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Project: BW10980AK
Current Revision: R1M0E1

BW1098OAK Revision History:

Date	Revision	Reason for Change	Changes Implemented	
10/21/2019	Initial release			
11/27/2019	BW1098OBC_R0M0E0 -> BW1098OBC_R1M0E1	1) Decoupling capacitors too close to OV9282 camera module body 2) Overlay on OV9282 camera module body too wide and should match outline of module body 3) Left/Right camera convention doens't match verbiage in schematic	1) Moved C7, C8, C9 and C12 a bit farther from the J3 (Left) camera module. Moved C23 and C25 a bit farther away from J0 (Right) camera module. 2) Updated the overlay for right and left (OVO282 camera modules so that it outlined the 3D Body layer. This should match the camera module body outline and make it easier to mount and aligne the modules. 3) Corrected wording	
06/04/2020	BW1098OBC_R1M0E1 -> BW1098OBC_R2M0E2	1) Add ideal diodes to USB and barrel jack for OR power 2) Shutter sync config needs to be FSIN1/FSIN2 3) Need more room for labeling	1) Removed R5 and R6 06mm 0603 resistors from barrel jack and USB power inputs and added 2x LM66100 ideal diodes to USB side and 1st PC (40) 2) Removed R23 and R28 from BOM and added R24 and R26 (same PN) 3) Reduced labeling on front side to allow for stickers and future labeling	
09/17/2020	BW1098OBC_R2M0E2 -> BW1098OAK_R0M0E0	1) Add MU circuitry, configured for SPI 2) Improve ESD protection on USB 3) Aux RST circuit pads no longer needed 4) Some users accidentially plug in -5V barrel jack 5) Adjust mechanical feautres to fit enclosure design	1) BNOSS circuitry added, configured for LSV IO SPI interface w/ SPIO bus 2) Added ESD protection on USB 3) Removed Aux RST circuit from design 4) Removed Aux RST circuit from design 4) Added SP, 6V zener to design for ESD and input protection 5) Added 22. Imm locating holes on each arm, and used board-edge mounting slots rather than the existing screw mounts. These slots are board-outline-defined, so the mounting holes were deleted from the schematic.	
04/21/2021	BW1098OAK_R0M0E0> R1M0E1	1) Slow plug issue with USB type-C 2) Update sync circuitry	1. Added IuF capacitor to VBUS_DET updated PCB and fabrication files 2) Updated sync circuity	

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