

Bill of Materials

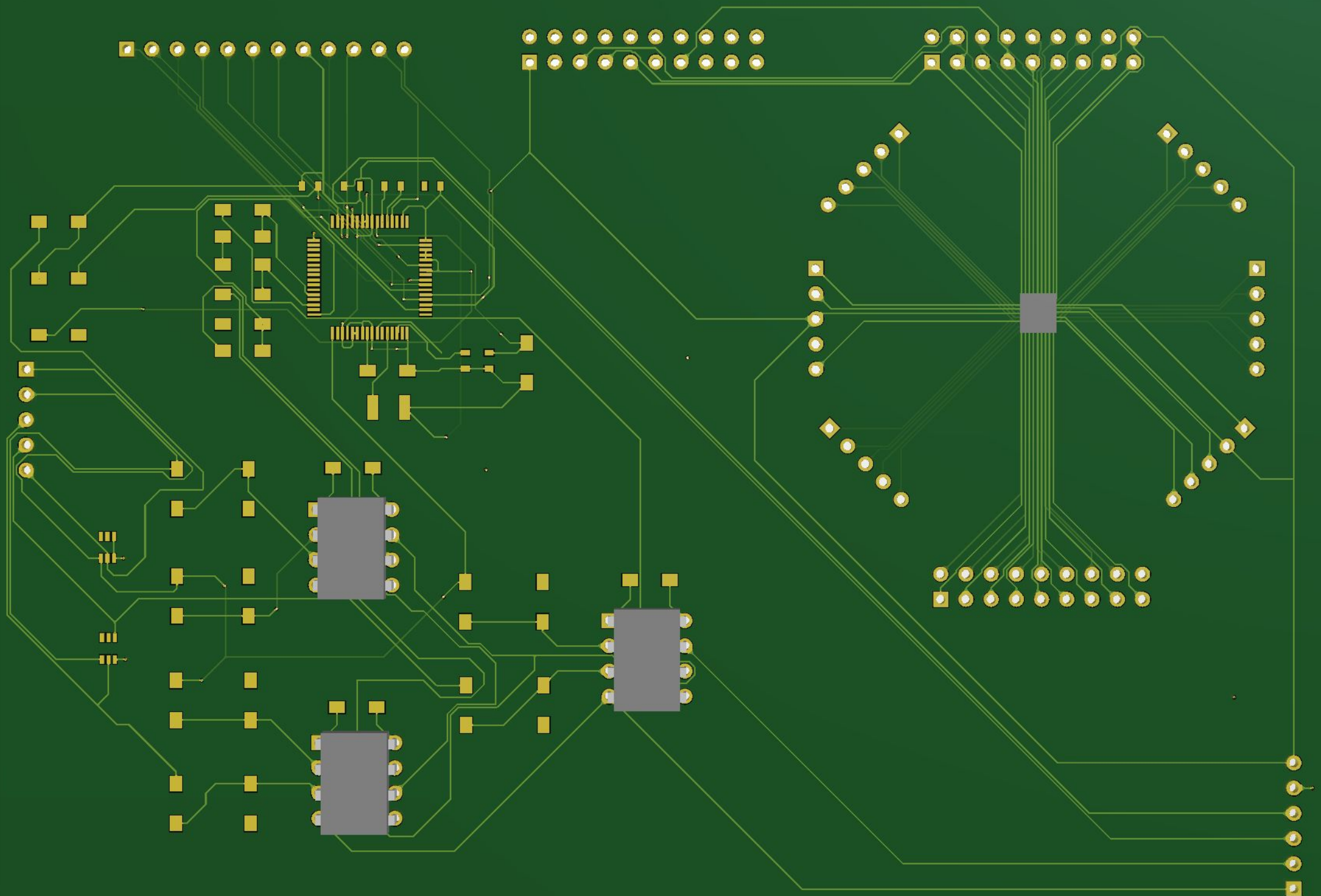
Bill of Materials For PCB Document [PCB1_v3.PcbDoc]

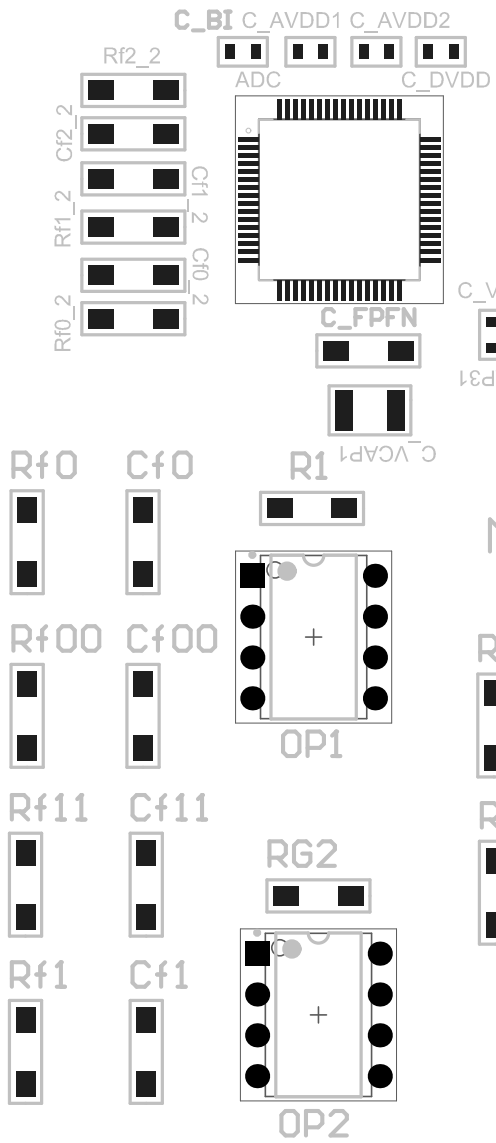
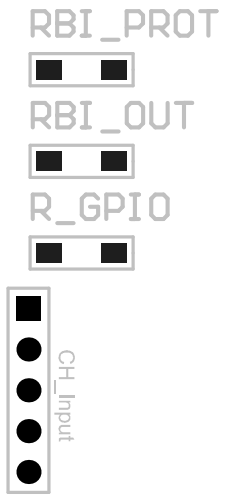
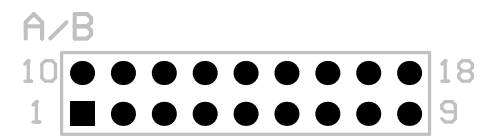
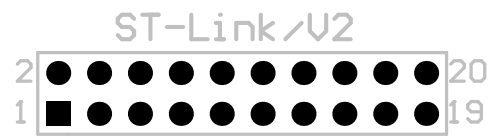
Source Data From: PCB1_v3.PcbDoc
 Project: Micsa_Alpha.PrjPCB
 Variant: None

Creation Date: 2018-03-16 10:50:45
 Print Date: 16-Mar-18 10:50:54 AM

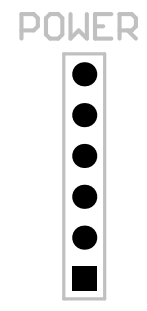
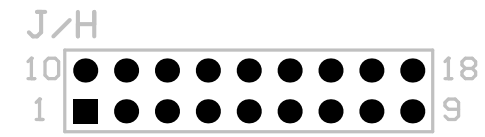
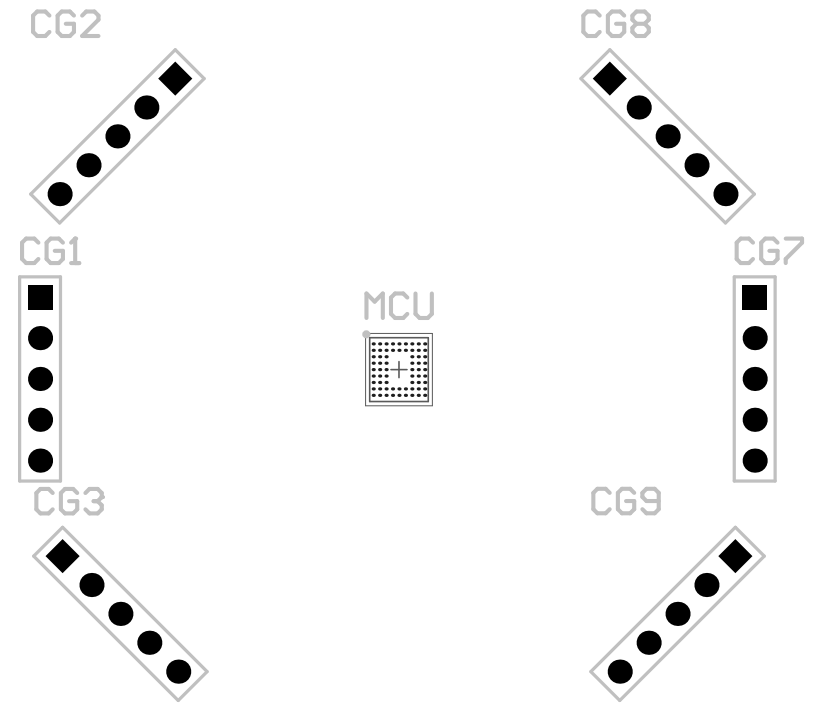
Footprint	Comment	LibRef	Designator	Description	Quantity
HDR2X9_CE N	Header 9X2A	Header 9X2A	A/B, J/H	Header, 9-Pin, Dual row	2
QFP64P50_1 200X1200X12 0L60X22N	ADS1299-4PAG	ADS1299-4PAG	ADC	IC AFE 4-CH 24BIT 64TQFP	1
HDR1X12 SC70-6	Header 12 TPD4E1B06DC KR	Header 12 TPD4E1B06DC KR	ADS/IN/OUT ANTI_STAT1, ANTI_STAT2	Header, 12-Pin TVS DIODE 5.5VWM 14.5VC SC70-6	1 2
HDR1X5	Header 5	Header 5	CG1, CG2, CG3, CG7, CG8, CG9, CH_Input	Header, 5-Pin	7
0603 (1608 Metric)	LMK107B7105K A-T	Cap	C_AVDD1, C_AVDD2, C_BI, C_DVDD, C_VCAP2, C_VCAP31	1µF ±10% 10V Ceramic Capacitor X7R 0603 (1608 Metric)	6
1206 (3216 Metric)	C1206C106J8R ACTU	Cap	C_FPFN, Cf0, Cf00, Cf0_2, Cf1, Cf1_2, Cf2, Cf2_2, Cf11, Cf22	10µF ±5% 10V Ceramic Capacitor X7R 1206 (3216 Metric)	10
1210 (3225 Metric)	JMK325BJ107M M-T	Cap	C_VCAP1	100µF ±20% 6.3V Ceramic Capacitor X5R 1210 (3225 Metric)	1
1206 (3216 Metric)	C1206C104F3G ACTU	Cap	C_VCAP32	0.1µF ±1% 25V Ceramic Capacitor C0G, NP0 1206 (3216 Metric)	1
STM- WLCSP64+2	STM32F205RG Y6TR	STM32F205RG Y6TR	MCU	ARM Cortex-M3 32-bit MCU, 1024 KB Flash, 128 KB Internal RAM, 51 I/Os, 66- pin WLCSP, -40 to 85 degC, Tape and Reel	1
TI-P8	INA118P	INA118P	OP1, OP2, OP3	Precision, Low Power Instrumentation Amplifier, -40 to 85 degC, 8-pin DIP (P8), Green (RoHS & no Sb/Br)	3
HDR1X6 1206 (3216 Metric) RES	Header 6 Res2	Header 6 Res2	POWER R1, RG2	Header, 6-Pin 5 kOhms ±0.1% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thin Film	1 2
1206 (3216 Metric) RES	RG3216P-1004- B-T1	Res2	RBI_OUT	1 MOhms ±0.1% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Anti-Sulfur, Automotive AEC-Q200 Thin Film	1
1206 (3216 Metric) RES	RC1206FR- 07390RL	Res2	Rf00, Rf0, Rf0_2, Rf1, Rf1_2, Rf2, Rf2_2, Rf11, Rf22	390 Ohms ±1% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thick Film, Resistor	9
1206 (3216 Metric) RES	RT1206BRD075 KL	Res2	RG3	5 kOhms ±0.1% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thin Film	1
1206 (3216 Metric) RES	RT1206BRD073 30KL	Res2	R_GPIO, RBI_PROT	330 kOhms ±0.1% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thin Film	2
HDR2X10	XG4C-2031	Header 10X2	ST-Link/V2	Header, 10-Pin, Dual row	1
					52

Approved	Notes

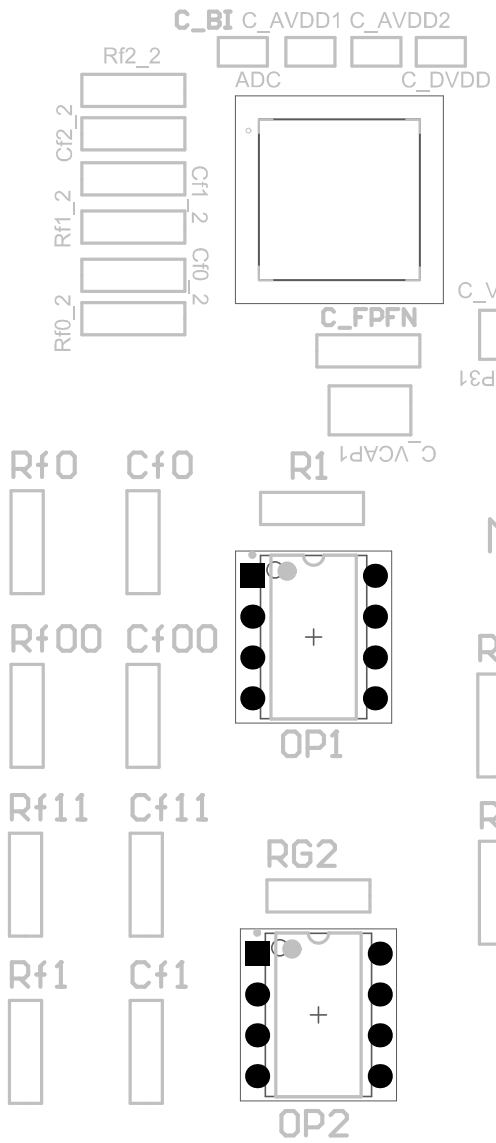
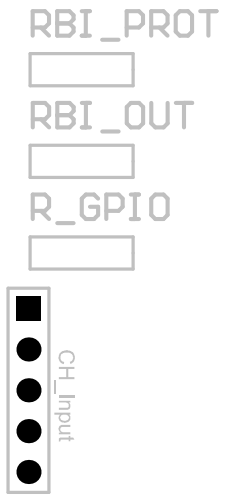
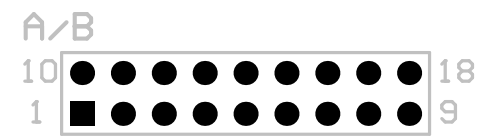
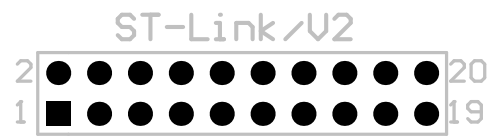




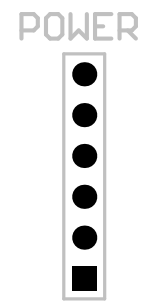
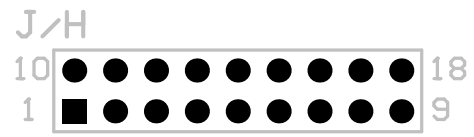
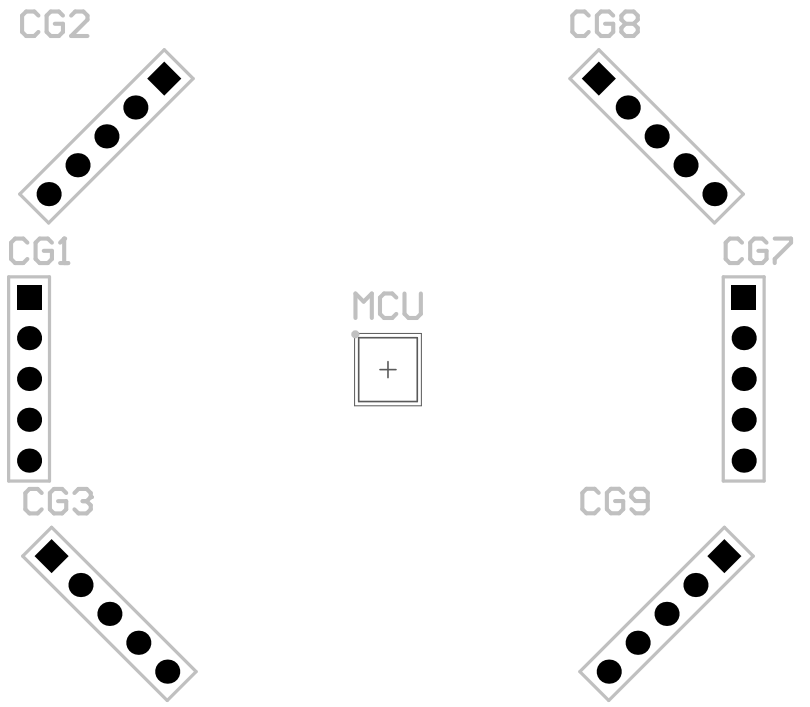
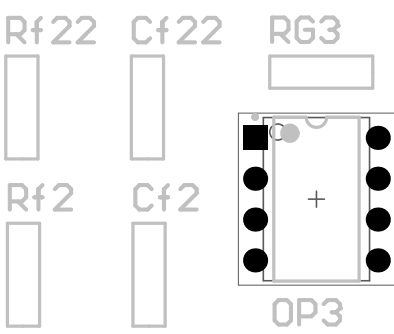
Micsa Alpha



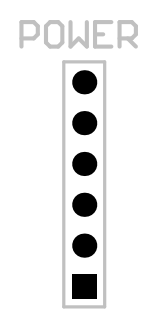
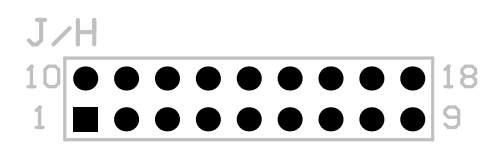
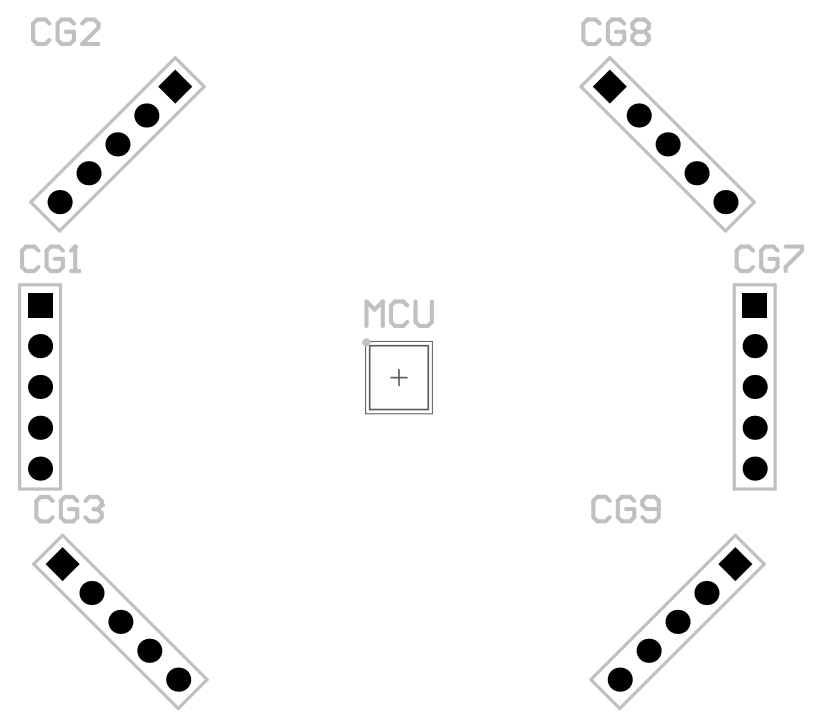
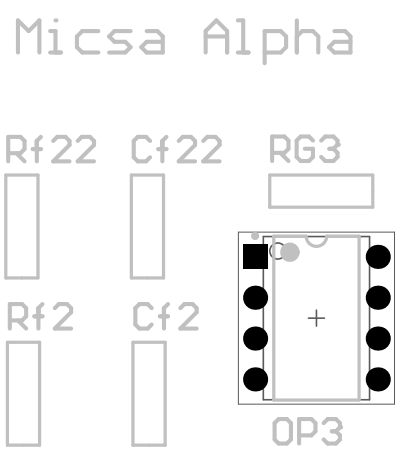
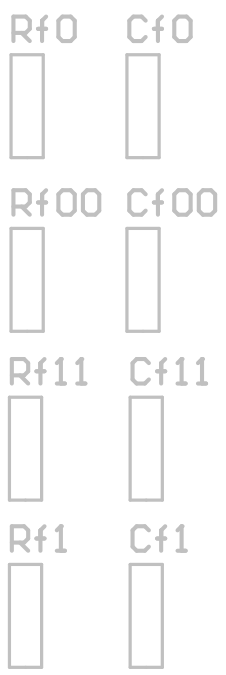
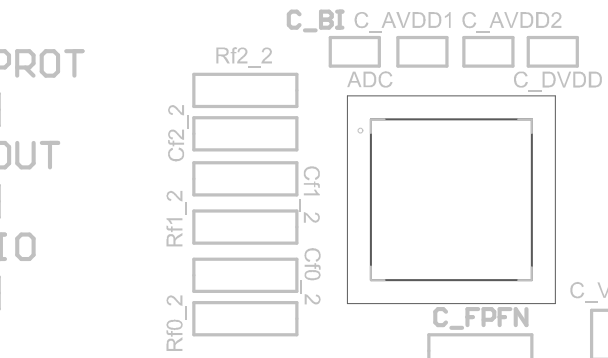
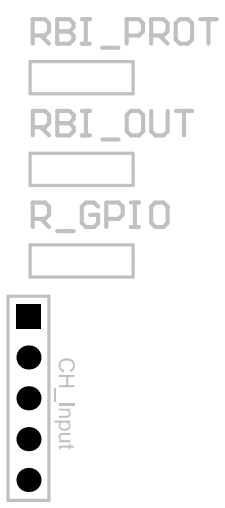
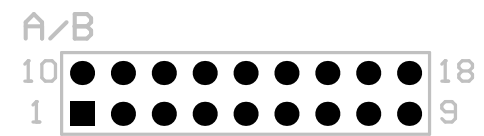
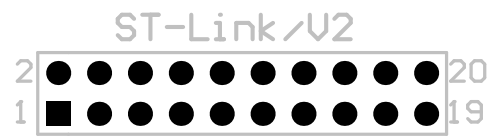
Altium



Micsa Alpha



Altium



Altium

