



Name	No.	Type	Function	
GND	1	P	Ground	
3V3	2	P	Power supply.	
EN	3	1	Chip-enable signal. Active high.	
SENSOR_VP	4	1	GPIO36, SENSOR_VP, ADC_H, ADC1_CH0; RTC_GPIO0	
SENSOR_VN	5	1	GPI039, SENSOR_VN, ADC1_CH3, ADC_H, RTC_GPI03	
IO34	6	1	GPIO34, ADC1_CH6, RTC_GPIO4	
1035	7	1	GPI035, ADC1_CH7, RTC_GPI05	
1032	8	vo	GPIO32, XTAL_32K_P (32.768 kHz crystal oscillator input), ADC1_CH4 TOUCH9, RTC_GPIO9	
IO33	9	1/0	GPI033, XTAL_32K_N (32.768 kHz crystal oscillator output), ADC1_CH5, TOUCH8, RTC_GPI08	
1025	10	1/0	GPIO25, DAC. 1, ADC2. CH8, RTC. GPIO6, EMAC. RXD0	
1026	11	1/0	GPIO26, DAC 2, ADC2_CH9, RTC_GPIO7, EMAC_RXD1	
1027	12	vo	GPI027, ADC2 CH7, TOUCH7, RTC GPI017, EMAC RX DV	
IO14	13	vo	GPI014, ADC2_CH6, TOUCH6, RTC_GPI016, MTMS, HSPICLK, HS2_CLK, SD_CLK, EMAC_TXD2	
1012	14	1/0	GPIO12. ADC2_CH5, TOUCH5, RTC_GPIO15, MTDI, HSPIQ, HS2_DATA2, SD_DATA2, EMAC_TXD3	
GND	15	P	Ground	
1013	16	NO	GPI013, ADC2_CH4, TOUCH4, RTC_GPIC14, MTCK, HSPID, HS2_DATA3, SD_DATA3, EMAC_RX_ER	
SHD/SD2*	17	1/0	GPIO9, SD_DATA2, SPIHD, HS1_DATA2, U1RXD	
SWP/SD3*	18	1/0	GPIO10, SD. DATA3, SPIWP, HS1, DATA3, U1TXD	
SCS/CMD*	19	1/0	GPIO11, SD CMD, SPICSD, HS1 CMD, U1RTS	
SCK/CLK*	20	1/0	GPIO6, SD CLK, SPICLK, HS1 CLK, U1CTS	
SDO/SDO*	21	1/0	GPIO7, SD DATAO, SPIQ, HS1 DATAO, UZRTS	
SCVSD1*	22	1/0	GPIO8, SD. DATA1, SPID, HS1. DATA1, U2CTS	
1015	23	1/0	GPIO15, ADC2_CH3, TOUCH3, MTDO, HSPICSO, RTC_GPIO13, HS2_CMD, SD_CMD, EMAC_RXD3	
102	24	1/0	GPIO2, ADC2_CH2, TOUCH2, RTC_GPIO12, HSPWP, HS2_DATA0, SD_DATA0	
100	25	1/0	GPIOO, ADC2_CH1, TOUCH1, RTC_GPIO11, CLK_OUT1, EMAC_TX_CLK	
104	26	1/0	GPIO4, ADC2_CH0, TOUCH0, RTC_GPIO10, HSPIHD, HS2_DATA1, SD_DATA1, EMAC_TX_ER	
IO16	27	1/0	GPIO16, HS1_DATA4, U2RXD, EMAC_CLX_OUT	
1017	28	1/0	GPIO17, HS1_DATA5, U2TXD, EMAC_CLK_OUT_180	
105	29	1/0	GPIO5, VSPICSO, HS1_DATA6, EMAC_RK_CLK	
IO18	30	1/0	GPIO18, VSPICLK, HS1_DATA7	
1019	31	1/0	GPIO19, VSPIQ, U0CTS, EMAC_TXD0	

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Title: Smart Desk Main PCB				
Size: A4	Date: 2024-06-14	Rev: 1.0		
KiCad E.D.A. 8.0	.2	ld: 2/5		

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