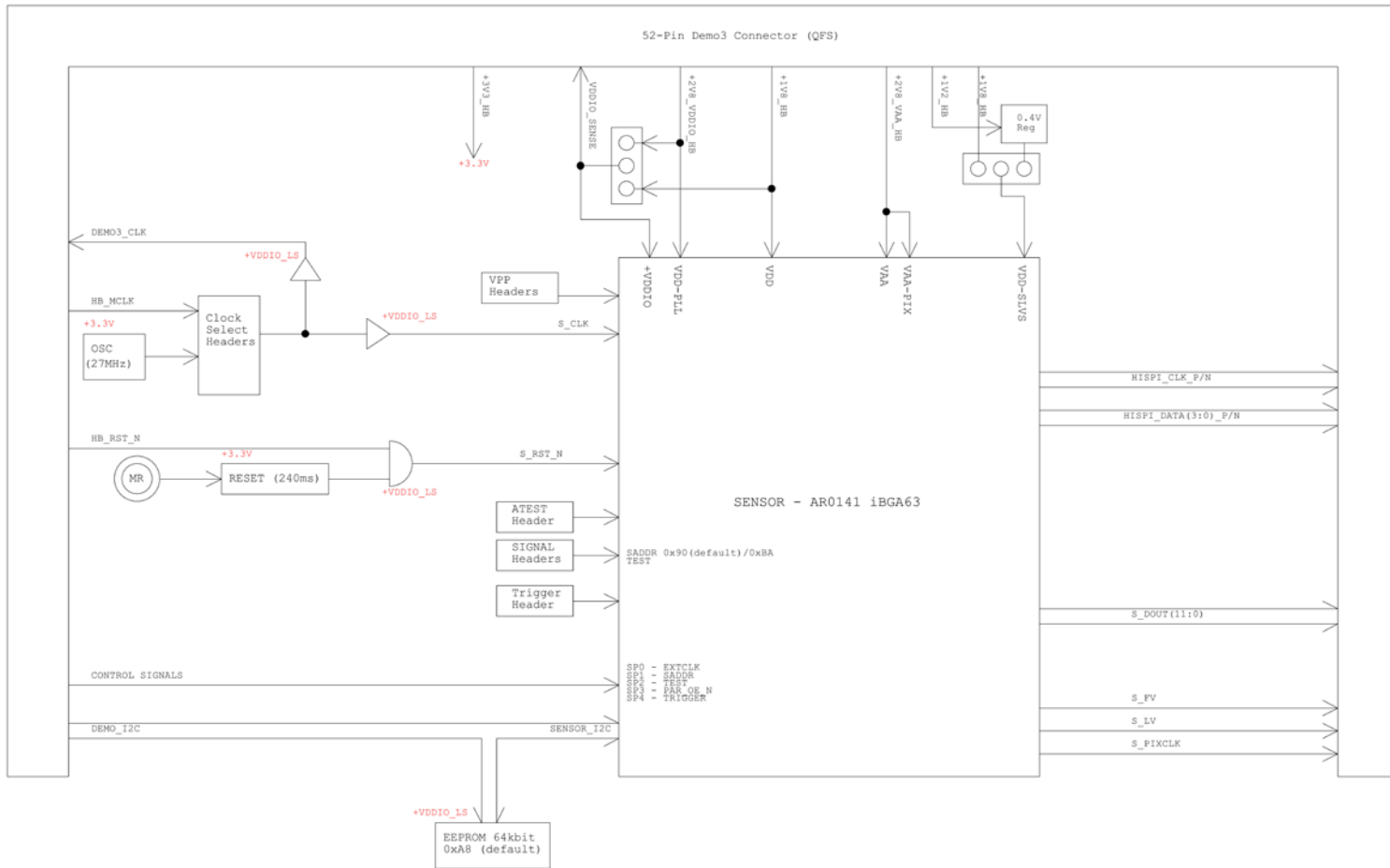


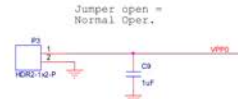
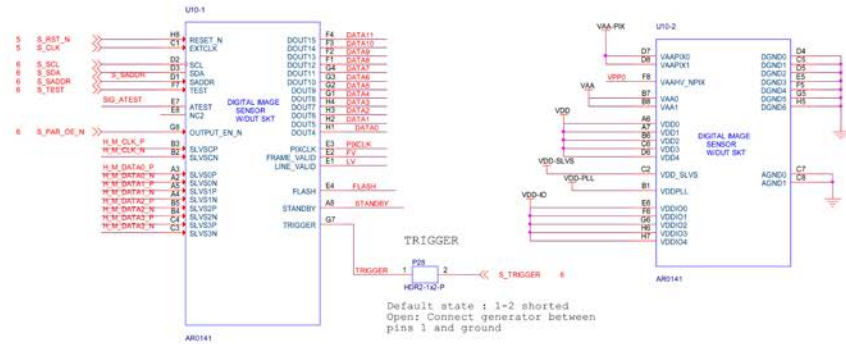
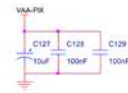
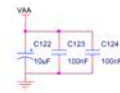
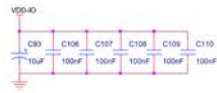
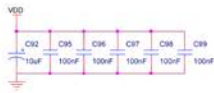
Schematic for the AR0140CS2C00SUEAH3-GEVB Evaluation Board

Block Diagram

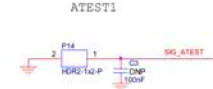
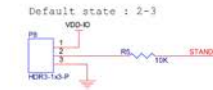
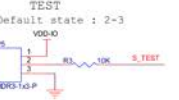
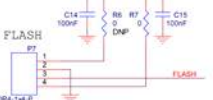
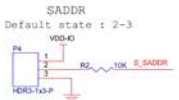
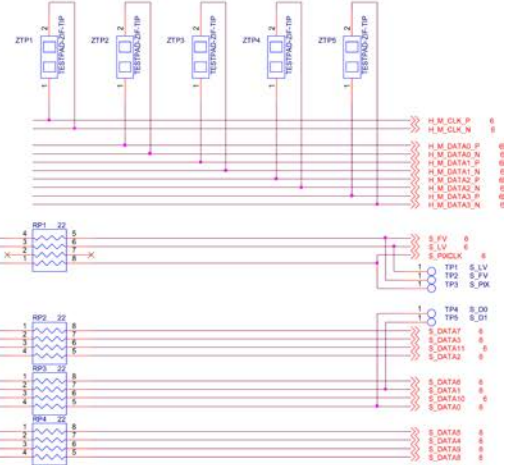




Sensor



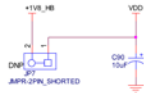
(Note for layout: - Place these testpads near the Demo3 I/F connector at the top side of PCB)



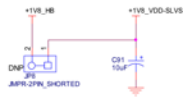
Debug Headers: Cut away the shorted trace and mount header for power debugging

Power

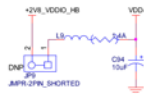
VDD 1.8V SUPPLY



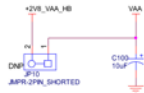
VDD-SLVS 1.8V SUPPLY



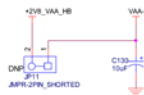
VDD-PLL 2.8V SUPPLY



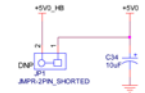
VAA 2.8V SUPPLY



VAA-PIX 2.8V SUPPLY



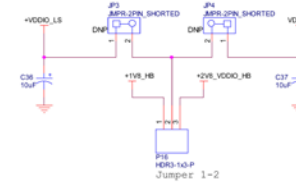
PERIPHERAL 5V SUPPLY



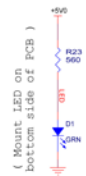
PERIPHERAL 3.3V SUPPLY



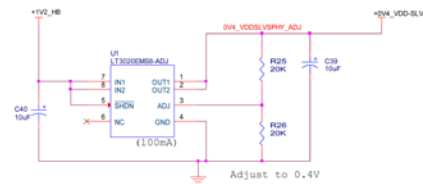
VDDIO & VDDIO LS 1.8V/2.8V SUPPLY



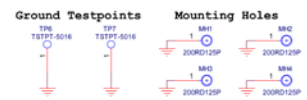
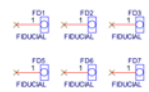
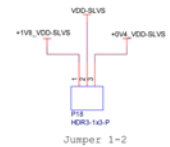
5V LED



VDDSLVSPHY 0.4V SUPPLY



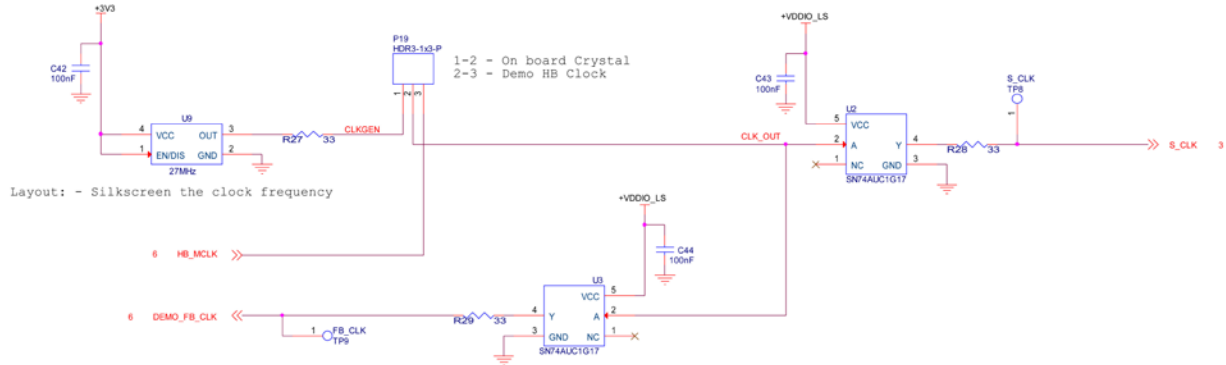
Selection of 0.4V or 1.2V/1V8 for VDDSLVSPHY supply



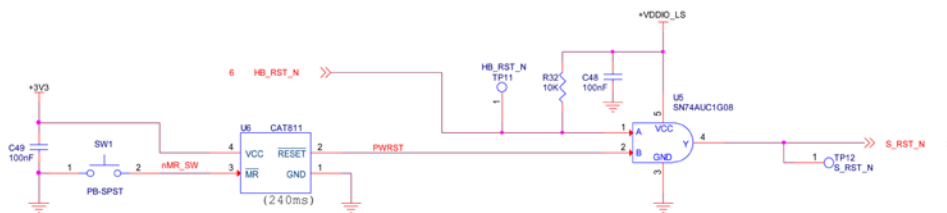
Clock and Reset



CLOCK CIRCUIT



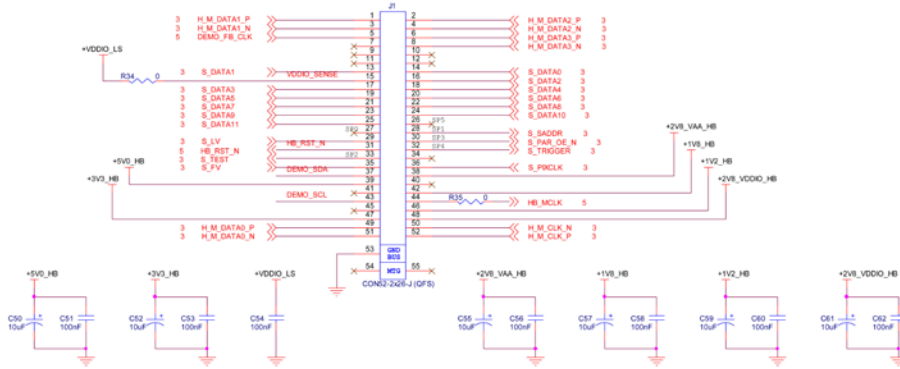
RESET CIRCUIT



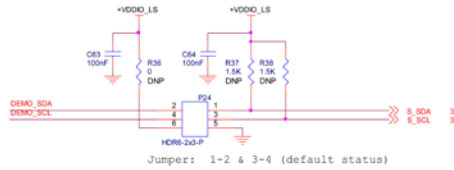
External Interface

+5V0_HB		+5V0_HB	4
+3V0_HB		+3V0_HB	4
+2V0_VAA_HB		+2V0_VAA_HB	4
+2V0_VDDIO_HB		+2V0_VDDIO_HB	4
+1V0_HB		+1V0_HB	4
+1V2_HB		+1V2_HB	4
+3V0		+3V0	3,4,5
+VDDIO_LS		+VDDIO_LS	4,5

DEMO3 BASEBOARD I/F



I2C DEBUG



LENS CORRECTION EEPROM

