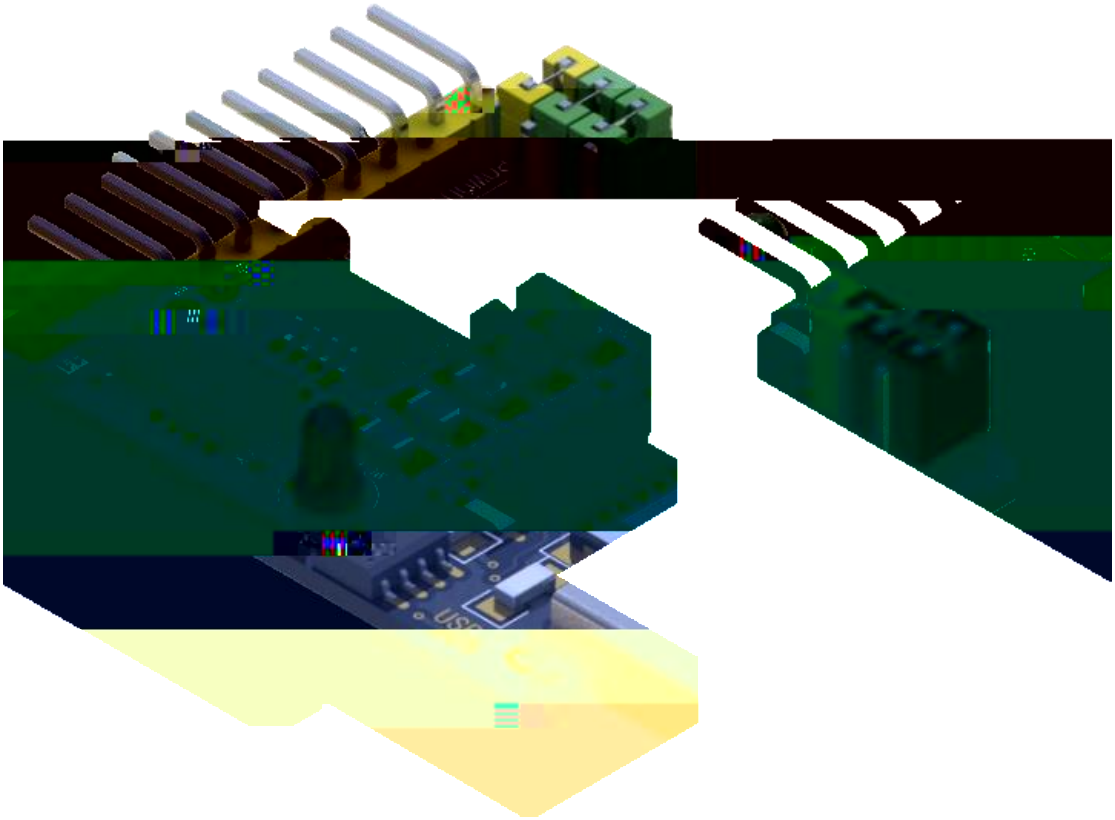
®

USB

UART/I2C/SMBus/1-Wire/SPI/CAN/PWM

USB2S

USB To Serial ports



V1.10 V1.31 V1.36

2021 5

2.1

USB2S USB 3~10V USB 5.0V
VIN=5.0V

2.2

USB2S 3.3
3.3V 5.0 VIN USB 5.0V

z

z 3.0~5.5V VIN 5.5V
VIN 3.3V **5.5V** **VIN** **3.3V**

=VIN=[illegible] =3.3V

z USB D+ D- **VCC/VWK**
VWK 3.3 5.0

2.3

1~4 4 V50 V33 VCC/VWK
GND

¾ V50 VIN USB 5.0V
¾ V33 VIN 3.3V
¾ VCC/VWK

z V33 500mA 300mA

TXD RXD
9 10 UART2 RXD TXD RXD TXD

UARTx 1200bps~921600bps
9600bps

2.7LCD

IIC LCD ư ∫

¾ ‘ [’ ‘] ’
¾

UART 254 64
128
10 1~3 ‘ 0 ’ ~ ‘ 9 ’ 16 2
‘ 0 ’ ~ ‘ 9 ’ ‘ A ’ ~ ‘ F ’

3.2.1S2S

[HELP]	
[UART1]	UART1 UART1
[UART2]	UART2
[IIC]	IIC
[SPI]	SPI
[WIRE]	1Wire
[WTnd]	n d H 16 D 10 S
[RDna]	n a A N
[WRn]	SPI /

[START]

0x01		

100kHz

3.3.3SPI

SPI 700kHz,MSB,L,B

[STSPI]baud xSB po ph

Baud kHz 5500 2700 1400 700

xSB MSB LSB

Po H SCK L SCK

Ph F B

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5500kHz ≈5543kHz

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COMx MCU USB2S UART
MCU UART1 UART2

UART I2C

5.1AT24CxxEEPROM

5.1.1

AT24Cxx EEPROM xx Kbits USB2S 1
AT24Cxx AT24C02 0xA0

AT24Cxx

1 IIC
2 IIC 0xA0
3 IIC EEPROM
4 IIC
5 IIC

1 IIC
2 IIC 0xA0
3 IIC EEPROM
4 IIC
5 IIC 0xA1
6 IIC
7 IIC

5.1.2 AT24C02

AT24C02 0~3 4 30 31 32 33
UART1 [IIC][START][WT6H]A0 00 30 31 32 33[STOP]
[IIC] IIC
[START]
[WT6H] 6 16
A0 00 2 AT24C02 + EEPROM
00 01 02 03 AT24C02 4
[STOP]

5.1.3 AT24C02

AT24C02 4 0
UART1 [IIC][START][WT2H]A0 00[START][WT1H]A1[RD4N][STOP]
UART1 4

UART1

5.3.1

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5.3.4 VM5xx

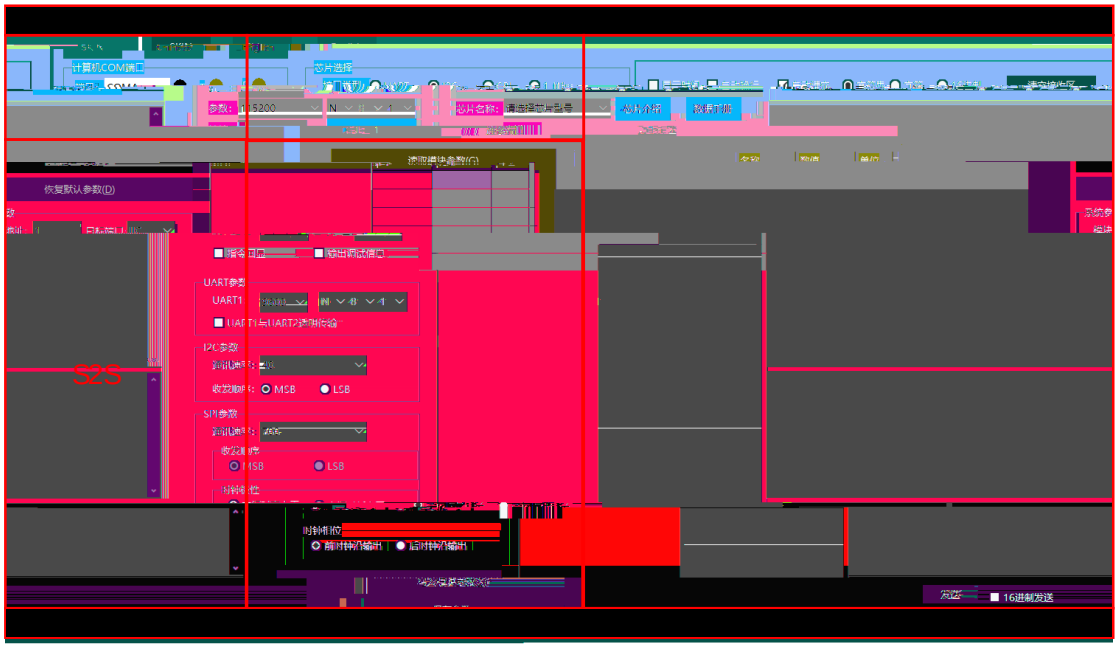
IIC VM5xx

S2STool

S2STool S2S Windows S2S

8.1S2STool

S2STool.exe



S2STool

¾ S2STool S2S S2S

S2STool

¾

¾ USB2S COM COM

¾ **S2S** S2S

¾

¾

¾ 16

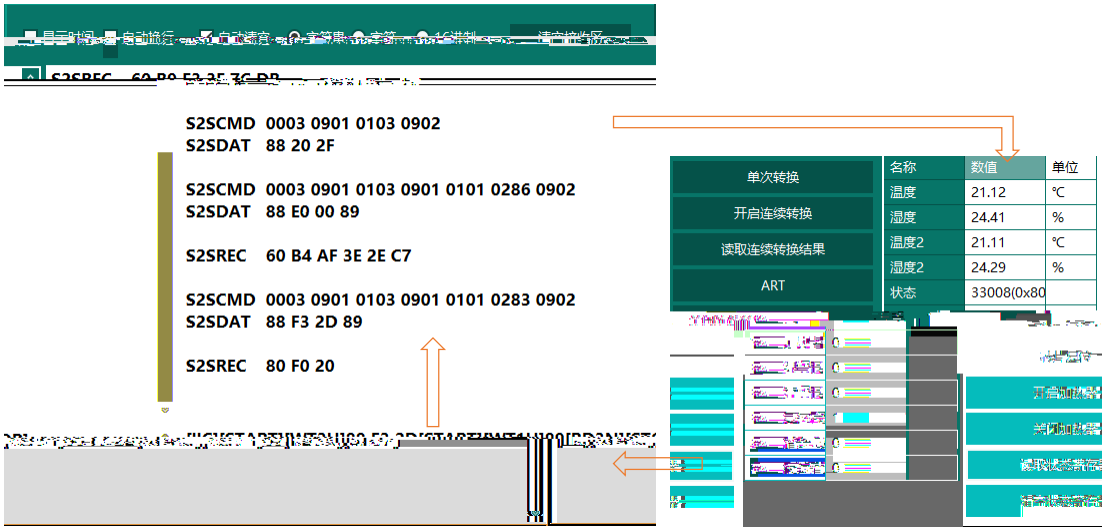
8.2

COM USB2S

USB2S COM “4.1 ” USB2S

9600bps

“COMx ”



S2S

S2S “ ” “ 4.2SHT3x

”

S2STool

chips 1 1

xml

chips

Xml “ Notepad++ ”

9.1

“ template.xml ”

V1.30 20191028

[FIND] [HELP]

2019 10

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