**AI Core X**

**Quick Installation Guide**

**REVISION HISTORY**

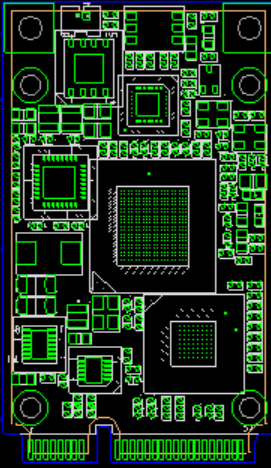
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| --- | --- | --- |
| Revision | Date | Comments |
| A0.1 | 2018/08/17 | Initial Version |
| A0.2 | 2018/11/21 |  |
| A0.3 | 2019/02/18 |  |
|  |  |  |
|  |  |  |

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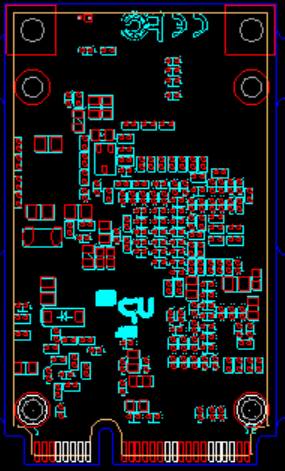
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4. **MINI MYX V0.2 Board Layout  
   TOP**

SW1

CN3



CN1

**BOTTOM** 

1. **Connector References  
   Connector Index**

|  |  |  |
| --- | --- | --- |
| Reference Designation | Functional Description | Connector Type |
| CN1 | MINI PCIE | PCIE CONN 52pin |
| CN3 | FAN | (TF)WAFER BOX.2P.180D(M).DIP.1.25mm.PINREX.712-71-02TW01 |
| SW1 | SWITCH | (TF)SWITCH.3S.6P.SOJ.24V.25mA.pitch=1.27mm.180D.SMD.BIWIN.SOJ03-R |

1. **Connector Pin Assignments**

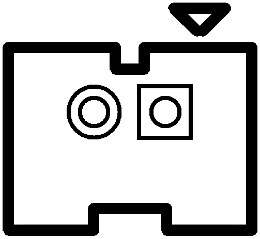
CN1: MINI PCIE

▲



|  |  |  |  |
| --- | --- | --- | --- |
| Pin | Signal Description | Pin | Signal Description |
| 1 | WAKE# | 2 | 3.3V |
| 3 | NC | 4 | GND |
| 5 | NC | 6 | 1.5V |
| 7 | PCIE\_CLKREQ# | 8 | NC |
| 9 | GND | 10 | NC |
| 11 | PCIE\_CLK\_N | 12 | NC |
| 13 | PCIE\_CLK\_P | 14 | NC |
| 15 | GND | 16 | NC |
| 17 | NC | 18 | GND |
| 19 | NC | 20 | DISABLE# |
| 21 | GND | 22 | RESET# |
| 23 | PCIE\_TXN | 24 | 3.3V |
| 25 | PCIE\_TXP | 26 | GND |
| 27 | GND | 28 | 1.5V |
| 29 | GND | 30 | NC |
| 31 | PCIE\_RXN | 32 | NC |
| 33 | PCIE\_RXP | 34 | GND |
| 35 | GND | 36 | USB2\_DM |
| 37 | GND | 38 | USB2\_DP |
| 39 | 3.3V | 40 | GND |
| 41 | 3.3V | 42 | NC |
| 43 | GND | 44 | NC |
| 45 | NC | 46 | NC |
| 47 | NC | 48 | NC |
| 49 | NC | 50 | GND |
| 51 | NC | 52 | 3.3V |

CN3: FAN



|  |  |  |  |
| --- | --- | --- | --- |
| Pin | Signal Description | Pin | Signal Description |
| 1 | 5V | 2 | GND |

SW1: Switch



|  |  |  |  |
| --- | --- | --- | --- |
| SW Value | | | Board ID |
| 3 | 2 | 1 |
| Off | Off | Off | 0 |
| Off | Off | On | 1 |
| Off | On | Off | 2 |
| Off | On | On | 3 |
| On | Off | Off | 4 |
| On | Off | On | 5 |
| On | On | Off | 6 |
| On | On | On | 7 |