TS-7400-V2
Industrial Temp = Default

<table>
<thead>
<tr>
<th>Changes Rev.A to Rev.B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change USB TVS (old one EOL)</td>
</tr>
<tr>
<td>Change NAND to eMMC chip</td>
</tr>
<tr>
<td>Change Boot Straps for eMMC</td>
</tr>
<tr>
<td>5V Reg - add 100 uF at output</td>
</tr>
<tr>
<td>5V Reg - add catch diode</td>
</tr>
<tr>
<td>5V Reg - add 22uF on Input</td>
</tr>
<tr>
<td>Change CPU and RAM to Ind. Temp</td>
</tr>
</tbody>
</table>

No Change in M0 code
10/100 Ethernet

Mode input latched on rising edge of Reset
These can be set via MDC or via Reset

PHY address and modes latched on rising edge of Reset#

MDIO bus can not be used until 100 us after
Reset# is deasserted

MDCLK max is 2.5 MHz

Auto MDIX is supported and
Polarity Correction supported

RJ45
### Aux. 3.3V Reg

![Aux. 3.3V Reg Diagram]

### RAM 1.8V Reg

![RAM 1.8V Reg Diagram]

### Boot Strap Bias Res.

- Defaults to eMMC
  - Jumper forces SD Boot
  - Select Boot eMMC or SD only

### CPU BATT 3.7V

- Optional
- This Reg only required for extra low power mode
  - MX286 will not work below -20 Celsius with this Reg.
RTC, RS-232 and Analog

RTC and Temp. Sensor

RS-232 Tran.

Analog Inputs

Red/Green LEDs
**Flash Memory**

**Micro SD Card Socket**

Only one SD card can be installed!

**eMMC 4GB**

RN12 indicates eMMC installed.
Optional 5V Power Supply (2000 mA)

8-28 VDC
Power Input

5V Power Barrel Conn.

CAN Transceiver

C91 must be very near U17

TJA1040 allows low power 15 uA mode