Interconnecting Connectors

Prototype Area

GPIO1-1

Left	Pin	Pin	Right
+3.3V	34	33	GND
EZ80_PB7\MICROSD_MOSI	32	31	EZ80_PB3\MICROSD_CLK
EZ80_SCL	30	29	EZ80_SDA
EZ80_PHI\CLKOUT	28	27	EZ80_PB6\MICROSD_MISO
EZ80_PB5	26	25	EZ80_PB2\SS#
EZ80_PC7	24	23	EZ80_PC6
EZ80_PC5	22	21	EZ80_PC4
EZ80_PC3	20	19	EZ80_PC2
EZ80_PC1	18	17	EZ80_PC0
EZ80_PD7	16	15	EZ80_PD6
EZ80_PD5	14	13	EZ80_PD4
ESP_GPI38	12	11	ESP_GPI37
ESP_GPI36	10	9	ESP_GPIO26
ESP_GPIO27	8	7	ESP_GPI35
ESP_GPI39	6	5	GND
+5V	4	3	GND
+5V_USB	2	1	VBAT

FK-DK-2X17-LF(IDC-34S/PCB)

PWR_FLAG PWR_FLAG PWR_FLAG PWR_FLAG

GPIO1-2

Left	Pin	Pin	Right
+3.3V	34	33	GND
EZ80_PB7\MICROSD_MOSI	32	31	EZ80_PB3\MICROSD_CLK
EZ80_SCL	30	29	EZ80_SDA
EZ80_PHI\CLKOUT	28	27	EZ80_PB6\MICROSD_MISO
EZ80_PB5	26	25	EZ80_PB2\SS#
EZ80_PC7	24	23	EZ80_PC6
EZ80_PC5	22	21	EZ80_PC4
EZ80_PC3	20	19	EZ80_PC2
EZ80_PC1	18	17	EZ80_PC0
EZ80_PD7	16	15	EZ80_PD6
EZ80_PD5	14	13	EZ80_PD4
ESP_GPI38	12	11	ESP_GPI37
ESP_GPI36	10	9	ESP_GPIO26
ESP_GPIO27	8	7	ESP_GPI35
ESP_GPI39	6	5	GND
+5V	4	3	GND
+5V_USB	2	1	VBAT

NA(FK-DK-2X17-LF(IDC-34S/PCB))

Prototype Area connections

Signal	Pad
+3.3V	3.3V1
GND	GND1
EZ80_PHI\CLKOUT	PHI1
GND	GND2
+3.3V	3.3V2
EZ80_SCL	SCL1
EZ80_SDA	SDA1
GND	GND3
EZ80_PB7\MICROSD_MOSI	PB7
EZ80_PB6\MICROSD_MISO	PB6
EZ80_PB5	PB5
EZ80_PB3\MICROSD_CLK	PB3
EZ80_PB2\SS#	PB2
EZ80_PC7	PC7
EZ80_PC6	PC6
EZ80_PC5	PC5
EZ80_PC4	PC4
EZ80_PC3	PC3
EZ80_PC2	PC2
EZ80_PC1	PC1
EZ80_PC0	PC0
EZ80_PD7	PD7
EZ80_PD6	PD6
EZ80_PD5	PD5
EZ80_PD4	PD4
GND	GND4
ESP_GPI39	GPI39
ESP_GPI38	GPI38
ESP_GPI37	GPI37
ESP_GPI36	GPI36
ESP_GPI35	GPI35
ESP_GPIO27	GPIO27
ESP_GPIO26	GPIO26
GND	GND5
+5V_USB	VUSB1
GND	GND6
VBAT	VBAT1
GND	GND7
+5V	+5V0

LED indicators

LED_5V0 — LED/Red/3mm/PTH
+5V → A 2 | 1 → R1 2k/0.125W → GND

LED_3V3 — LED/Green/3mm/PTH
+3.3V → A 2 | 1 → R2 2k/0.125W → GND

Mounting Holes

MH1	MH2	MH3	MH4
Mounting_Hole_NPTH	Mounting_Hole_NPTH	Mounting_Hole_NPTH	Mounting_Hole_NPTH

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Sheet: /
File: AgonLight2-PROTO_Rev_A.kicad_sch

Title: AgonLight2-PROTO

Size: A4	Date: 2023-05-31	Rev: A
KiCad E.D.A. kicad 7.0.5-4d25ed1034~172~ubuntu22.04.1		Id: 1/1