

STA Controller Datasheet

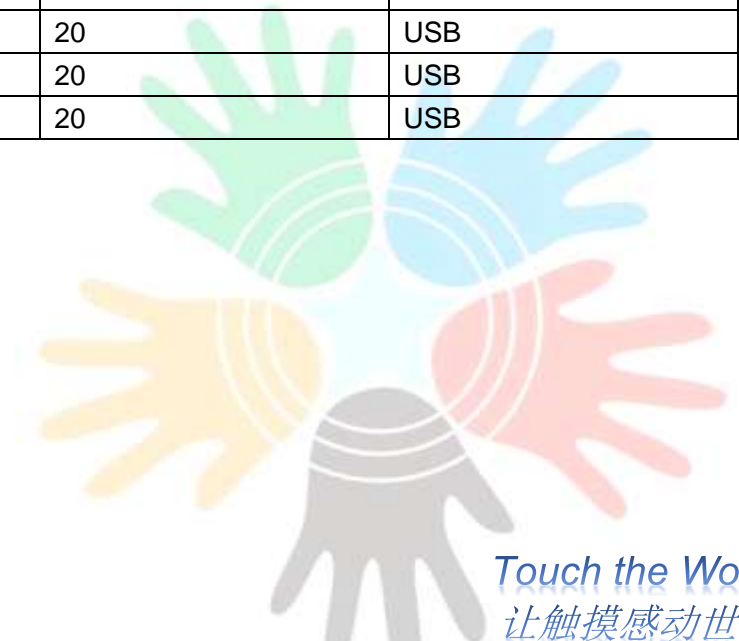
Part Name	STA Controller (XTA for Domestic Market)
Internal Bom Code	0.01.11.001.3001
Port (Note1)	USB2.0, UART
Power Consumption	0.5w
Power Supply (Note2)	USB (5V \pm 5% DC)
Refresh Rate	120
Channel	TX: 56 (MAX) RX: 96(MAX)
Sensor Size(Note3)	42"~55"
Operating Temp.	-20~70°C
Storage Temp.	-20~80°C
Max Touch Points	20 Points

Note:

1. UART_TX and UART_RX are both 3.3V level. Serial communication needs to be customized by the customer, and only USB communication is supported temporarily.
2. Both mini USB and USB interface can be work as power supply
3. Other custom sizes can also be supported.

OS Supported

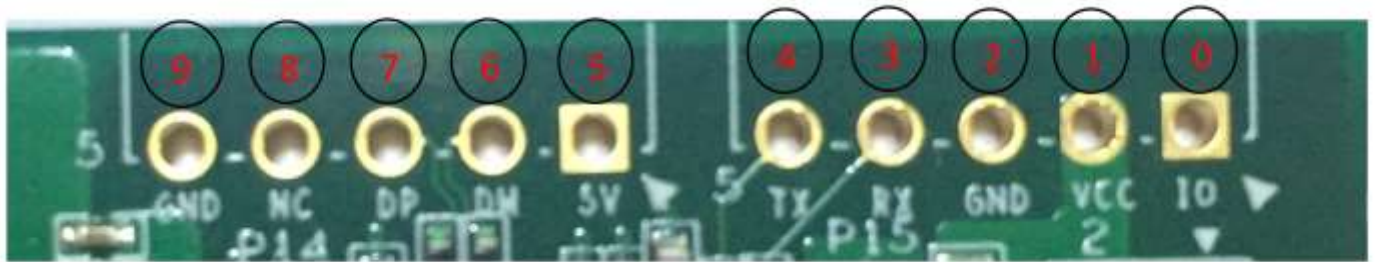
Operation System	Version	Touch Points	Ports
Windows	Win7	20	USB
	Win8	20	USB
	Win10	20	USB
Linux	Kernel 3.10 and above	20	USB
Android	Kernel 3.10 and above	20	USB



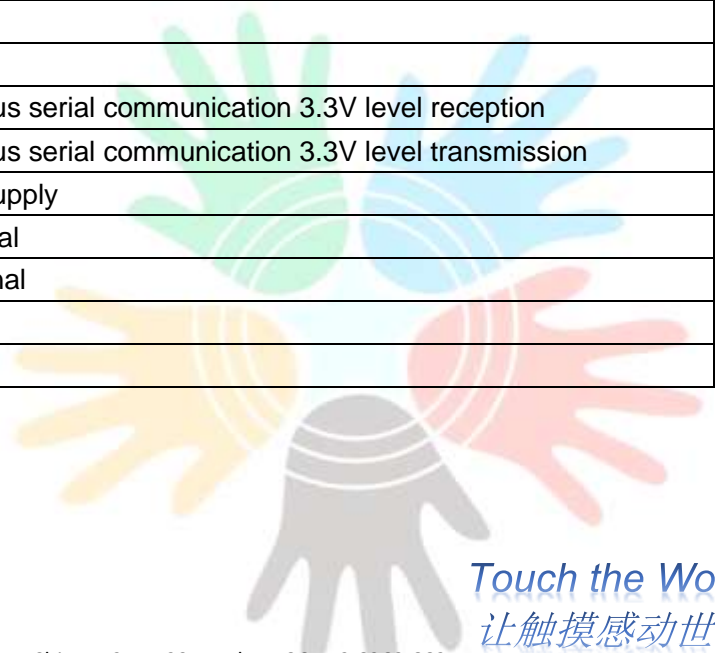
Outlook



PIN Definition



PIN	Mark	Type	Description
0	IO	PIN reserved	Reserved IO
1	VCC	Power	3.3V Power
2	GND	Power	Ground
3	RX	Signal	Asynchronous serial communication 3.3V level reception
4	TX	Signal	Asynchronous serial communication 3.3V level transmission
5	5V	Power	5V Power Supply
6	DM	Signal	USB D- signal
7	DP	Signal	USB D+ signal
8	NC	Empty Pin	Empty Pin
9	GND	Power	Ground



Touch the World
让触摸感动世界

J12 (80-Pin/Pin Pich=0.5mm)															
Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	RX01	RX02	RX03	RX04	RX05	RX06	RX07	RX08	RX09	RX10	RX11	RX12	RX13	RX14	RX15
Pin	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	RX16	RX17	RX18	RX19	RX20	RX21	RX22	RX23	RX24	RX25	RX26	RX27	RX28	RX29	RX30
Pin	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	RX31	RX32	RX33	RX34	RX35	RX36	RX37	RX38	RX39	RX40	RX41	RX42	RX43	RX44	RX45
Pin	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	RX46	RX47	RX48	RX49	RX50	RX51	RX52	RX53	RX54	RX55	RX56	RX57	RX58	RX59	RX60
Pin	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
	RX61	RX62	RX63	RX64	RX65	RX66	RX67	RX68	RX69	RX70	RX71	RX72	RX73	RX74	RX75
Pin	76	77	78	79	80										
	RX76	RX77	RX78	RX79	RX80										

J13 (80-Pin/Pin Pich=0.5mm)															
Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	RX80	RX81	RX82	RX83	RX84	RX85	RX86	RX87	RX88	RX89	RX90	RX91	RX92	RX93	RX94
Pin	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	RX95	RX96	GND	GND	GND	GND	GND	GND	TX01	TX02	TX03	TX04	TX05	TX06	TX07
Pin	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	TX08	TX09	TX10	TX11	TX12	TX13	TX14	TX15	TX16	TX17	TX18	TX19	TX20	TX21	TX22
Pin	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	TX23	TX24	TX25	TX26	TX27	TX28	TX29	TX30	TX31	TX32	TX33	TX34	TX35	TX36	TX37
Pin	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
	TX38	TX39	TX40	TX41	TX42	TX43	TX44	TX45	TX46	TX47	TX48	TX49	TX50	TX51	TX52
Pin	76	77	78	79	80										
	TX53	TX54	TX55	TX56	GND										

Controller Drawings

