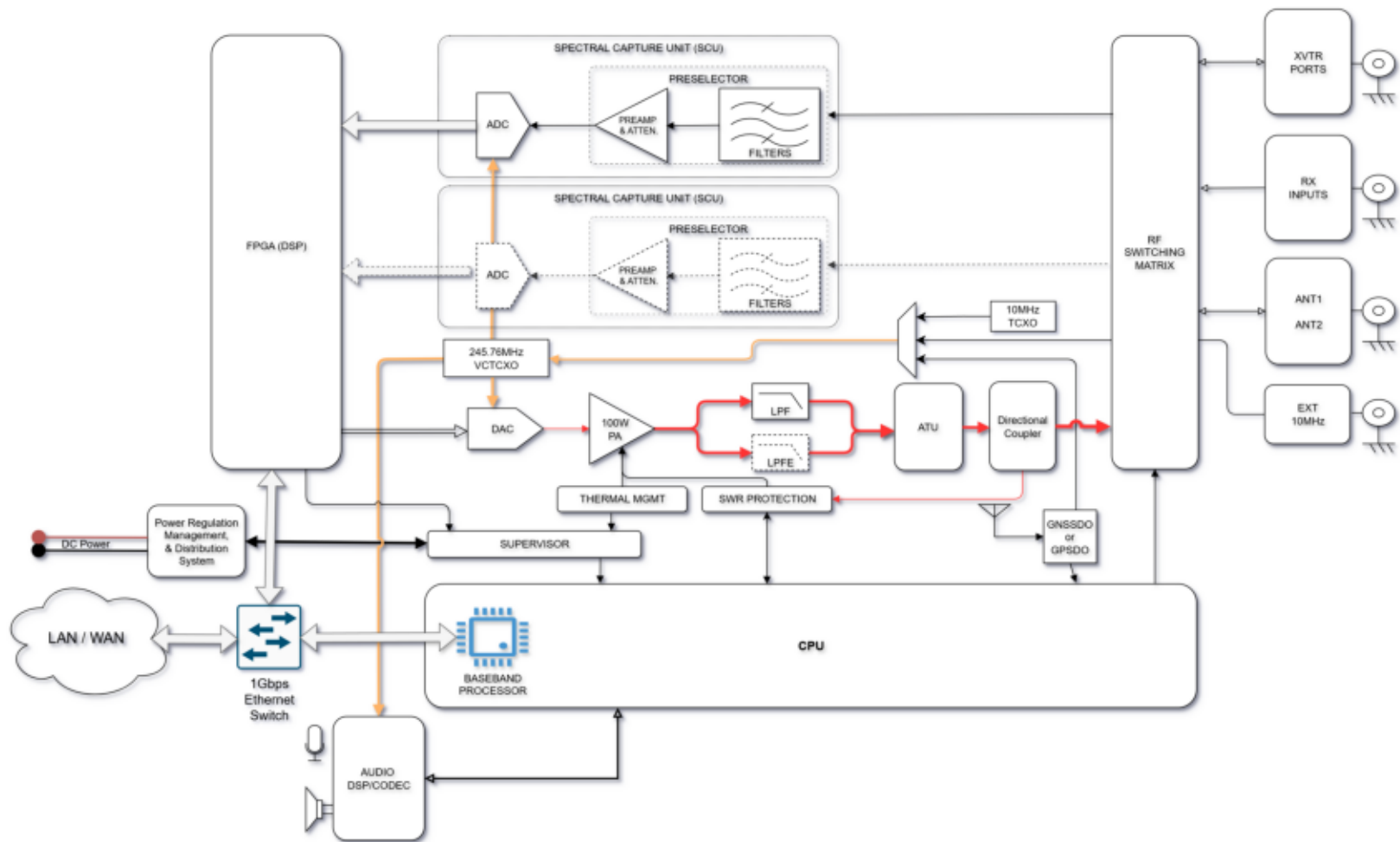


Board 20250805-B-0173-H Overview



Part Type Summary

Part Type	Count
Resistor	24
Capacitor	22
IC	16
Connector	5
Inductor	3
LED	3
Ferrite Bead	2
Transistor	2
Hardware	1
Oscillator	1
Transformer	1
Crystal	1
PCB	1

Part List (rows 1-30)

Description
MLCC 0805 1uF 25V X7R 10%
CAP CER .1UF 25V 10% X5R 0201
CAP MLCC 10uF 6.3V X7R 0603 20%
CAP CER 22UF 35V X5R 0805
Multilayer Ceramic Capacitors MLCC - SMD/SMT 10V 10uF X7R 0805 10%
MLCC 1206 10uF 25V X7R 10%
CAP MLCC .033uF 25V X7R 0402 5%
CAP MLCC 1uF 6.3V X7R 0402 10%
CAP MLCC 0.47 uF 25V X7R 0603
CAP MLCC 4.7uF 16V X7R 0805 5%
6.3V 330uF 2917 20% ESR=50mOhms
CAP MLCC 0.1uF 25V X7R 0402 10%
MLCC - SMD/SMT 50V 330pF X7R 0402 10% AEC-Q200
CAP MLCC 1.1pF 50V C0G 0402 +/-0.1pF
CAP MLCC 47uF 10V X7R 1210 10%
CAP CER 0.47UF 10V X7R 0402
MLCC - SMD/SMT 25V 0.01uF X7R 0402 10%
CAP CER 7.6PF +/-0.1PF 50V 0402 C0G
CAP MLCC 0.22uF 16V X7R 0402 10%
CAP CER 11PF 50V NP0 0402
CAP CER 1000PF 25V 10% X7R 0402
CAP CER 100UF 10V 20% X5R 1210
FERRITE CHIP 600 OHM 500MA 0603
HEAT SINK BGA FOR ARTIX 484
CONN .8MM EDGE RATE SOCKET ASSEMBLY
CONN RCPT 40POS 0.8MM GOLD SMD
CONN HEADER 14POS 2MM VERT SMD
CONN MCX JACK STR 50 OHM PCB
Ceramic Chip Inductors, 0603, 30nH
FERRITE BEAD 1.248 KOHM 0805 1LN

Part List (rows 31-60)

Description
Inductor, 2.2uH, 5.2A, 40.4mOhms
IND FIXED 2.7UH 20% 9.2A
LED GREEN CLEAR 0805 SMD
Standard LEDs - SMD Blue Clear 466nm
LED RED CLEAR 0805 SMD
MOSFET P-CH 25V 460MA SOT-23
VCXO Oscillators 245.76MHz 3.3V 40ppm -40C 85C
RES 16K OHM 1/10W 1%
RES 5.11K OHM 1/10W 1% 0603 SMD
RES 4.12K OHM 1/16W 1% 0402 SMD
RES 200 OHM 1/20W 1% 0201 SMD
RES 75 ohm 1/16W 1% 0402 SMD
RES 33.0 OHM 1/16W 1% 0402 SMD
RES 0 ohm 1/16W 0402 SMD
Thick Film Resistors - SMD 2.74 kOhms 100mW 0603 1%
RES 22 ohm 1/16W 5% 0402 SMD
RES 10.0K OHM 1/20W 1% 0201 SMD
RES 100 ohm 1/16W 1% 0402 SMD
RES 220 ohm 1/10W 1% 0603 SMD
RES 10 kohm 1/16W 1% 0402 SMD
RES 475 OHM 1/10W 1% 0603 SMD
RES 39 Kohm 1/16W 1% 0402 SMD
RES 1 kohm 1/16W 1% 0402 SMD
Resistor, 845, 1%, 0.063W, 0402 (1005 Metric)
RES 240 ohm 1/16W 1% 0402 SMD
RES 10 OHM 1/16W 1% 0402
RES 39 ohm 1/16W 1% 0402 SMD
RES SMD 4.7K OHM 1% 1/16W 0402
RES 49.9 ohm 1/16W 1% 0402 SMD
RES 8.66k ohm 1/16W 1% 0402 SMD

Part List (rows 61-82)

Description
RES 30.0 OHM 1/16W 1% 0402 SMD
Wideband Transformers
IC FPGA 285 I/O 484FCBGA
IC 3-8 LINE DECOD/DEMUX 16-TSSOP
Special Purpose Amplifiers If Cellular Dual DGA
IC LDO Voltage Regulator 1A Hi PSRR FT 5.0Vo
IC PMU 4DCDC/8LDO 98BGA
MOSFET 2N-CH 30V 20A 8SON
IIC REG LDO 3.3V 200MA 5TSOT
IC CLOCK DISTRIB PLL 48-LFCSP
IC CONFIG MULT-FUNC GATE SOT23-6
IC CLOCK GENERATOR TSSOP-16
Switching Voltage Regulator, 0.8V - 7V Out, 1A, 740kHz
IC SWITCH SPDT SM8
128Mx16 2Gb DDR3 SDRAM
3.3V to 5V LEVEL SHIFTER BIDIRECTIONAL 24TSSOP
IC DAC 16BIT 1230MSPS 72LFCSP
IC I2C EEPROM 64K 8SOIC
IC Power Management Specialized - PMIC VSON-10
CONN HEADER 26POS STR 2MM SMD AU
CRYSTAL 25MHz 8pF -40C +125C 10ppm
BIGBEND A7 FPGA Board