

GND	1	2	5v (IN)
PE2	3	4	PE3
PE4	5	6	PE5
PE6	7	8	Vbat (IN)
PI8	9	10	PC13
PC14	11	12	PC15
PI9	13	14	PI10
PI11	15	16	PF0
PF1	17	18	PF2
PF3	19	20	PF4
PF5	21	22	PF6
PF7	23	24	PF8
PF9	25	26	PF10
PH0	27	28	PH1
RESET	29	30	PC0
PC1	31	32	PC2
PC3	33	34	Vref
PA1	35	36	PA0
PH2	37	38	PA2
3v3	39	40	PH3
3v3	41	42	gnd
PH4	43	44	gnd
PA3	45	46	PH5
PA5	47	48	PA4
PA7	49	50	PA6
PC5	51	52	PC4
PB1	53	54	PB0
PF11	55	56	PB2
PF13	57	58	PF12
PF15	59	60	PF14
PG1	61	62	PG0
PE8	63	64	PE7
PE10	65	66	PE9
PE12	67	68	PE11
PE14	69	70	PE13
PB10	71	72	PE15
PH6	73	74	PB11
PH8	75	76	PH7
PH10	77	78	PH9
3v3	79	80	PH11

power
SRAM
CRYSTALS
40-pin I/O
SD card
audio
keyboard
console
VGA
IR+temp

3v3	1	2	gnd
PH12	3	4	PB12
PB13	5	6	PB14
PB15	7	8	PD8
PD9	9	10	PD10
PD11	11	12	PD12
PD13	13	14	PD14
PD15	15	16	PG2
PG3	17	18	PG4
PG5	19	20	PG6
PG7	21	22	PG8
PC6	23	24	PC7
PC8	25	26	PC9
PA8	27	28	PA9
PA10	29	30	PA11
PA12	31	32	PA13
PH14	33	34	PH13
PI0	35	36	PH15
3v3	37	38	PI1
3v3	39	40	gnd
PI2	41	42	gnd
PI3	43	44	PA14
PA15	45	46	PC10
PC11	47	48	PC12
PD0	49	50	PD1
PD2	51	52	PD3
PD4	53	54	PD5
PD6	55	56	PD7
PG9	57	58	PG10
PG11	59	60	PG12
PG13	61	62	PG14
PG15	63	64	PB3
PB4	65	66	PB5
PB6	67	68	PB7
Boot0	69	70	PB8
PB9	71	72	PE0
PE1	73	74	PDR_ON
PI4	75	76	PI5
PI6	77	78	PI7
gnd	79	80	5v