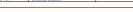
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Project: BW1097 Current Revision: R2M2E3

BW1097 Revision History:

Date	Revision	Reason for Change	Changes Implemented
8/2/2019	R0M0E0 -> R0M0E1	 In Born (Line 63 & 66). R28. R31, R32. R33, R35. R37. RR34. R36. Your PCB soldering paid s Old esigned, but your Bom list in 6003 parts. (Line 88) X1, ABM3B-25. It seems your PCB solder pad too small. R48 was mistakenly placed as an 0402, but should have been an 0603. 	1) Updated parts R28, R31, R32, R33, R35, R37 to 0402 parts with the same characteristics (10k 1%), and updated R35 and R27 to 0402 parts with same characteristics (20k 1%), and updated R31 to the either Epson FA-20H 25,0000MD30Y-C5 or TXC 8Z-25,000MAAI-T, both of which are 2,5x2,0mm 3) Updated R48 with part of same characteristics, but in 0402 package. 3) Updated R48 with part of same characteristics, but in 0402 package.
8/30/2019	ROMOE1 -> R1M1E2	1) Power LED does not turn on, even though power is good. 2) MIC2026-2 was incorrectly used where MIC2026-1 should have been used. 3) RJ-45 connector footprint was wrong, preventing Ethernet from working. 4) Original BW1097 tool large. 5) Audio buffer wrong component. Needs to be NCTWZ16P6X. 6) Existing barrel jack does not work well with reduced form factor PCBA due t large thru-holes interfering with SODIMM. 7) Want to allow 4th USB port of LAN9514 to be routed to 4pin header as optio for end users. 8) Audio Lett/Right outputs have wrong polarity. 9) SDA/SCL lines for CM3 DSI/CSI are swapped. 10) BW1097 board. BW1097 board. 11) Vertical RaspPt-CSI/DSI connectors are difficult to work with when flex is inserted and PCB is laying flat on table. 12) Fansink for BW1099 will need 5/ power from baseboard.	7) Added 4 pin. 0.100° pitch header to support auxiliary USB port (Port 5, LAN9514), along with 0R resistor neomecting USB_AUX_VBUS directly to 5V. 8) Swapped polarity of LR channels on AV schematic 9) Swapped polarity of SCL/SDA on SODIMM schematic 10) Added user button to press to put 1099 nine RST, and added an open drain FET, controlled by CM3
11/29/2019	R1M1E2 -> R2M2E3	1) Updating board to be aligned with Gen2 1099 boards, with SPI and uSD 2) Header jumpers are unnecessary and expensive, and can be repaleed with a simpler solution 3) Existing design was not standardized on LuxonisMaster library format 4) Series input power resistor is a sense resistor, but should be 0 ohm 5) The OVD282 LDOs have unnecessary components compared to the most recer baseboards 6) Depopped R26 had no set component value. 7) HDMI connector footprint was found to be slightly crooked 8) PGOOD LED driver did not match other boards 9) DMGI012 FETs were automotive qualified, changed to non-automotive for entry into LuxonisMaster 10) Passive component equivalent part substitions as library was built up	I) Leveraged 1098/0BC connector schematic. Updated J1 Hirose connector to be the Gen2 version with proper pin names, Added three 10-pin headers (not populated) to break out AUX ios, PIio, and uSD io, same as on 1098/0BC. Updated schematic net names, harnesses and connections to accommodate the Gen2 changes. 2) Removed header jumpers and exchanged with resistor jumper networks. 8) Updated schematic and component information to align with LuxonisMaster library system. 4) Changed input series resistor to 0603 0ohm to match 1098/0BC (1098/FPC, and 1094. 5) Removed RC (cricuit on 0V2922 LDOs to match 1098/0BC (1098/FPC, and 1094. 5) Removed RC (cricuit on 0V2922 LDOs to match 1098/0BC (10) Added 47K as default, but R26 remains depopulated 7D (apvoid 1978) (10) Corrected HIMM footprint to match recommended PCB layout from Wurth 685119134923 8) Changed transistor on PGOOD LED to be REI CIOUZUNTCL, to match other boards (QS) (9) Changed from DMG1012TC-7 to DMG1012TC-7 (10), QC, QC, QC, QC, QC) (10) Many passive components did not exist in LuxonisMaster, so in some cases, equivalent from a different manufacturer are used. For 332R and 100K resistors, all were standardized to 0402, rather than a mix of size.

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