AR0237_iBGA80_Demo3Head

Page	Description
1	Title Page
2	Block Diagram
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Rev	Who	Date	Description
Rev 0.0	aralex	06/10/15	Initial schematic taken from AR0230 IBGA 80 demo3 HB design because the pinout is the same. Changed P3 from 2 pin header to 3 pin header Added R50, P30; Deleted R8
		06/12/15	Updated with the new Sensor part for AR0237

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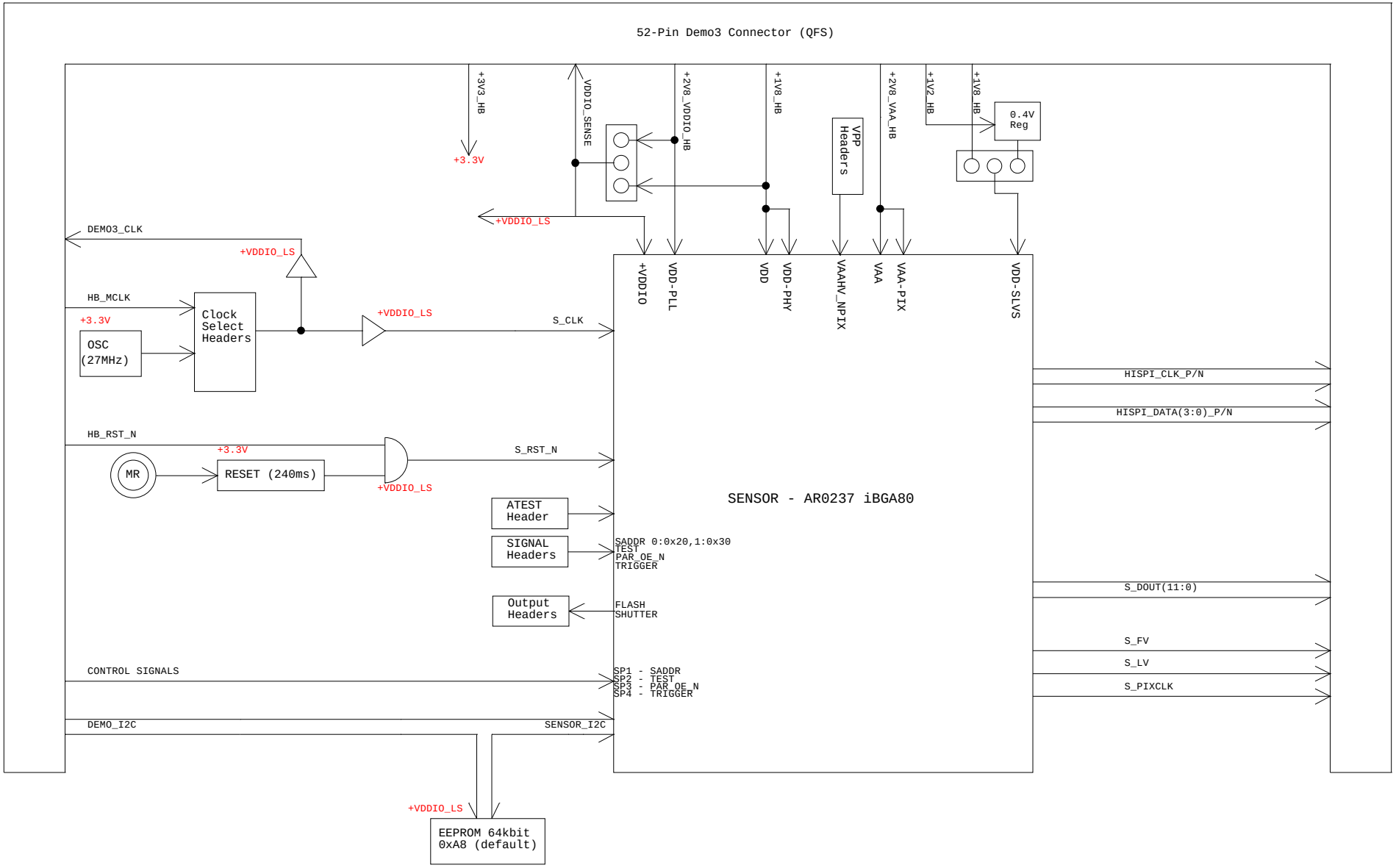
Block Diagram



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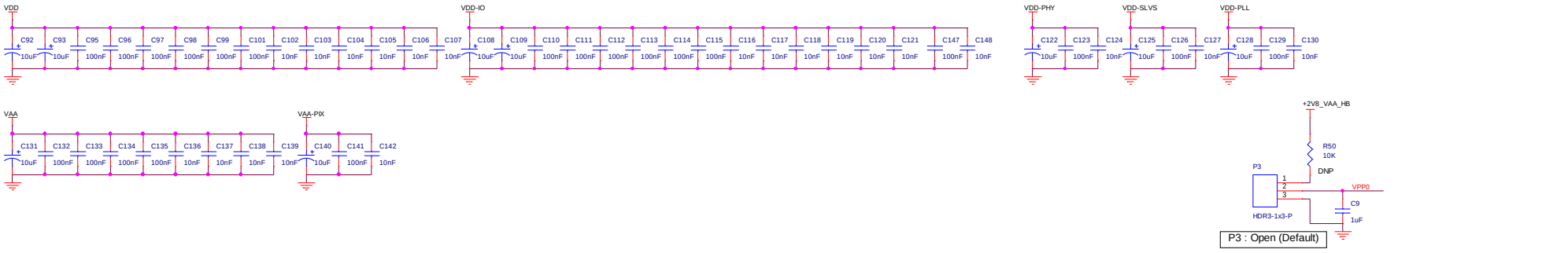
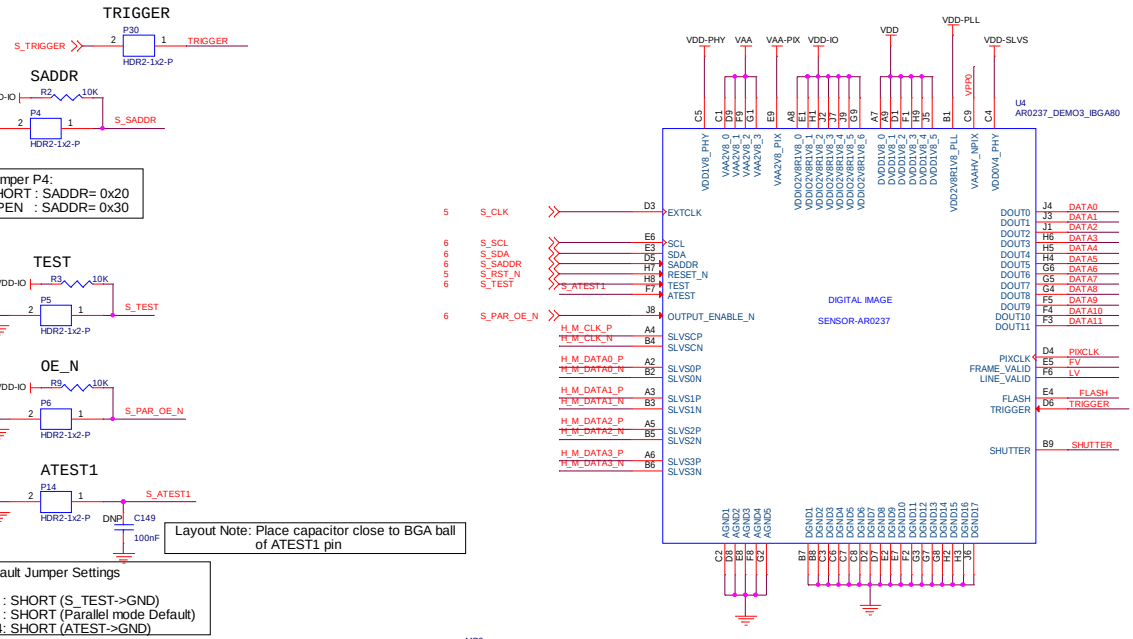
Sensor





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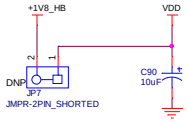
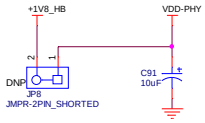
Debug Headers: Cut away the shorted trace
and mount header for power debugging

Power

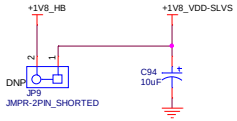
VDD 1.8V SUPPLY



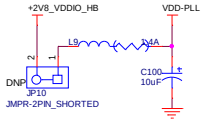
VDD-PHY 1.8V SUPPLY



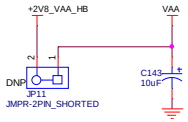
VDD-SLVS 1.8V SUPPLY



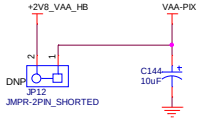
VDD-PLL 2.8V SUPPLY



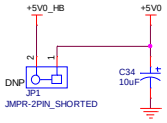
VAA 2.8V SUPPLY



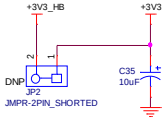
VAA-PIX 2.8V SUPPLY

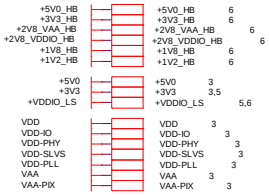


PERIPHERAL 5V SUPPLY

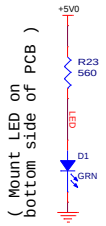


PERIPHERAL 3.3V SUPPLY

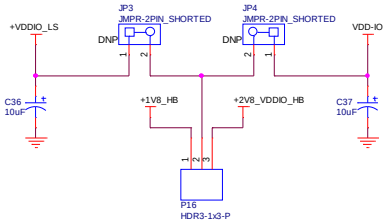




5V LED

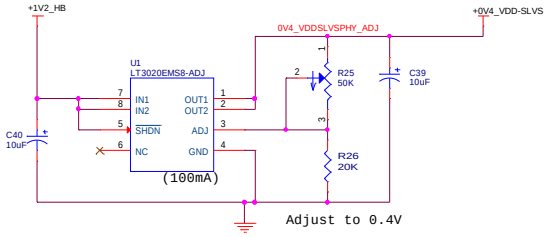


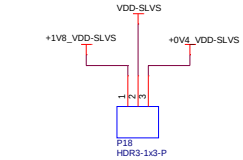
VDDIO & VDDIO_LS 1.8V/2.8V SUPPLY



P16 Default Setting: 1-2 Short (1V8 operation)

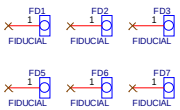
VDD_SLVS 0.4V SUPPLY





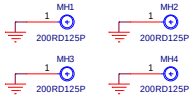
P18 Default Setting: 1-2 Short (SLVS mode)

Fiducials



Ground Testpoints

Mounting Holes



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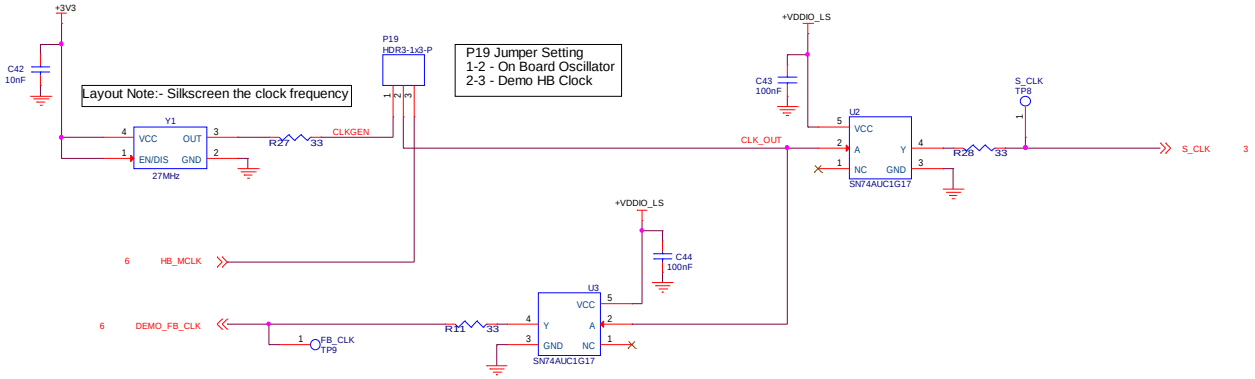
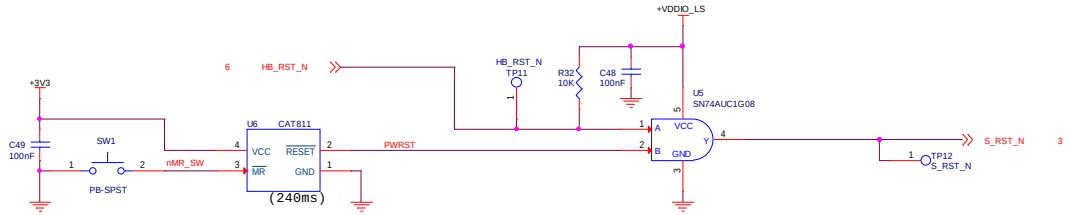
Clock and Reset

CLOCK CIRCUIT



RESET CIRCUIT



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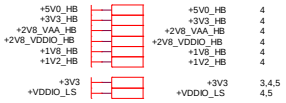
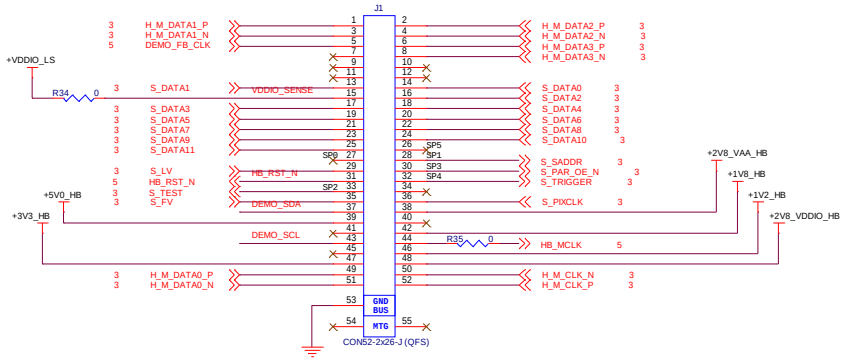
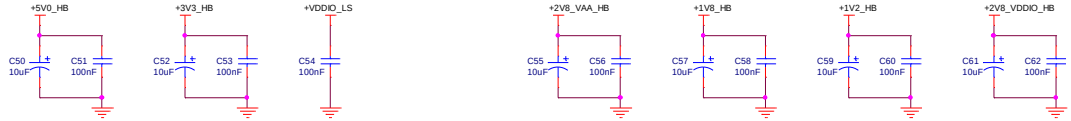
Script executed

External Interface

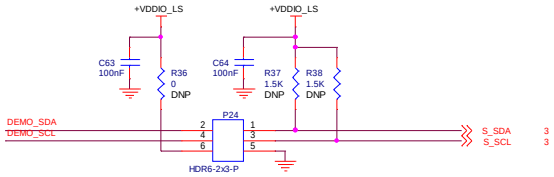


DEMO3 BASEBOARD I/F



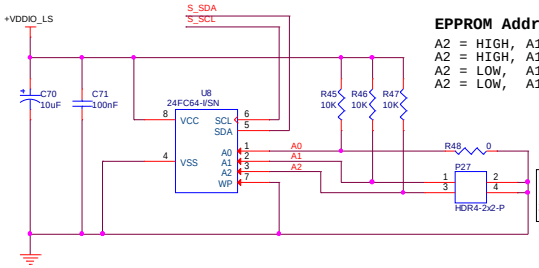


I2C DEBUG



P24 Default Setting:
1-2 : Short : Demo and Sensor SDA connected
3-4 : Short : Demo and Sensor SCL connected

LENS CORRECTION EEPROM



EPPROM Address Switch Settings:

```
A2 = HIGH, A1 = LOW,  A0 = LOW; Address => 0xA8 (default)
A2 = HIGH, A1 = HIGH, A0 = LOW; Address => 0xAC
A2 = LOW,  A1 = HIGH, A0 = LOW; Address => 0xA4
A2 = LOW,  A1 = LOW,  A0 = LOW; Address => 0xA0
```

P27 Default Jumper Setting:
1-2 : Short => Ground/Low
3-4 : Open => Pull-up/High

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.

Как с нами связаться

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