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**1.2V****1.2V****1.2V****1.2V**

|  |
| --- |
| **RESET** |
| **Serial****EEPROM** |

**for** **digital** **part** **for** **RF** **core****for** **PLL**

|  |
| --- |
| 4G\_Modlue |

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| --- |
| **Step-Down** **Regulator** |

|  |
| --- |
| **Antenna** **Connector** |

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| --- |
| **SDRAM****16Mx16** |

|  |
| --- |
| USB I/F |

 **2.4GHz** **TX0** **/RX0** **O/Ps** **from** **internal** **LDOs**10/100 TransformerRJ45x5**8M** **SPI****flash****7-35V****1.85V****1.85V****3.3V****3.3V**CDB

|  |
| --- |
| **20MHz****XTAL** |

A5 4 3 2 1 |  |
| D |
| C |
|  |
| B |
|  |
| A |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 |  | 4 |  | 3 |  | 2 |  | 1 |  |
|  | 3 NTXD14 HEADER 1 2 NRXD1VINJ124

|  |  |  |
| --- | --- | --- |
| 3.3VD162 115VCCVV6 1 2 8 RXD1 1 R35 0R 2 NRXD1 7 TXD1 1 R34 0R 2 NTXD1

|  |
| --- |
| 3 |

RXD 1 R39 0R 2 RXDB 9 2  2  1TXD 1 R38 0R 25 0.1uF,16V11TXDB 10UART12 NRXD10.1uF,16VC91 0.1uF,16VC+C-V+V-2 4NTXD1ZR1160pFRXDTXDZR2160pFVINJ3131412345610.1uF,16V 2 1C761 C714 U5CON63.3VDC87 0. 1uF,14

|  |
| --- |
| GNDR1IN R2INT1OUT T2OUTC2+C2-T1INT2INR1OUTR2OUT |

SP3232E |
| R S 4 8 5 串口电路1182251 210K/nc R301 22 3**E** **C**2 0402IN**B** 1 R79 4.7K RRXDB0402OUTTXDBRRXDBQ92N3904SOT23RXDB41637R28 10KR3210k/NCMAX13487EESA3.3VD0RU75V\_VDDC1090.1u1  2R20RXD1R2610KTXD15V\_VDD5V\_VDD10k1 2R31 R784.7K

|  |
| --- |
| DE /RE DO RIGNDVCCAB |

1   2 R8147K 04023.3VD**4** **8** **5** 的 **5** **V**平D转 为 **3.3V** |

 |  |
| D | D |
|  |  |
| C | C |
|  |  |
| B | B |
|  | **4** **8** **5** 的时候才安装这部分的物料 |  |
| A | A |
| 5 |  | 4 |  | 3 |  | 2 |  | 1 |  |

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| --- | --- | --- | --- | --- |
| 5 | 4 | 3 | 2 | 1 |
| D | 2 1RRAADTR\_GPIO11DCD\_GPIO12DTR\_GPIO11 2DCD\_GPIO12 3R11 3302311R12 33014LEDR8 330R7 3302210KD2 3.3VD1 14 1LEDD5R32 LINK42 LINK0

|  |
| --- |
|  |
| GND |

 | LINK4LINK0 | D |
| C | C |
|  | 13.3VDR444.7K | PADTP18 TP17PAD |  |
|  |  |
| B | SW22

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| 1 |

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| --- | --- |
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| 5 |
|  |

6 7 GNDGPIO0GPIO0**HW** **Reset/****Factory** **Default**3

|  |
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| 1267345 |

ST1114RGND | B |
| A | A |
|  |  |  |
| Title | T260S |
| SizeA | Document NumberLED\_SCH | RevV17 |
| Date: Tuesday, November 07, 2017 | Sheet 1 of 1 |
| 5 | 4 | 3 | 2 | 1 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 |  |  |  |  |  |  |  |  |  | D |
| D | TP1 DS-216B-P91 23 2l5973d8VIN OUT7GND SYSNC6VREF INH5FB COMP3.3VDL515uH/2A DIPTVS 100uF/50V/DIP**7-35V**SMAJ48CA4 522nF/0402R105.6K/!%D1B340A/SMDC44220PF+ + +C106220uF/6.3V220uF/6.320uF/6.3VS DVIN12 C4734R27S DC105 C30.1uF/04024.7K/0402E10K/1%R47R93.3K1%IN4753J6213PADR16TP2R134.7K1%U3EN+C528\*11D71N4728PADGNDVIN0R/NCD3 AP9561GM(SOP8)1 82 73 6B340A/SMD S DD4 G DU19R42100K/1%C116R431 Q810K/1% B C2N3906GNDD1836V过压保护GND |
|  |
|  | C |
| C | 3.3VD2 12 12 12 11123C8210uF0.1uFC8142 C80 C55 C77 C78 C79 10uF  0.1uF  0.1uF  0.1uF  0.1uFGND    GND GND GND GNDU12 SOC\_1.8VD3.3VD APL1117VC-18v

|  |
| --- |
| VoutADJ/GVinVout |

C8310uFGND GND GND | 5V\_VDD2GND2 1 D6 R18GPIO14 8

|  |
| --- |
| 2 GPIO19 |

DTR\_GPIO11DTR\_GPIO11GPIO191K1%EN 6LED 7R330RR360R/NC4351HT68F03C/SOP85V\_VDD3Vin1U4KIA78L05

|  |
| --- |
| PA7/RES PA5 PA6 VDDPA2 PA1 PA0VSS |

U6GNDGND5V\_VDDVINoutC85 C840.1uF 10uFGND |
|  | B |
| B |
| A | A |
|  |
|  |  |
| Title | T260S |
| SizeB | Document NumberPOWER\_SCH | RevV17 |
| Date: Saturday , October 27 , 2018 | Sheet 1 of 1 |
| 5 |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- |
| 5 | 4 | 3 | 2 | 1 |
| D | **PCI-e** **Interface** **for** **SIM** **Card** |  |  | D |
| SIM\_PWR57GND58GND59GND60GND61GND62GND63GND56GND55GND54GND53GND9GND1 22 12 3ND 1GND RESET\_NReserved CLKREQ# GND REFCLK- REFCLK+ GNDReserved Reserved GND PERn0PERp0GNDGNDPETn0PETp0GNDGND+3.3V+3.3VVDD RST CLK NCU2VSS NC I/O NCSIM1.5 Vlot UIM PWR UIM\_DATA UIM\_CLK UIM\_RESET UIM\_VPPGND W\_DISABLE# PERST# +3.3VGND1.5 Volt SMB CLK SMB Data GND USB\_D- USB\_D+ GND LED\_WWAN#22 RESET\_N式 SIM卡PERST#1 R2 0GND3.3VDGND Reserved Reserved Reserved Reserved**TOP**LED\_WLAN# LED\_WPAN# 1.5 Volt GND+3.3V**BOT**+3.3V GNDWAKE# ReservedGPIO13高电平 有 效DSRSIM Card抽屉GNDR1 5.1KW\_DISAB1LESIM\_PWR3.3VDGNDDMDP15263748Q11 R5 2.2KDTC114EKAR64.7K4951GNDPCIe\_MiniCardU1C1-VCC C5-vpp C2-RST C6-DATA C3-CLK C7-NC C4\_GND C8-NCR444464850521234652468101214161820222426283032343638409GND10GNDGND3.3VD GND3.3VDJ15.1K13579111315717192123252729313335373942434547C10.1uFGNDGNDGND C2 0.1uFGND | J2**TOP****BOT**58GNDWAKE# RESERVED RESERVED CLKREQ# GND REFCLK- REFCLK+ GNDRESERVED RESERVEDGNDPERn0PERp0GNDGNDPETn0PETp0GNDRESERVED RESERVED RESERVED RESERVED RESERVED RESERVED RESERVED RESERVED+3.3V GND +1.5V RESERVED RESERVED RESERVED RESERVED RESERVEDGND RESERVED PERST# +3.3Vaux GND+1.5V SMB\_CLK SMB\_DATA GND USB\_D- USB\_D+ GND LED\_WWAN# LED\_WLAN# LED\_WPAN# +1.5VDTR\_GPIO1131 DCD\_GPIO1233 GND 3537I2C\_SCLK 7.8.9.10  GPDTR\_GPIO11DCD\_GPIO12I2C\_DATA I2C\_SCLKDM DPGPIO0GND +3.3VI2C\_DATAUART\_RXUART\_TXGPIO19GNDGNDGPIO14GPIO13 DSRDSRGNDCTSRTSGND41GNDRXDTXDGNDCTS3.3VDLINK0LINK4468101214161820222426283049GND 51R174.7K363840424446485013579111315171921232527292GNDLINK4RXIM0RXIP0TXOM0TXOP0LINK0RINTXOP4TXOM4RXIP4RTSRXIM4GND3234DMDP39GPIO0434547GND52GNDMiniCard\_Card-v11-half**R** **T** **5** **3** **5** **0** 模组接口标识J11 3.3VD 3 UART\_TX44 HEADER GND |
| C | C |
|  | 2

|  |
| --- |
| SMA/UFLR |

3 1TP7PADCON1GNDGND | 2

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| --- |
| SMA/UFLR |

3 1TP8PADCON2GNDGND |

|  |  |
| --- | --- |
| 12 | RXIM0 |
| 6 |
| 7 | RXIP0 |
| 8 | TXOM0 |
| 9 |
| 10 | TXOP0 |
|  |  |

16 PRXIM0 1514 PRXIP0 131211 PTXOM0 109 PTXOP0SOC\_1.8VD GNDTXOP0 1RXIP0 4TX+ CT TX- NCNC RX+ CT RX-R14 49.9 3 TXOM0  2 11 RXIM0 5RXIM0R21 49.9 RXIP010.1uFC25T1TD+ CT TD- NCNC RD+ CT RD-132123451

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| --- | --- | --- |
| 12 |  | TXOP4 |
| 6 |  |
| 7 | T | XOM4 |
| 8 |  | RXIP4 |
| 9 |  |
| 10 |  | RXIM4 |
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| --- | --- |
| TXOM4 | 12 |
| TXOP4 | 3 |
|  | 4 |

TXOM4 4RXIM4 1TD+ CT TD- NCNC RD+ CT RD-TX+ CT TX- NCNC RX+ CT RX-R25 49.91R19 49.91R23 49.91 3 RXIP4  2 11 TXOP4 5PRXIP4PRXIM4C28104/16V/X5RC29GND1315141312111092225RXIP4 67RXIM4 8GNDTVS\_RClamp2574N 0.1uF GNDTVS\_RClamp2574NPTXOM4PTXOP4SOC\_1.8VD GNDC32 C31C30GND8TXOM0104/16V/X5RR15 49.9GNDSOC\_1.8VD SOC\_1.8VDGNDU9222C24 0.1uF2 1T216

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| GNDGND GNDLine 4 in Line 4 outLine 3 in Line 3 outGND GNDLine 2 in Line 2 outLine 1 in Line 1 out |

U8 0.1uFGND HST-0041

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| GNDGND GNDLine 4 in Line 4 outLine 3 in Line 3 outGND GNDLine 2 in Line 2 outLine 1 in Line 1 out |

C27R22 49.9167R24 49.9 TXOP01104/16V/X5R 104/16V/X5R   GND HST-0041GND GND |

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| --- | --- | --- | --- |
|  |  |  | 7 PTXOM0 6 |
| 5 |
|  |  |
| PTXOP0 3 |
| PRXIP0 2 |
| PRXIM0 1 |

1011

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| --- |
| 912 |

PAD PAD PAD PAD 8RJ45TP12 TP11 TP10 TP9

|  |
| --- |
| GNDS GNDS GNDS GNDSNC NC RX- NC NC RX+ TX- TX+ |

J8GND |  |
| B | B |
| RJ45

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | 7 PTXOM4 6 |
| 5 4 PTXOP4 3 |
| PRXIP4 | 2 |
| PRXIM4 | 1 |

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| --- |
| 11 |
|  12  |

PAD PAD PAD PAD 8109TP15 TP16 TP14 TP13

|  |
| --- |
| GNDS GNDS GNDS GNDSNC NC RX- NC NC RX+ TX- TX+ |

J9 GND |
|  | TP19 TP20 TP21 TP22PAD PAD PAD PADGND |  |
|  |  |
| A |  | A |
|  |  |  |
| 5 | 4 | 3 | 2 | 1 |