Architecture Error

01 Jun 2011
06 Jun 2011
Unconnected I2C interruption
Net RTM_I2C_INT that services Ethernet PHYs through PCA9534 ha no connection from PCA9534 to ATCA Carrier module.
Should be connected to either Fabric connector or Power Connector.
Top be decided by Project Leaders.
6-June-2011 (ACombo): Talk with Pinto and Miguelfc reached the conclusion that signal is NOT REQUIRED since in RTM there are no Master I2C. In this condition there is no need to have interruption request back to Host.
-No Value-
Closed

07 Jun 2011
07 Jun 2011
RTM Signals Terminations
A review in the RTM power Signals has revealed some inconsistencies.
1- I2C signals (SCL and SDA) did not have 33k+/-10% pullup resistor, ad is required.
2- As requested in PICMG AMC 2.0, R2.0 standard, the signal PS1# (in RTM only PS#) should be connected pulled-down trough a shottky diode to ground.
Corrected.

- Added pull-up resistors on incoming I2C signals from Carrier.
- Added Schottky diode on PS# signal.
- Maintained 10k pull-up resistors on local I2C lines.
- >Local ENABLE# is NOT connected.

Corrected

07 Jun 2011
07 Jun 2011
Request for Change I2C distribution Scheme
6 June 2011. Requested for change RTM I2C internal distribution Scheme replacing the I2C to GPIO by a I2C multiplexer.
(Requester: Toquim, APinto.
Confirmed by MCorreia)
The replacement was recommended to use the following part: PCA9546A .

- Replaced component by an I2C multiplexer as requested.
- The Address specified to this component was: **0x70**.

Corrected

Contextual Error

07 Jun 2011
07 Jun 2011
IRTM Power connector specification changes.
Due to a IRTM specification changes there is a incompatibility in the RTM Power connector. A A schematic update to PICMG3.8, R1.0, D0.9xc specification is Required
- Latest specification received on 6 June 2011.

- The Power IRTM connector pinous was updated to match PICMG3.8, R1.0, D0.9xc. (**Note**: The previous pinout was according PICMG3.8, R1.0, D0.7. PICMG3.8, R1.0, D0.9 still has minor differences.);

Corrected

Manufacturing

15 Jun 2011
15 Jun 2011
Non-Plated Holes errors
NPTH specified for the highlighted hole, but the corresponding copper pad is larger than these holes and some holes are connected with the trace.
- Lusodabel Issue
15-June-2011. Received and corrected Issue.
Corrected

15 Jun 2011
15 Jun 2011
Silk Screen Manufacturing Issue
The spacing between highlighted (0201 footprint) pads is too small to build the silkscreen dam.
- Lusodabel: They suggested to Delete the SilkScreen.
15-June-2011: The SilcScreen was deleted in 0201 footprint.
Corrected

PCB Error

04 Jun 2011
06 Jun 2011
Shifted Board outline
The Board outline was shifted regarding the 0:0 coordinate (given by standard). All remaining planes must be trimmed. Components do not require shifting.
- Already corrected Board outline (x30.brd)

06-June-2001 (ACombo): Board outline was shifted and REDRAW. Changes were made regarding board width, due to discrepancies in forma factor. The PICMG 3.0 Base specification was used.
-No Value-
Corrected
04 Jun 2011

06 Jun 2011
Wrong Alignment key positioning
Mid-way RTM alignment key is at wrong position.
Detected by Miguel.
06-June-2011 (ACombo): There is a discrepancy between PICMG 3.8 R1.0 D0.9 (Section 2.3.1.1) and PICMG 3.0, R3.0 (Section 3.1.1) regarding ARTM dimensions. This affects key alignment at mi-way module.
06-June-2011 (ACombo): Decision to have ARTM board with dimensions presented in PICMG 3.0, R3.0 (Section 3.1.1) . The Alignment key was positioned according that standard. ARTM standard was ignored regarding this particular point.
-No Value-
Corrected