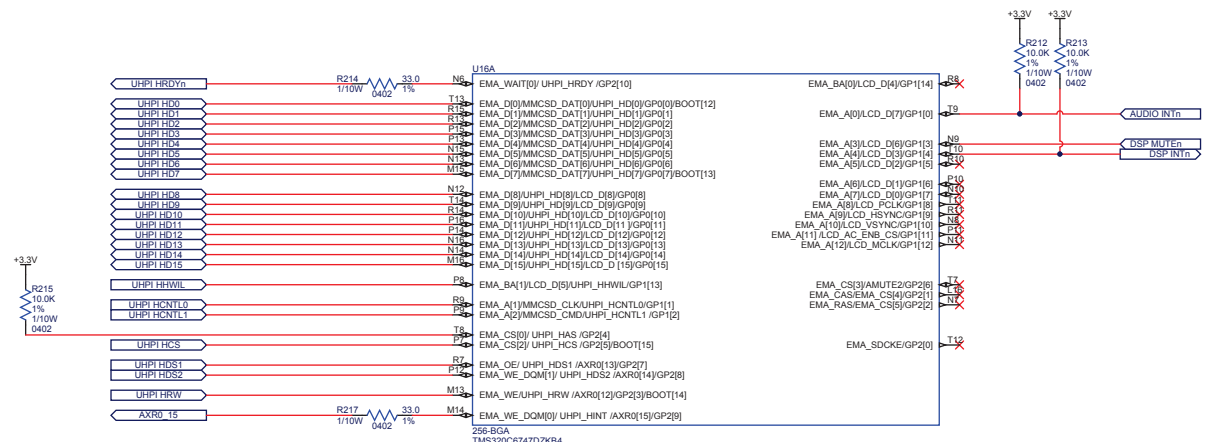
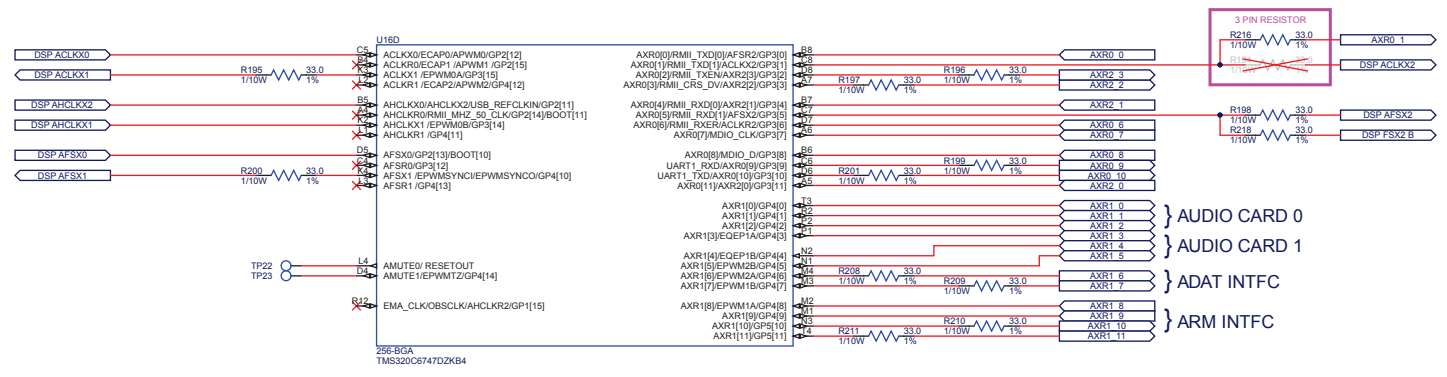


SAFETY CONTROLLED

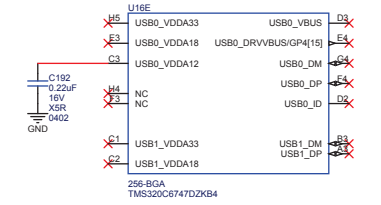
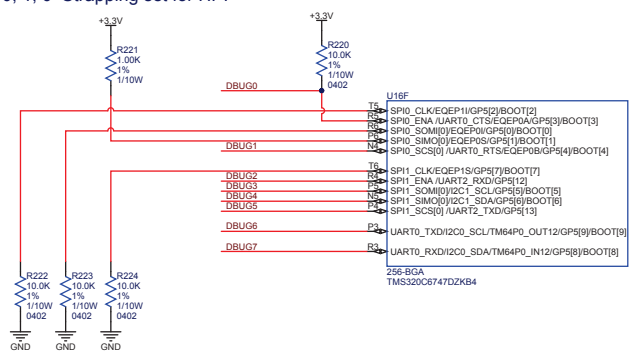
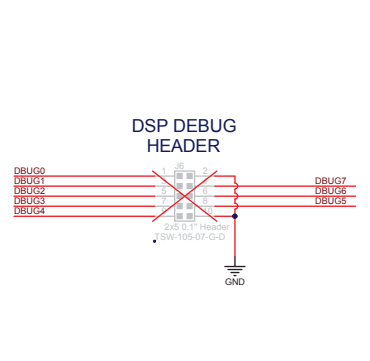
ControlSpace EX 1280C
 Main PCB Assembly
 PCB P/N: 772390-001S
 Schematic Diagram, Rev. 4.0
 Sheet 6 of 22



CPLD



Boot Mode Configuration Bits
7, 3, 2, 1, 0 Others Bits Are Ignored
0, X, 0, 1, 0 Strapping set for HPI

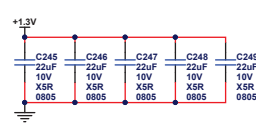
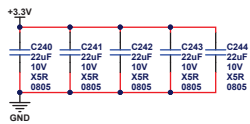
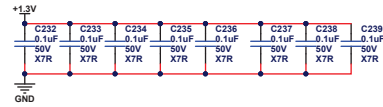
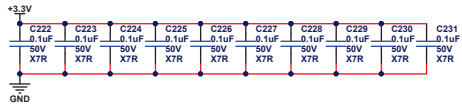
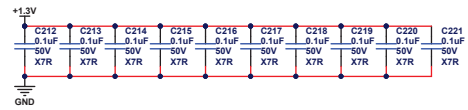
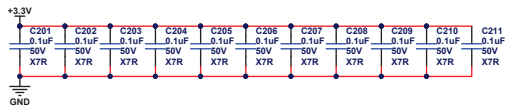
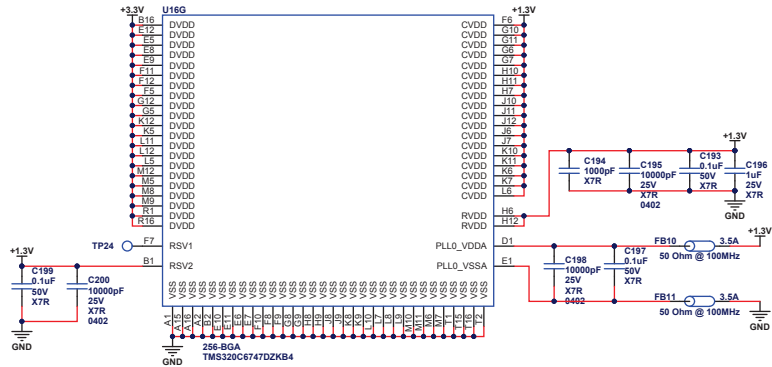


SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 8 of 22

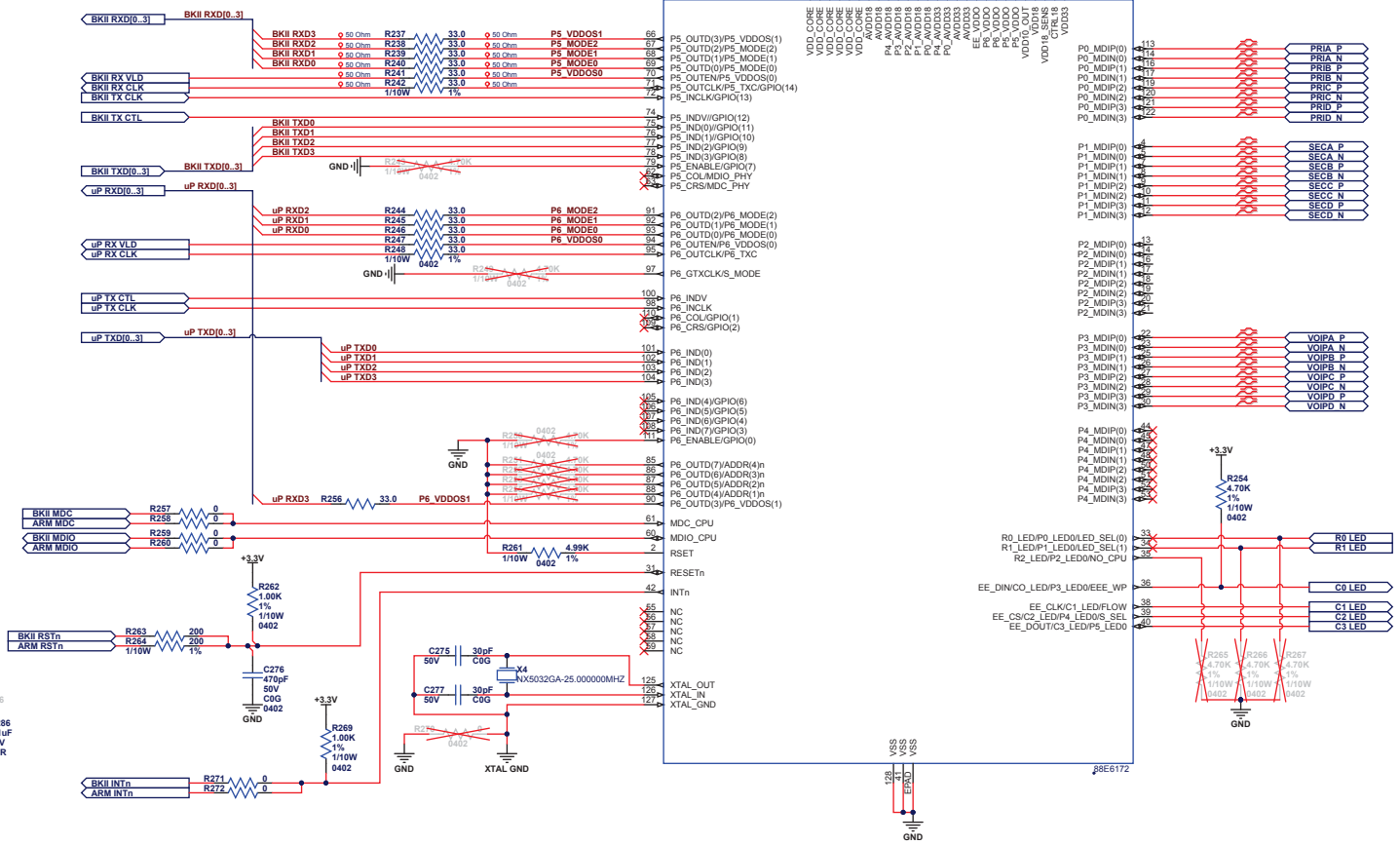
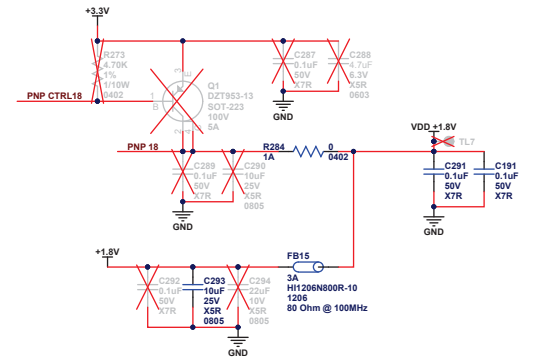
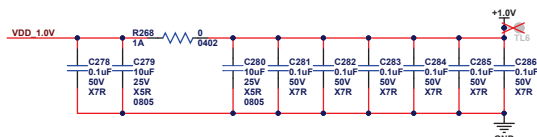
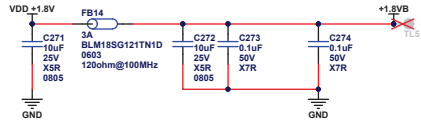
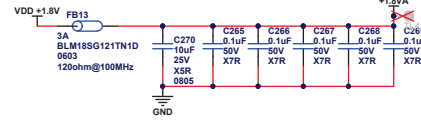
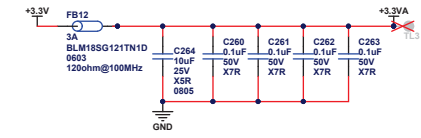
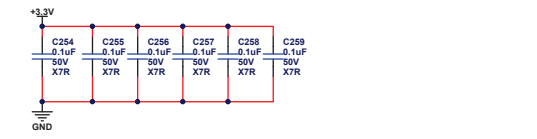


DSP MCASP



SAFETY CONTROLLED





3 PIN CONFIGURATION STRAPPING RESISTORS

VDDOS[1..0]	VDDO VOLTAGE
1 1	2.5V
1 0	3.3V
0 X	1.8V

MODE[2..0]	CONFIGURATION
1 1 1	RGII MODE
1 1 0	PORT DISABLED
1 0 1	RMII MAC MODE
1 0 0	RMII PHY MODE
0 1 1	GMII MODE
0 1 0	MII MAC MODE
0 0 1	MII PHY MODE
0 0 0	RESERVED

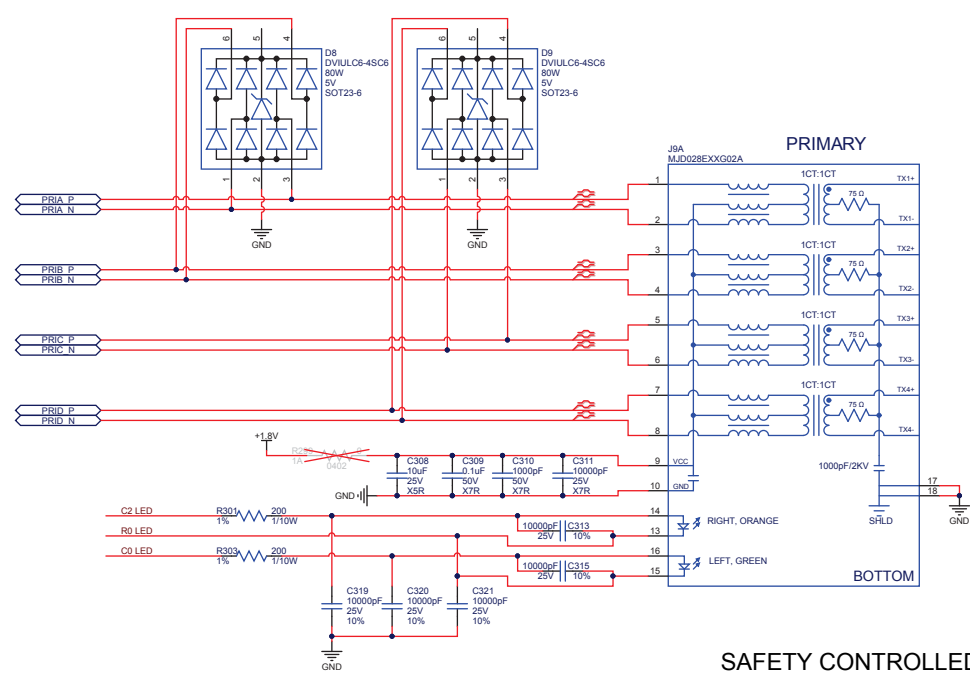
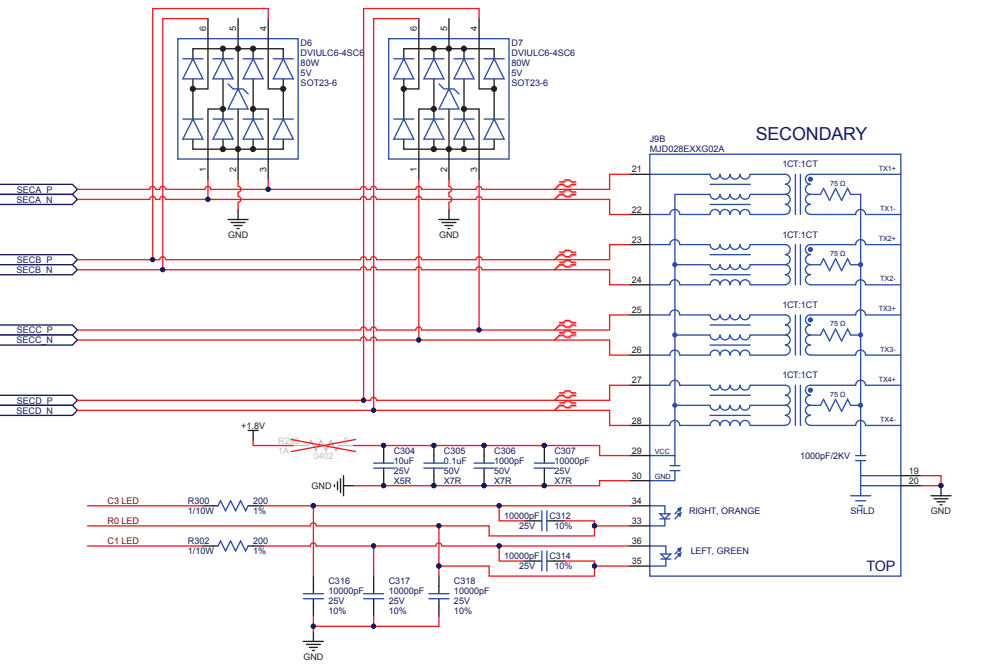
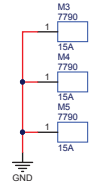
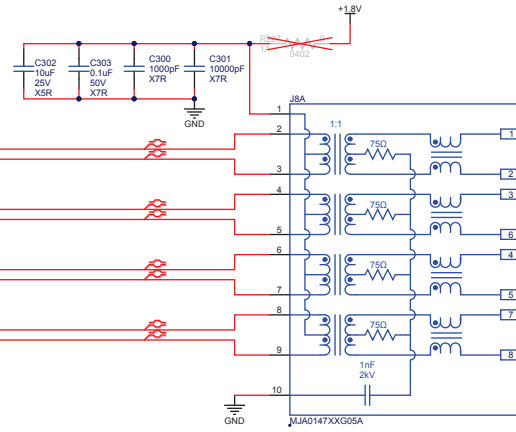
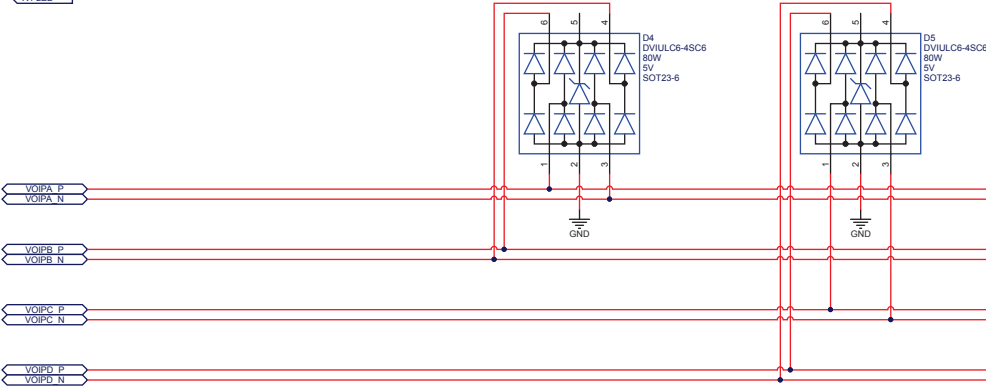
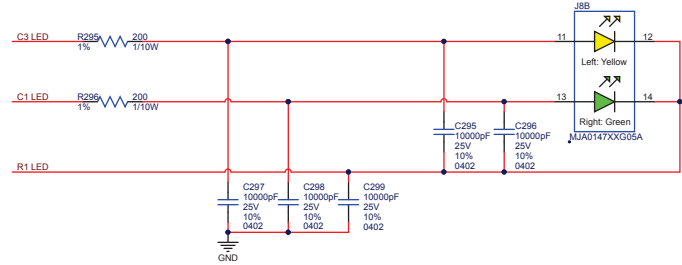
SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 11 of 22



SWITCH

- C0 LED
- C1 LED
- C2 LED
- C3 LED
- R0 LED
- R1 LED



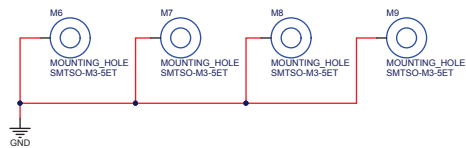
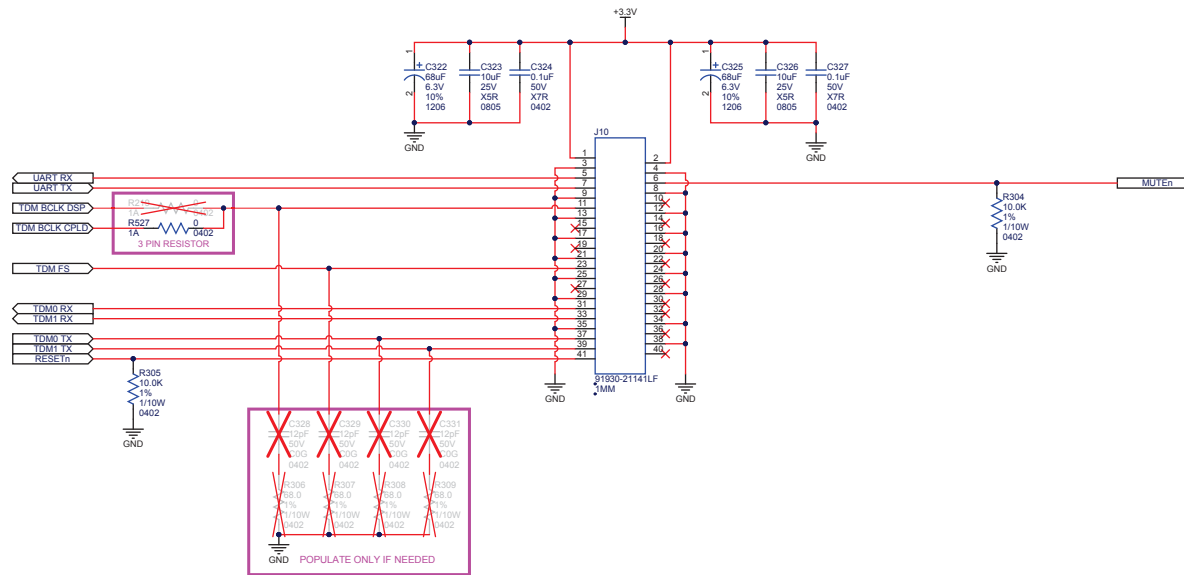
SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 12 of 22



SWITCH RJ45

TUUKKA INTERFACE

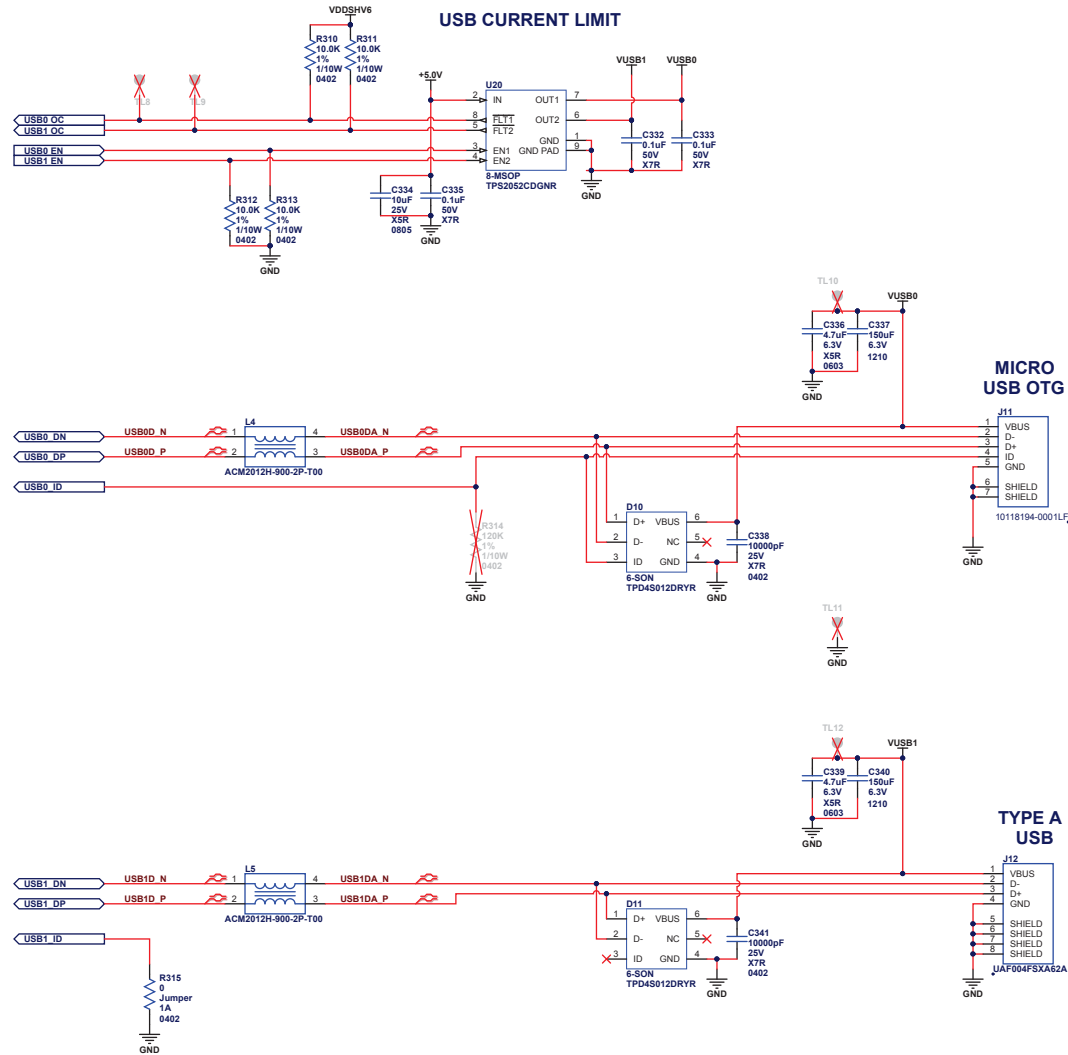


SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 13 of 22



TUUKKA CONN

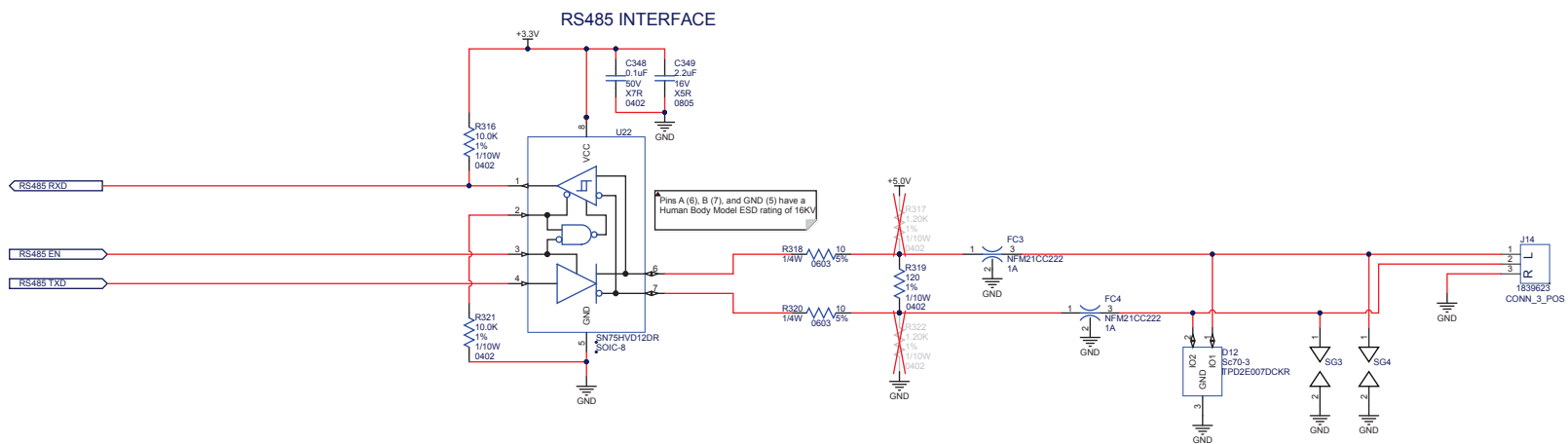
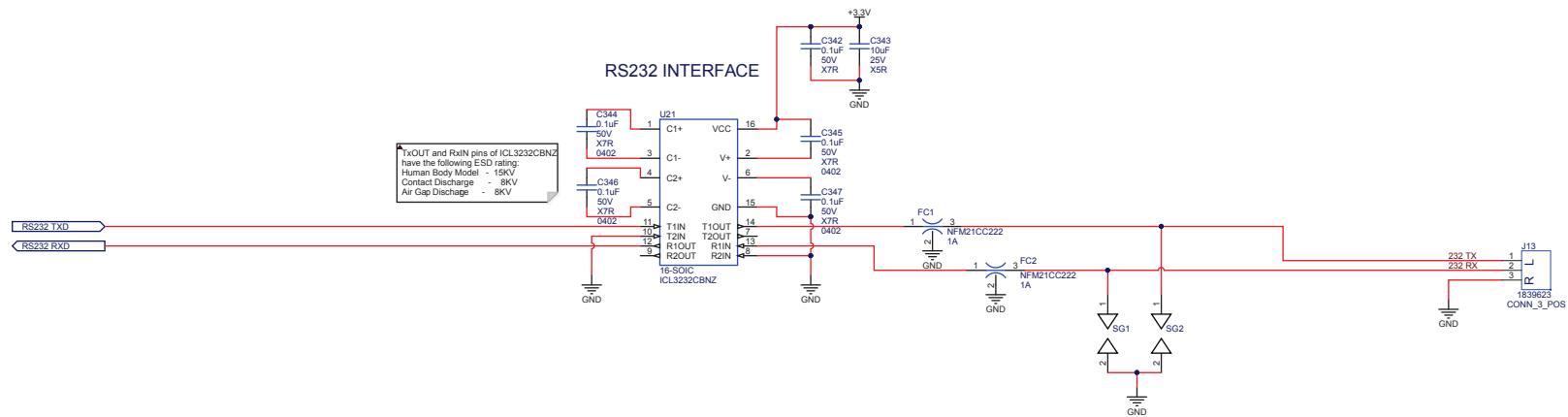


SAFETY CONTROLLED

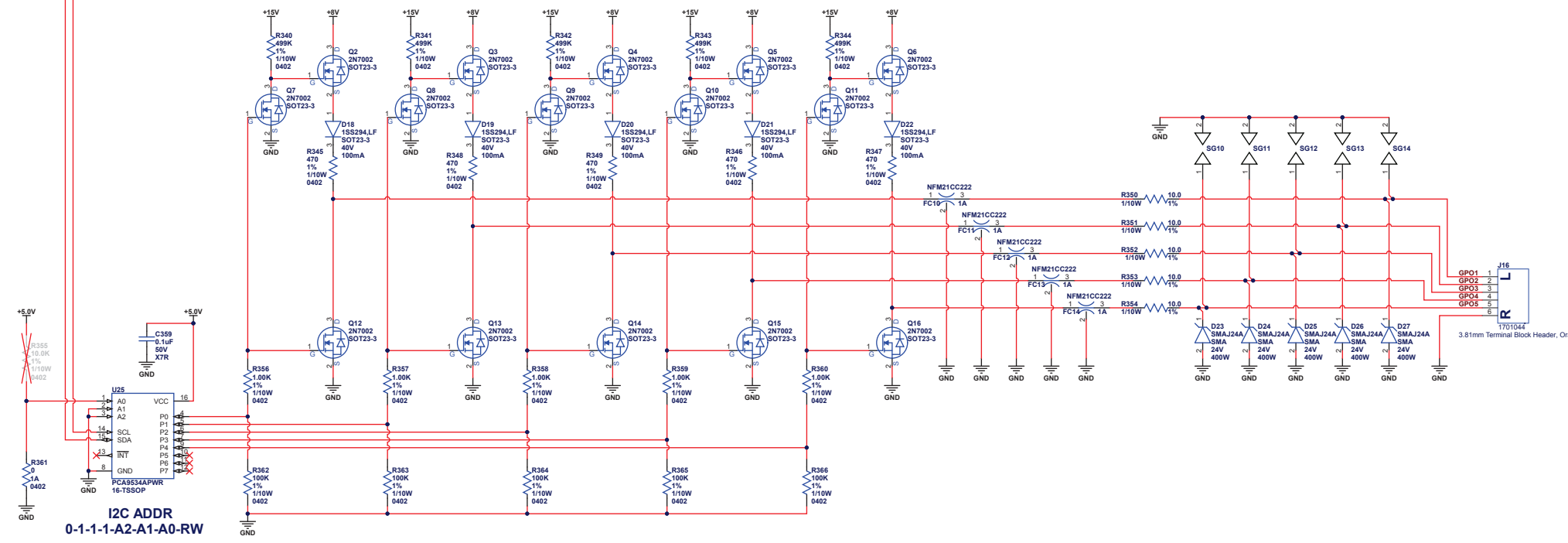
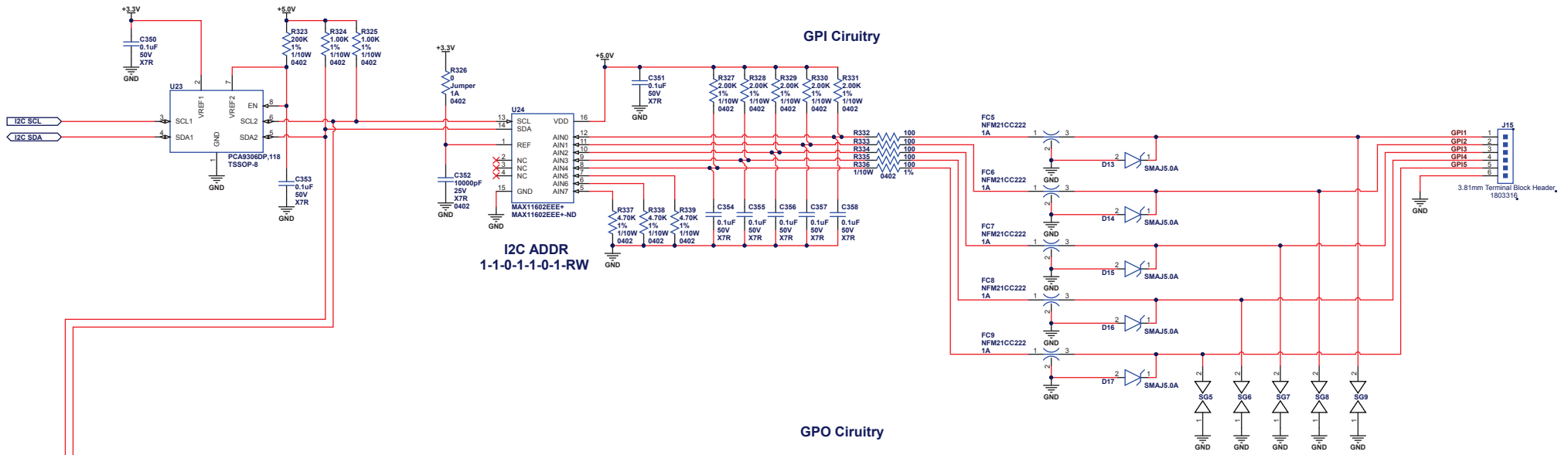
ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 14 of 22



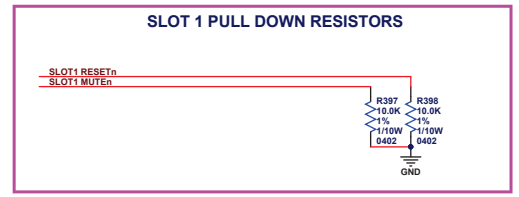
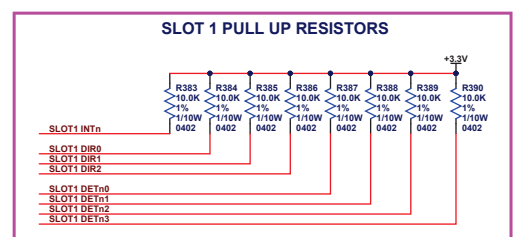
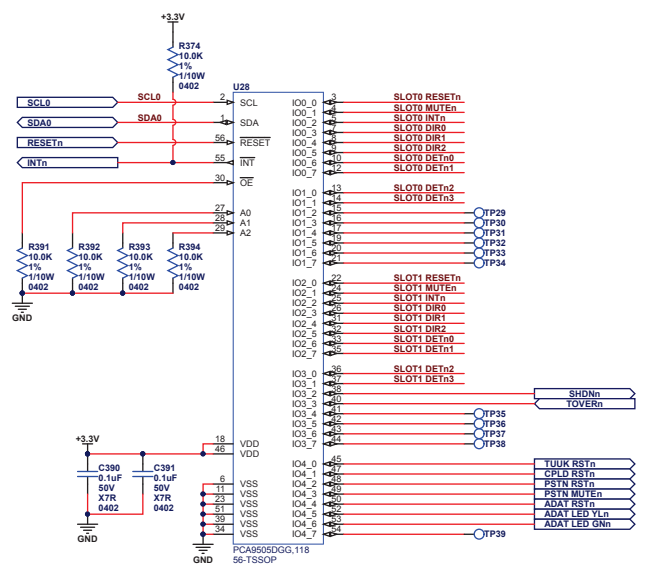
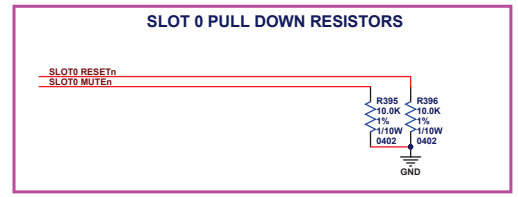
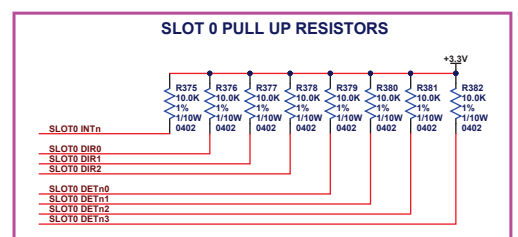
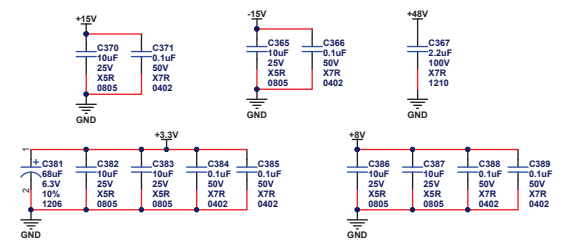
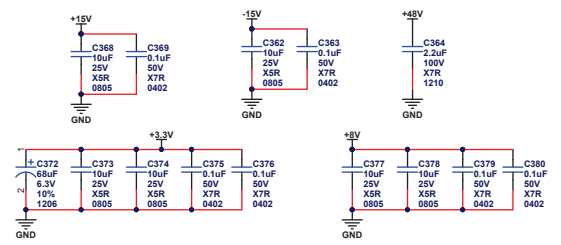
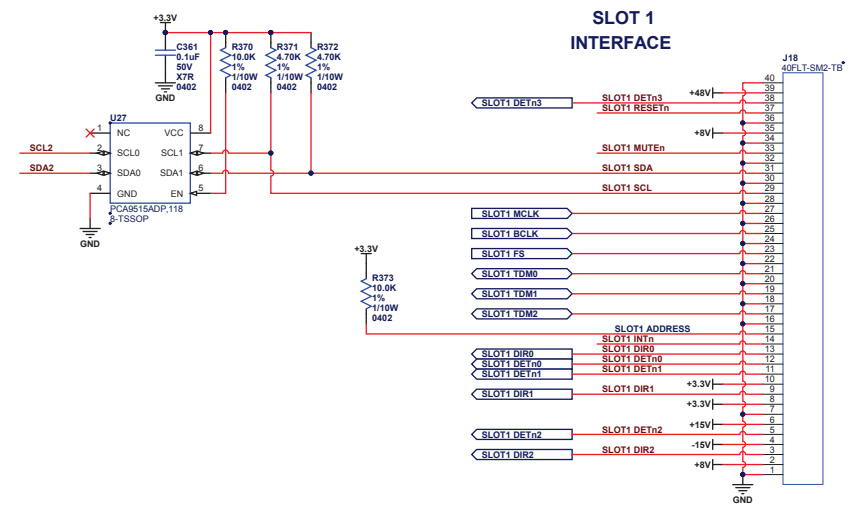
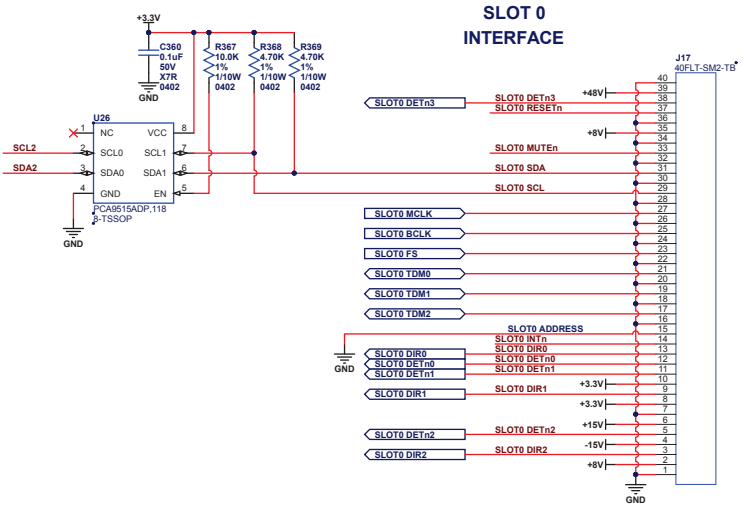
USB



SAFETY CONTROLLED



SAFETY CONTROLLED



I2C ADDR
0-1-0-0-0-0-RW

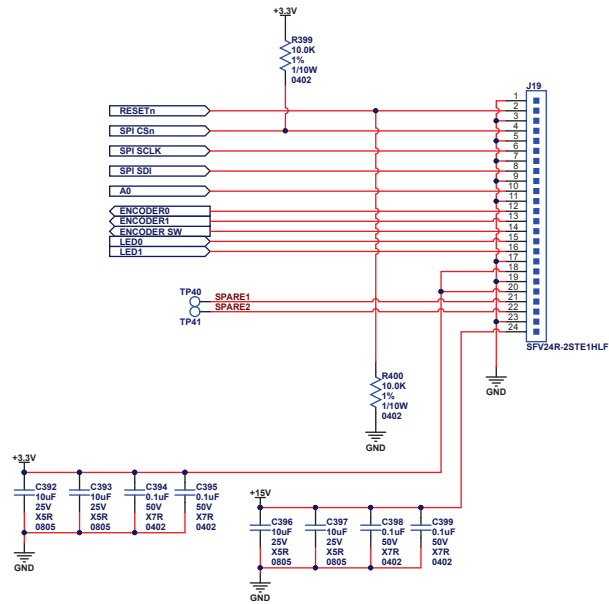
SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 17 of 22



AUDIO CARD CONN

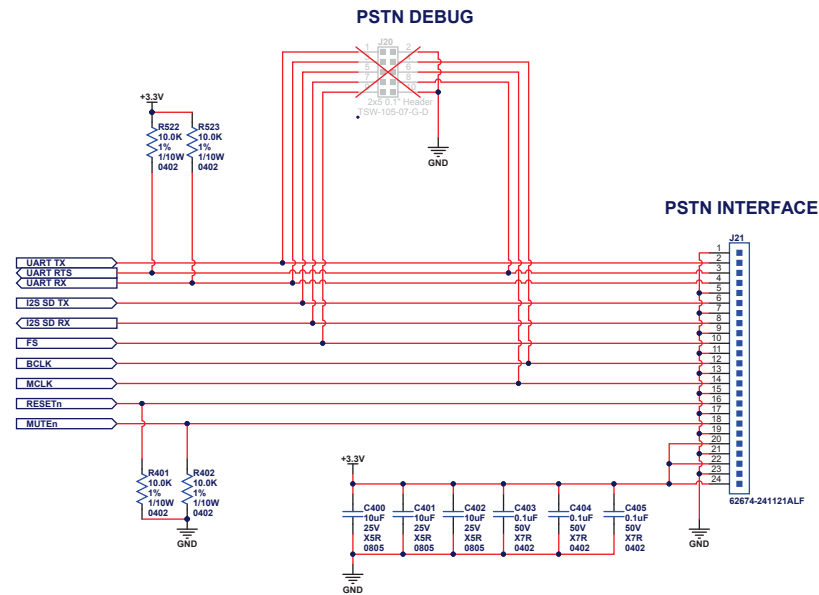
DISPLAY INTERFACE



SAFETY CONTROLLED

ControlSpace EX 1280C
 Main PCB Assembly
 PCB P/N: 772390-001S
 Schematic Diagram, Rev. 4.0
 Sheet 18 of 22



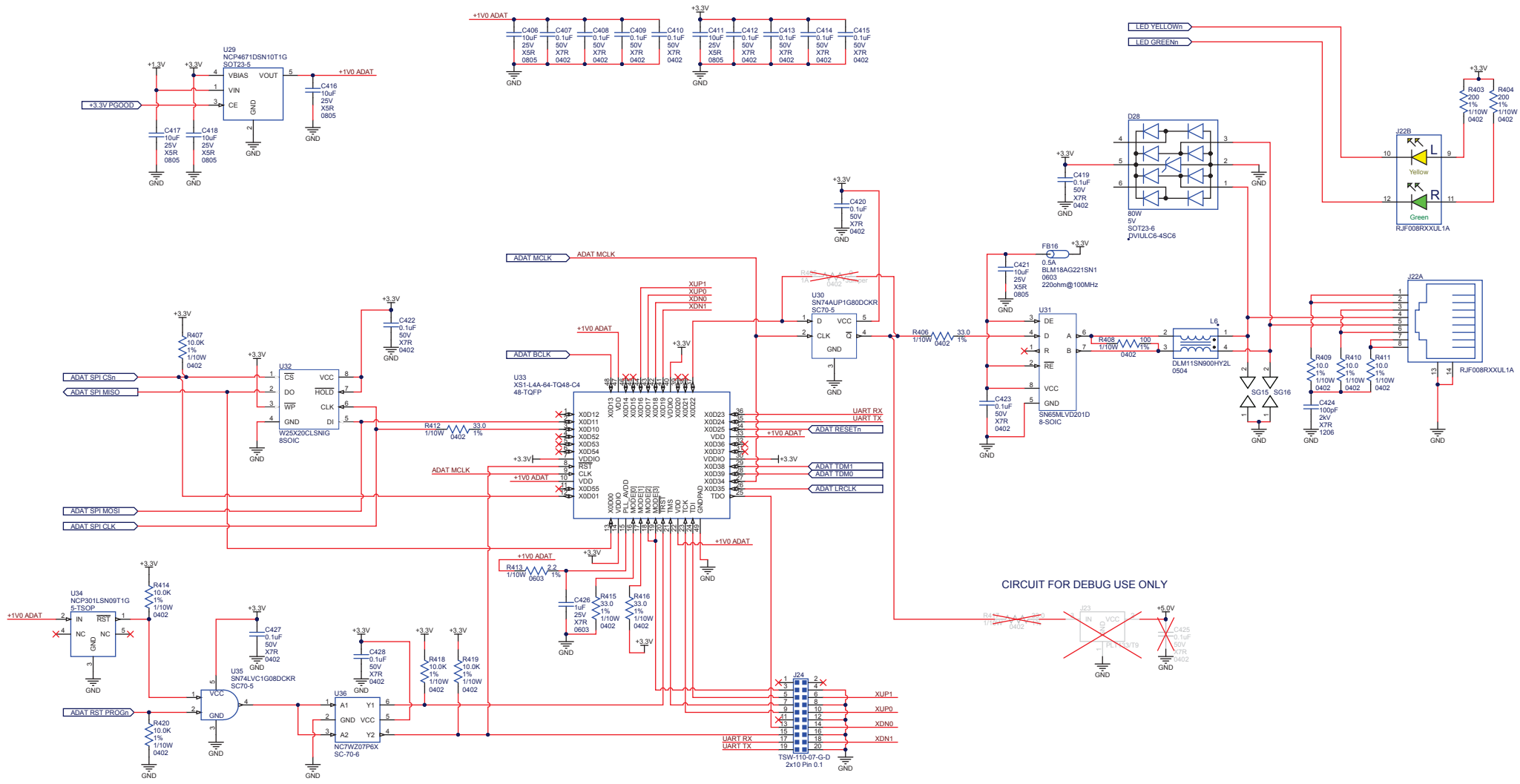


SAFETY CONTROLLED

PSTN CONNECTOR

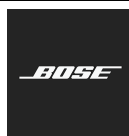
ControlSpace EX 1280C
 Main PCB Assembly
 PCB P/N: 772390-001S
 Schematic Diagram, Rev. 4.0
 Sheet 19 of 22





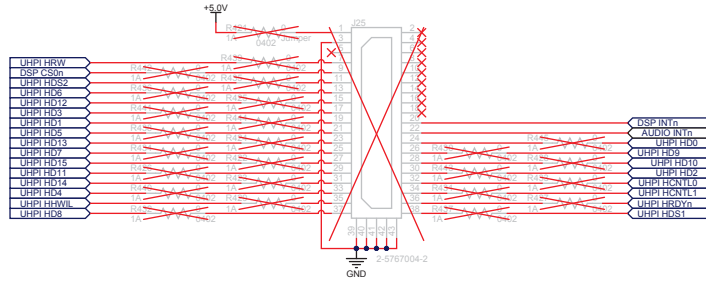
SAFETY CONTROLLED

ControlSpace EX 1280C
 Main PCB Assembly
 PCB P/N: 772390-001S
 Schematic Diagram, Rev. 4.0
 Sheet 20 of 22

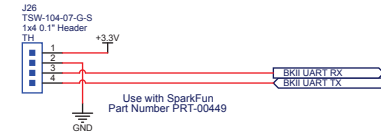


ADAT

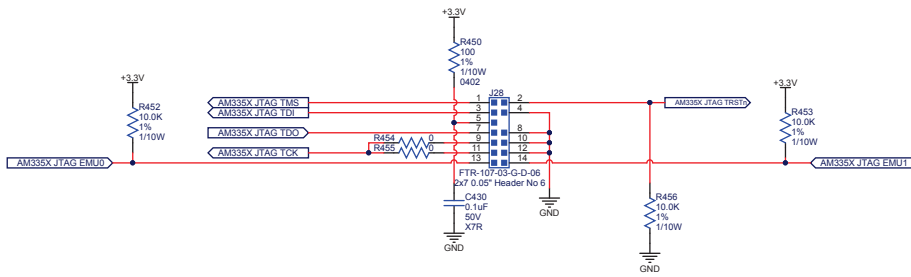
MICTOR CONNECTOR



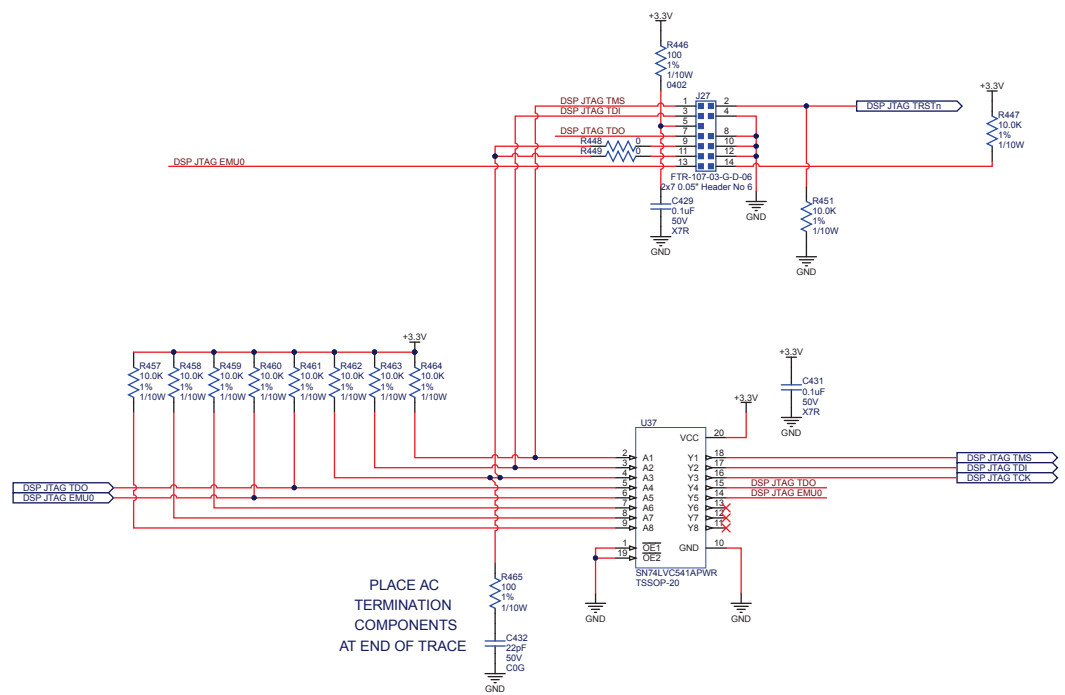
BKII UART



ARM JTAG

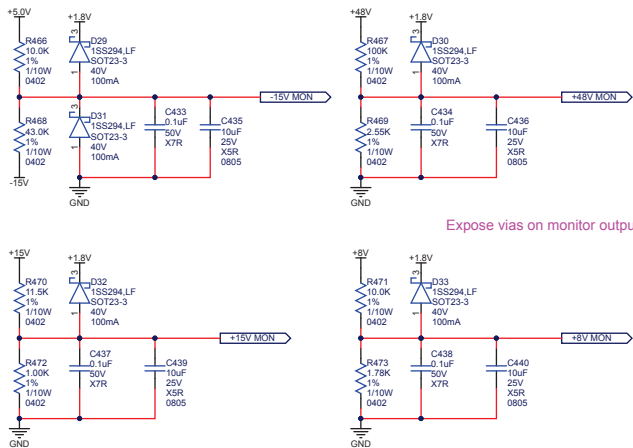


DSP JTAG



RAIL MONITORS

NOMINAL VOLTAGES SET TO ~1.2V



Expose vias on monitor output signals

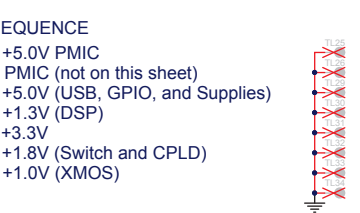
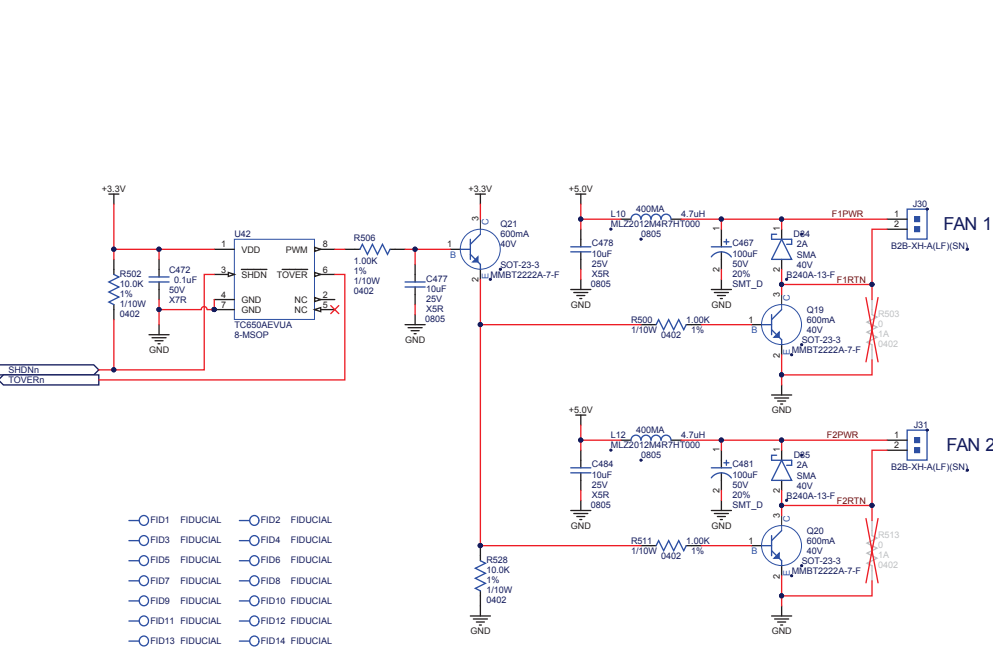
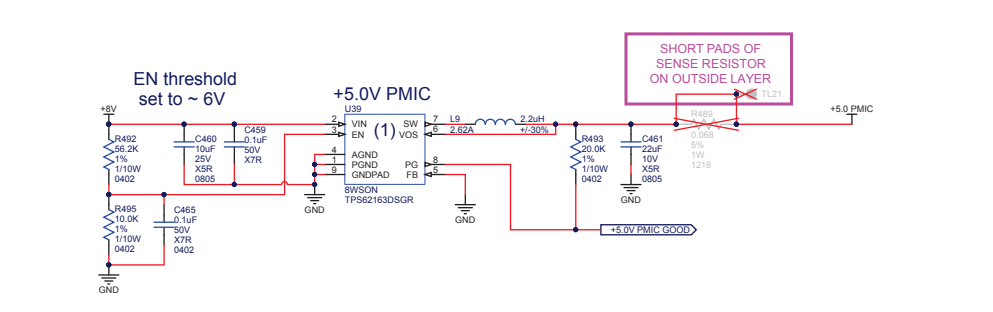
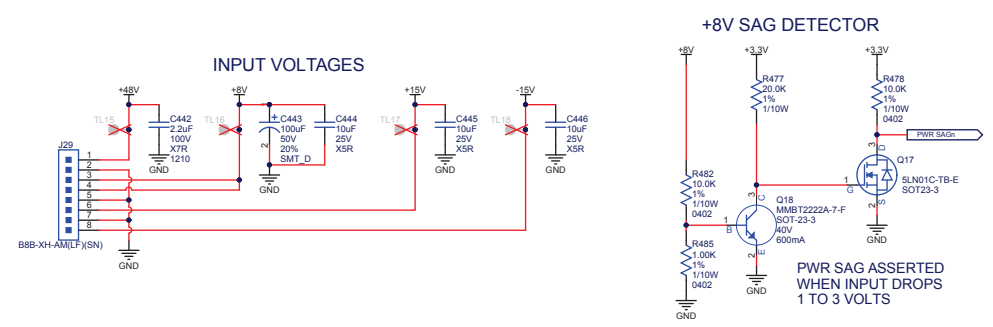
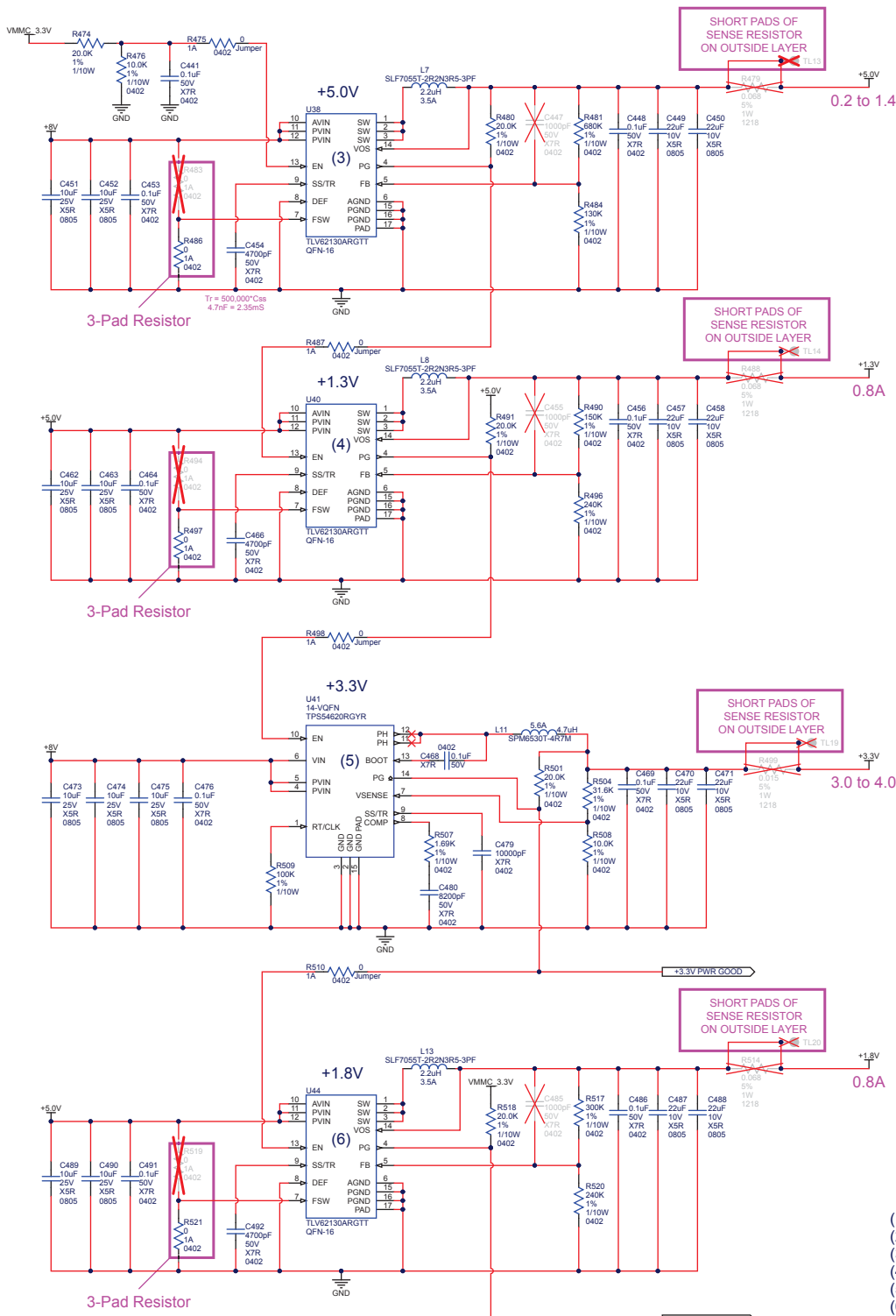
PLACE AC TERMINATION COMPONENTS AT END OF TRACE

SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
Sheet 21 of 22



DEBUG



SAFETY CONTROLLED

ControlSpace EX 1280C
Main PCB Assembly
PCB P/N: 772390-001S
Schematic Diagram, Rev. 4.0
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POWER