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Project: DM1090 Current Revision: R3M0E3

DM1090 Revision History:

Date	Revision	Reason for Change	Changes Implemented	
12/28/2020	RIMIE2 -> ROMOEO	1) ESD protection 2) FPC connection 2) FPC connection 3) Updating board with overvoltage protection and ideal diode to or USB VBUS and Barrel jack 5V 4) Outdated stack 5) Unused rest circuit of Unused Strobe Configuration resistors	D) Added protection diodes to MIPI lines 2) Changed FFC with Molex 505278 series 3) Added ideal diodes and zener diode for protection 4) Standarized 41. Extackup rerorested all differential pairs and tuned lengths 5) Deleted reset circuit and its components and reroruted signals 6) Deleted strobe configuration resistors with coresponding silk and tracks	
02/12/2020	DM1098FFC R0M0E0 -> DM1090FFC R0M0E0	1). Add IMU 2). Change PFC connectors type and pinout to ArduCam standard so that camera modules from Arducam can be connected directly without board adapter 3). Add BOOT_SEL button to PCB	1) Added IMU from OAK-D and modified length tunning for SP is connector [Changed FFC connectors to AddCam standard prioust, updated all connections to the connectors. Cameras from Arducame can be connected with same side dedicated FFC. Cameras from Nover and LDO with switcher with higher ampacity to supply camera modules 3) Added push-button connected to 1V8 and BOOT_SEL pin on BW 1099 connector	
	DM1090FFC R0M0E0 -> DM1090FFC R1M1E1	1) move CBA connectors closer to the edge (collision with J3 JTAG connector on SoA) 2) Slow plug issue (add 1uF capacitor) 3) Update USB type-C switch	1) updated FFC connectors footprint and moved to the edge 2) Added luf-appairor to USB detect 3) Updated USB type-C switch part number	
	RIMIEI -> R2MIEI	 Since multiple options for connecting cameras RGB text should be changed for CAM_C on silkscreen 	1) RGB text changed for CENTER camera on silkscreen	
	R2M1E1 -> R3M1E2	1) Change USB switch with NXP part	Changed USB switch with NXP part (100nF caps added)	
02/14/2022	R3M1E2 -> R3M1E3	1) Lower the series resistor value (resistance) on the FSYNC line	1) Changed R14 from 10k to 22R	

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