

ESP32-S3-DevkitC-1-N8R8 to Adafruit OV5640 Schematic

Pin Mapping Table: Adafruit OV5640 Breakout to ESP32-S3-DevkitC-1-N8R8				
*NOTE: OV5640 board is configured so that				
	a) Autofocus is enabled (soldered the VM jumper)			
	b) Internal CLK is enabled (on CLK jumper, trace between center and right pad is cut, & center pad is soldered to left pad)			
	OV5640 Header	OV5640 pin	ESP32-DevkitC-1-N8R8 pin	
1	H1	RT	-NC-	
2	H1	D3	GPIO09	
3	H1	D5	GPIO10	
4	H1	D7	GPIO18	
5	H1	D9	GPIO16	
6	H1	PC	GPIO13	
7	H1	VS	GPIO06	
8	H1	SCL	GPIO05	
9	H1	3V	3.3VDC	
10	H2	PD	GPIO15	
11	H2	D2	GPIO11	
12	H2	D4	GPIO08	
13	H2	D6	GPIO12	
14	H2	D8	GPIO17	
15	H2	XC	-NC- (see note)	
16	H2	HS	GPIO07	
17	H2	SDA	GPIO04	
18	H2	G	GND	