ATX Power Input

P1
ATX-24

PWR_OK   8 PWR_OK   PS_ON# 16 PS_ON
+12V   10 +12V
+5V   4 +5V
+5VSB   9 +5VSB
+3V3   1 +3.3V
-12V   14 -12V
GND   3 GND

WTX Power Output

P2
COMPAQ_P24

+3V3
+5V
+12V

1   +3.3V   +3.3V   13   +3V3
2   +3.3V   +3.3V   14
3   GND   GND   15   GND
4   +5V   PS_ON   16   PS_ON
5   GND   GND   17   GND
6   +5V   GND   18   GND
7   PWRGOOD   GND   19   GND   -12V
8   +3.3V_SB   -12V   20   +12V
9   +5V_SB   GND   21   GND
10 +12V   +12V   22   +3V3
11 +3.3V_SB   +3.3V   23   from 13
12 Fan_CMD   Fan_Sink 24 FAN_SINK

PWR_OK
+3V3_SB
+5VSB
+3V3_SB
FAN_CMD

3.3V Standby Generator

+5VSB

U2
AP63203WU

C1 10uF
ENABLE
R3 100K
R4 100K

3 IN   SW   5   L1 4.7uH
6 BST
2 EN   FB   1
4 GND

C4 0.1uF
C2 22uF
C3 22uF

+3V3_SB

GND

Inverting active high Compaq PS_ON signal

PS_ON
R2 56

PS_ON   R1 15K   Q1 MMBT3904
1   3
2

GND

Designed by Rigo Reddig
Cynetio
Sheet: /
File: Compaq 24 pin adapter.kicad_sch
Title: ATX to Compaq WTX Mainboard adapter
Size: A4   Date: 2023-07-10   Rev: 1.0
KiCad E.D.A. 8.0.8   Id: 1/1