

SAMPLE REPORT NOTIFICATION

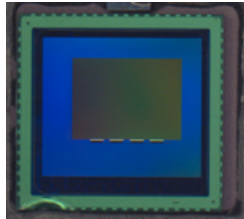


Inside Technology

OmniVision OV5642 1.4 μ m Backside Illumination CMOS Image Sensor Imager Process Review (IPR-0907-802) Circuit Analysis Report (CAR-0908-805)

Key Features

- 1.4 μ m pixel CIS module for camera phones
- Backside illuminated CIS in bulk silicon process
- OmniBSI™ technology jointly developed by OmniVision/TSMC



About this Device

The OV5642 is a 1/4 inch, 5 Mp SoC sensor designed for mobile phones and other small devices. This is OmniVision's most advanced sensor, featuring both 1.4 μ m technology and backside illumination.

The Imager Process Review

The Imager Process Review (IPR) is designed to show clients the process technology used to manufacture the device. It has features specifically designed for the image sensor market.

The Circuit Analysis Report

A Circuit Analysis Report for an image sensor shows the output path from the pixel to the ADC. The analysis is delivered in the ICWorks Browser software for navigating the circuit schematics, cross-referencing the schematics to the layout images, and exporting netlists for simulation.



SAMPLE MONTHLY UPDATE



Inside Technology

Recent reports from Chipworks

Manufacturer	Device	Report Type	Report Code	Device Category
Altera	Stratix IV	Package Analysis Structural Analysis	PKG-0903-901 SAR-0902-802	FPGA (40 nm CMOS)
AMD	45nm Opteron	Exploratory report with TEM	EXR-0902-812	Microprocessor
Freescale	MMA6222AEG	Exploratory Report ICInside Surveyor Report	EXR-0903-803 ICS-0903-804	Accelerometer
Freescale	SC900777	Circuit Analysis Report	CAR-0809-902	WLED Driver
Impinj	Monza 3rd Gen	Circuit Analysis	CAR-0902-805	RFID
Intel	Atom	Circuit Analysis Circuit Analysis Circuit Analysis	CAR-0901-201 CAR-0812-204 CAR-0812-206	SRAM Cell FUSE Macro I/O Cell
Kiionix	KXSDP9	Exploratory Report ICInside Surveyor	EXR-0902-811 ICS-0902-801	3-Axis Accelerometer
LSI	LSISA1078	Circuit Analysis	CAR-0902-101	RoC ASIC
LSI	LSI53C1030	Circuit Analysis	CAR-0903-102	Hard Drive Controller
Samsung	K4B1GE	ICInside Surveyor Report	ICS-0903-803	SDRAM (56 nm)
Sandisk	20-82-00162-2	Structural Analysis	SAR-0903-201	NAND Flash Controller
Sandisk	TMCL4	Structural Analysis	SAR-0902-201	32 GB NAND Flash Controller
Sensor Dynamics	SD755	ICInside Surveyor Report MEMS Process Review	ICS-0903-802 MPR-0903-801	Combination MEMS Accelerometer-Gyroscope
Sony	IMX061	Imager Process Review	IPR-0902-801	BSI CMOS Image Sensor
STMicroelectronics	LIS331DLH	ICInside Surveyor Report Exploratory Report	ICS-0903-801 EXR-0903-801	MEMS 3-Axis Accelerometer
STMicroelectronics	ST21F384	Process Review (eMemory)	PPR-0902-902	Smartcard MCU with eFlash
STMicroelectronics	LY530AL	ICInside Surveyor Report Exploratory Report	ICS-0904-801 EXR-0904-801	MEMS Gyroscope
Texas Instruments	TPS62601	Circuit Analysis Report	CAR-0812-805	DC-DC Regulator (6 MHz)
Volterra	VT1115MF	Process Review	PPR-0902-201	PWM Controller

Some Recent Devices in our Lab

Allegro A6210GEUTR LED Driver	Kodak M893IS Digital Camera	LG Telecom KC550 GSM Phone
AMD OS2352WAL4BGH Microprocessor	Linear Technology LT3476EUHF DC-DC	National Semiconductor LM5118MH Switching Regulator
AMD OS2347PAL4BGH Microprocessor	NXP Semiconductor BFU725F RF Transistor	
Apple MB489PL/A GSM Phone	RIM Blackberry 9530 CDMA Phone	
Apple MB528C/A MP3 Player	Samsung SGH-T929 GSM Phone	
ASUS EAH4350 Graphics Card	Samsung SGH-G618 GSM Phone	
Broadcom BCM4328 SoC	Sensor Dynamics SD755 Motion Sensor	
Freescale MMA6222 Accelerometer	STMicroelectronics LIS331DLH Accelerometer	
Kodak M1033 Digital Camera		

Plus dozens more. [Contact us](#) for teardown information or for a complete list of devices.

