

## SNT-STM(XTM) Controller Datasheet

Parts Description	Controller Board for Touch Foil
Parts Series	STM (XTM)
Material ID:	2M0109YX00
Version	1.0



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### 1. Basic Information and Datasheet

Port (Note1)	USB2.0, UART
Power Consumption	1W
Power Supply (Note1)	USB (5V +/-5% DC)
Report Rate	130
Channels	TX: 24 (max) RX: 48(max)
Recommended Size (Note3)	10"~32"
Working Temperature	-20~70°C
Storage Temperature	-20~80°C
Touch Points	12 Points

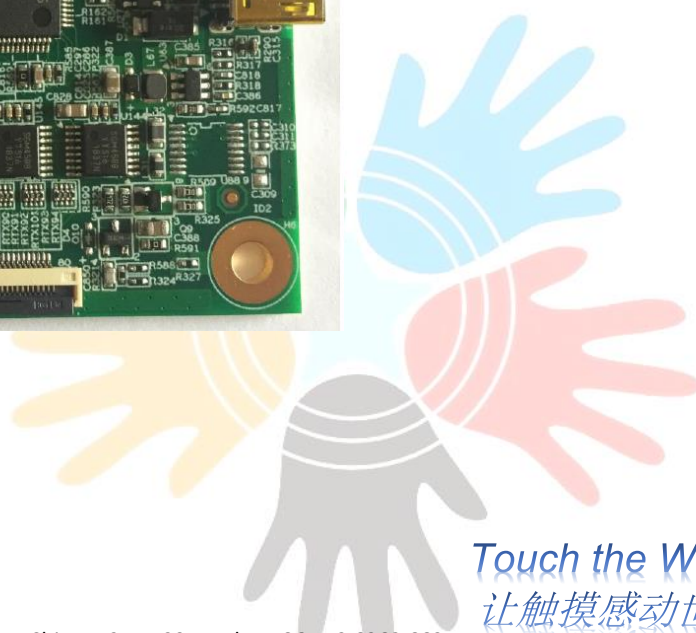
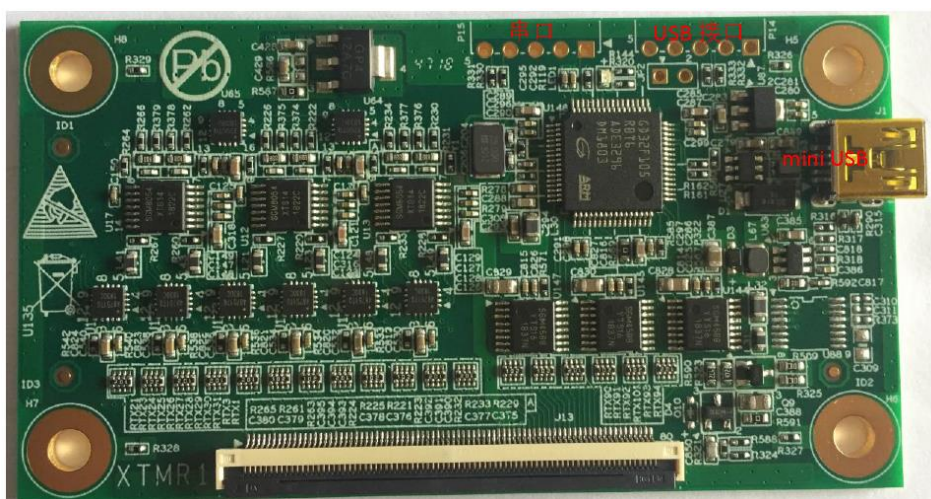
#### NOTE:

- UART\_TX, UART\_RX are all 3.3V level, other serial communication ports need to be defined by customer, temporarily only support USB communication.
- Mini-USB or USB power supply is available

### 2. Operation System Supports

Operation Systems	Version	Touch Points	Interface
Windows	Win7	12	USB
	Win8	12	USB
	Win10	12	USB
Linux	Kernel 3.10 and above	12	USB
Android	Kernel 3.10 and above	12	USB

### 3. Outlook



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#### 4. PIN Definition

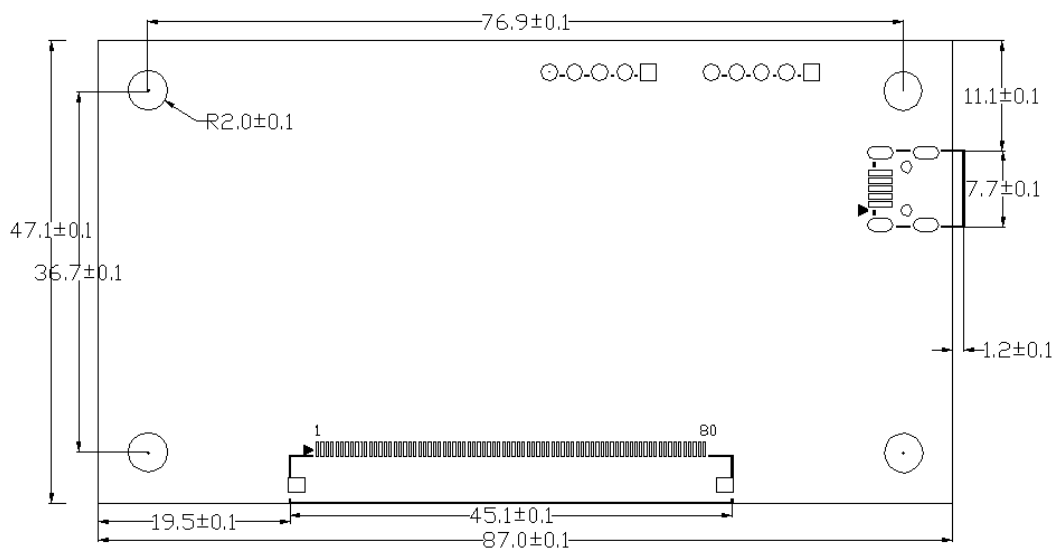


PIN	Mark	Type	Description
0	IO	Reserved pin	Reserved IO
1	VCC	Power	3.3V Power
2	GND	Power	Ground
3	RX	Signal	Asynchronous serial communication 3.3V level reception
4	TX	Signal	Asynchronous serial communication 3.3V level Sending
5	5V	Power	5V Power Supply
6	DM	Signal	USB D-signal
7	DP	Signal	USB D+signal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

J13 (80-Pin/Pin Pich=0.5mm)															
Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	GND	RX48	RX47	RX46	RX45	RX44	RX43	RX42	RX41	RX40	RX39	RX38	RX37	RX36	RX35
Pin	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	RX34	RX33	RX32	RX31	RX30	RX29	RX28	RX27	RX26	RX25	RX24	RX23	RX22	RX21	RX20
Pin	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	RX19	RX18	RX17	RX16	RX15	RX14	RX13	RX12	RX11	RX10	RX09	RX08	RX07	RX06	RX05
Pin	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	RX04	RX03	RX02	RX01	GND	GND	GND	GND	GND	GND	TX24	TX23	TX22	TX21	TX20
Pin	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
	TX19	TX18	TX17	TX16	TX15	TX14	TX13	TX12	TX11	TX10	TX09	TX08	TX07	TX06	TX05
Pin	76	77	78	79	80										
	TX04	TX03	TX02	TX01	GND										



5. Dimension



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