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POWER SUPPLY ESTIMATES (2 CARDS RUNNING):

SOURCE
VDD5V - 5.0V / 1838mA (80% efficiency)

GPI0_PROG_VOLTAGE - 3.3V/52mA

LOADS
3V3_PCIE - 3.3V / 1000mA
1V5_PCIE - 1.5V / 250mA
3V3_mSATA - 3.3V / 1000mA
1V5_mSATA - 1.5V / 250mA
GPIO_PROG_VOLTAGE = 3.3VDC

TPS79333 (200mA LDO)
### GPIO_PROG_VOLTAGE = 3.3V

#### Truth Table

<table>
<thead>
<tr>
<th>Card1 Detect</th>
<th>Card1 TYPE</th>
<th>3V3_mPCIмонтаж ENB</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (CD INST)</td>
<td>0 (PCIء CD)</td>
<td>0 (TURN ON PSD)</td>
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<tr>
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<td>1</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

---

### TL1963A (1500mA LDO)

- **Pinout:**
  - 1: GND
  - 2: OUT
  - 3: GND1
  - 4: ADJ
  - 5: GND2

### TPS73615DBVR (400mA LDO)

- **Pinout:**
  - 1: IN
  - 2: GND
  - 3: EN
  - 4: TVS_mPCIмонтаж NR
  - 5: TVS_mPCIмонтаж ENB

---

**mPCIء POWER**

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**MINNOWMAX SEACAT LURE**

1300 Presidential Dr Ste#100
Richardson, TX 75081

**MINNOW_TEAM**

Sheet 4 of 7
Truth Table

<table>
<thead>
<tr>
<th>Card2_Detect</th>
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<th>3V3_mSATA_ENB</th>
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<tr>
<td>0 (CD INST)</td>
<td>1 (CD MSATA)</td>
<td>0 (PWR ON)</td>
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<td>0</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**GPIO_PROG_VOLTAGE = 3.3V**

**TL1963A (1500mA LDO)**

**TPS73615DBVR (400mA LDO)**

**mSATA POWER**

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ID EEPROM / I2C / GPIO