

# SUNCREATIVE Quantum™ Electrical IDD

## (Interface Definition Document)

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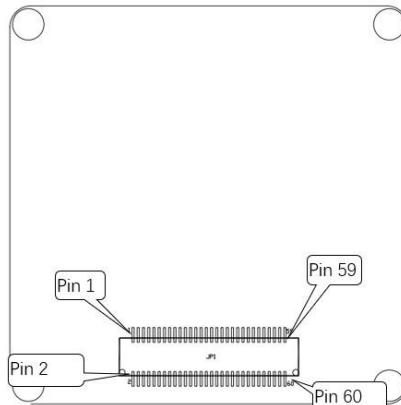
Version

### 1 Interface definition

Pin NO.	name	Function
1	5V	power
2	D7	Digital signal
3	D5	Digital signal
4	GND	Digital signal
5	D3	Digital signal
6	D1	Digital signal
7	GND	
8	CLK	clock
9	RESET	reset
10	GND	
11	D0	Digital signal
12	D2	Digital signal
13	GND	
14	D4	Digital signal
15	D6	Digital signal
16	5V	power
17	SDA	I2C
18	SCL	I2C
19	DVDD1.8V	

### 2 Connector

Connector type is DF12A-60DS-0.5V (81), the Pin array list shown as below:



### 3 pin definitions

NO. pin	Name	Function
1	RS232_TXD	Serial port sent
2	SCL	I2C clock
3	RS232_RXD	Serial port receives
4	SDA	I2C data
5	DGND	DGND
6	DGND	DGND
7	PPIO_CLK	Data clock BT656_CLK
8	KEY_IO5_F	Button
9	DGND	DGND
10	KEY_RESET	External reset button
11	PPIO_HSYNC	Data synchronization
12	KEY_IO1_M	Button
13	PPIO_VSYNC	Data fields synchronization
14	KEY_IO2_C	Button
15	EXT_SYNC	External synchronization input
16	KEY_IO4_-	Button
17	DGND	DGND
18	KEY_IO3_+	Button
19	TJ_B_IO2	Focus to drive PWM_B output B
20	VCC_3.3V	3.3V power
21	TJ_B_IO1	Focus to drive PWM_B output A
22	DGND	DGND
23	TJ_A_IO2	Focus to drive PWM_A output B
24	PPIO_D1	Data signal BT656_D1
25	TJ_A_IO1	Focus to drive PWM_A output A
26	PPIO_D3	Data signal BT656_D3
27	DGND	DGND
28	DGND	DGND
29	PPIO_D0	Data signal BT656_D0
30	PPIO_D5	Data signal BT656_D5
31	PPIO_D2	Data signal BT656_D2
32	PPIO_D7	Data signal BT656_D7
33	DGND	DGND
34	PPIO_D9	Data signal
35	PPIO_D4	Data signal BT656_D4
36	PPIO_D11	Data signal
37	PPIO_D6	Data signal BT656_D6
38	DGND	DGND
39	PPIO_D8	Data signal
40	PPIO_D12	Data signal

41	PPIO_D10	Data signal
42	PPIO_D13	Data signal
43	DGND	DGND
44	PPIO_D14	Data signal
45	PPIO_D23	Data signal
46	PPIO_D15	Data signal
47	PPIO_D22	Data signal
48	DGND	DGND
49	PPIO_D21	Data signal
50	PPIO_D16	Data signal
51	PPIO_D20	Data signal
52	PPIO_D17	Data signal
53	DGND	DGND
54	PPIO_D18	Data signal
55	DGND	DGND
56	PPIO_D19	Data signal
57	POWER_IN	2.5-5.5V power input
58	VGND	VGND
59	POWER_IN	2.5-5.5V power input
60	VIDEO_OUT	Video output