

Pin	Special Func.	GPIO	Reset strap	ECRST# (L/H)	XO-4 Signal Name	Dir	Description
1	OWM	GPIO0A		HiZ/HiZ	CHRG_DQ	I/O	Battery 1-Wire interface
2	ESB_CLK	GPIO0B		HiZ/HiZ	SOC_SLEEP	1	Indicates that the main proc. is asleep
3	ESB_DAT	GPIO0C		HiZ/HiZ	EN_DCON_PWR#	0	Enable DCON power (+2.5V and +1.8V)
4	GPIO0D	GPIO0D		HiZ/HiZ	EN_VCORE_PWR	0	Enable SOC core power
5	SC#	GPIO0E		HiZ/HiZ	SYS_RESET#	1	Indicates that the Soc is in reset
6	PWM0	GPIO0F		HiZ/HiZ	LED_PWR	0	Power LED
7	VCC						
8	PWM1	GPIO10		HiZ/HiZ	LED_BAT_R	0	Battery LED Red
9	GND						
10	PWM2	GPIO11		HiZ/HiZ	LV_SET	0	MPPT low-end setpoint control
11	FANPWM0	GPIO12		HiZ/HiZ	LED_BAT_G	0	Battery LED Green
12	FANPWM1	GPIO13		HiZ/HiZ	EN_USB_PWR	0	Enable +3.3V_USB to USB Hub
13	FANFB0	GPIO14		HiZ/HiZ	PWR_BTN#	1	Input from power button
14	FANFB1	GPIO15		HiZ/HiZ	EC_IRQ#	0	EC interrupt to the SOC
15	E51TXD	GPIO16		HiZ/HiZ	EC_TX	0	UART Out
16	E51CLK/E51RXD	GPIO17		HiZ/HiZ	EC_RX	1	UART In
17	PWM3	GPIO19		HiZ/HiZ	BAT_CHG_PWM	0	Additional battery charge rate control
18	RESET#			IE/IE	EC_RST#	1	EC reset
19	KSO0/TP_TEST	GPIO20	H	IE(PU)/IE(PU)	EN_SD1_PWR#	0	Enable power for internal SD/eMMC
20	KSO1/TP_PLL	GPIO21	H	IE(PU)/IE(PU)	EN_SD2_PWR#	0	Enable power for external SD slot
21	KSO2/TP_TMUX	GPIO22	H	IE(PU)/IE(PU)	EN_+3.3V_SOC#	0	Enable +3.3V_SOC
22	KSO3/TP_PLL_LOCK	GPIO23	H	IE(PU)/IE(PU)	EN_KBD_PWR#	0	Enable keyboard/touchpad power
23	KSO14	GPIO2E		HiZ/HiZ	SOC_RESET#	0	Open drain signal which resets Soc
24	KSO15	GPIO2F		HiZ/HiZ	EC_SPI_CMD	1	SOC->EC command flag
25	KSI0	GPIO30		IE(PU)/IE(PU)	RESTORE	1	Enable EC recovery mode
26	KSI4/EDI_CS	GPIO34		IE(PU)/IE(PU)	EDI_CS_R#	1	SOC/ISP programming interface
27	KSI5/EDI_CLK	GPIO35		IE(PU)/IE(PU)	EDI_CLK_R	1	SOC/ISP programming interface
28	KSI6/EDI_DI	GPIO36		IE(PU)/IE(PU)	EDI_DIN_R	1	SOC/ISP programming interface
29	KSI7/EDI_DO	GPIO37		IE(PU)/IE(PU)	EDI_DO_R	0	SOC/ISP programming interface
30	AD0	GPIO38		HiZ/HiZ	EC_ID0	AI	Board ID 0
31	AD1	GPIO39		HiZ/HiZ	EC_ID1	AI	Board ID 1
32	AD2	GPIO3A		HiZ/HiZ	CHRG_AC_IN	AI	Voltage at DC Line In
33	AD3	GPIO3B		HiZ/HiZ	LED_INHIBIT#	0	Outdoor Light Sensor cathode
34	AVCC						
35	DA0	GPIO3C		HiZ/HiZ	CHRG_AC_OK	1	External DC Input present

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36	AGND						
37	DA1	GPIO3D		HIZ / HIZ	PWR_LMT_ON#	I	Low-end (solar) power limiting active
38	AD4	GPIO42		HIZ / HIZ	ADP_CUR_SEN	AI	Adapter current sense
39	AD5	GPIO43		HIZ / HIZ	CHRG_VOL_SNS	AI	Main rail voltage sense
40	SCL0	GPIO44		HIZ / HIZ	CHG_SCL	I/O	Battery Charger SMBus interface clock
41	SDA0	GPIO45		HIZ / HIZ	CHG_SDA	I/O	Battery Charger SMBus interface data
42	PSCLK1	GPIO4A		HIZ / HIZ	EC_KBD_CLK	I/O	Keyboard PS/2 interface clock
43	PSDAT1	GPIO4B		HIZ / HIZ	EC_KBD_DAT	I/O	Keyboard PS/2 interface data
44	PSCLK2	GPIO4C		HIZ / HIZ	EN_+1.8V_PMIC#	O	Enable +1.8V_PMIC
45	PSDAT2	GPIO4D		HIZ / HIZ	EN_+1.2V_SOC	O	Enable +1.2V
46	PSCLK3	GPIO4E		HIZ / HIZ	EC_TPD_CLK	I/O	Touchpad PS/2 interface clock
47	PSDAT3	GPIO4F		HIZ / HIZ	EC_TPD_DAT	I/O	Touchpad PS/2 interface data
48	WDT_LED#	GPIO54		HIZ / HIZ	OLS_ANODE	O	Outdoor Light Sensor anode
49	SDICS#	GPIOA00		HIZ / HIZ	EC_SDI_CS#	I	EC ↔ SOC Communication
50	SDICLK	GPIOA01		HIZ / HIZ	EC_SDI_CLK	I	EC ↔ SOC Communication
51	SHIDO	GPIOA02		HIZ / HIZ	EC_SDI_MOSI	O	EC ↔ SOC Communication
52	VCIN1	GPIOA05		HIZ / HIZ	EC_SPL_ACK	O	EC->SOC command acknowledge
53	GWG	GPIOA11		HIZ / HIZ	EN_NAND_SOCGPIO#	O	Enable +3.3V to the SOC
54	SHIDI	GPIO00		HIZ / HIZ	EC_SDI_MISO	O	EC ↔ SOC Communication
55	GND						
56	(MISO)	GPIO5B		HIZ / HIZ	EN_+1.8V_GPIO#	O	Enable +1.8V_GPIO
57	(MOSI)	GPIO5C		HIZ / HIZ	EN_MAIN_PWR	O	Enable main power plane
58	XCLKI	GPIO5D		HIZ / HIZ	EC_XTL_IN	AI	32KHz crystal connection
59	XCLK0	GPIO5E		HIZ / HIZ	EC_XTL_OUT	AO	32KHz crystal connection
60	V18R						Internal +1.8V regulator bypass
61	VCC						
62	(SPICLK)	GPIO58		HIZ / HIZ	OLS_CATHODE	I/O	Outdoor Light Sensor cathode
63	GPIO59	GPIO59		IE / IE	ALL_PWRGD	I	System power good input
64	(SPICS#)	GPIO5A		HIZ / HIZ	EN_+1.35V_DDR3	O	Enable +1.5V_DDR3

HIZ – High impedance

IE – Input enabled

IE(PU) – Input enabled w. internal pullup

AI – Analog input

AO – Analog output