

Circuit Diagram

DESIGN DESCRIPTION

REV HISTORY:

P3 FRAME BUFFER AND ROM: D1 CHANGE TO R52, D2 CHANGE TO R53.

P6 ICM102A CMOS SENSOR: R27,R31 SDV33 CHANGE CONNECTOR TO DV33, ADD 74LV74 24Mhz ADCLK, ADD -SENSOR_RST R,C CIRCUIT.

P7 POWER: ADD D9 1SS355.

USER INTERFACE DESCRIPTION

MA12/ GPIO_0 SDRAM address 12
MA13/ GPIO_1 SDRAM address 13
GPIO_2 SDRAM CKE control
GPIO_3
GPIO_4 STATUS LCD CS-
GPIO_5 STATUS LCD RD-
GPIO_6 STATUS LCD WR-
GPIO_7 STATUS LCD DATA

GPI_0 MODE select button and POWER ON button.
GPI_1
GPI_2
GPI_3 USB detect
GPI_4
GPI_5 BATTERY_LOW
GPI_6 TAKE-PICTURE button
GPI_7

PI_0 POWER LED (LOW ON)
PI_1 sensor -RESET
PI_2
PI_3 I2C ENABLE (SERIAL BUS TXD)
PI_4 I2C DATA (SERIAL BUS RXD)
PI_5 I2C CLK (SERIAL BUS CLOCK)
PI_6 AUTO CAPTURE LED (LOW)

EPROM_WE#/ LCD-OFF Flash-ROM write enable.

Sometime Electronics LTD.
Block 1, 17/F., Kingsford Industrial BLDG.
26-32 Kwai Hei ST., Kwai Chung, Hong Kong.
TEL: 852-2614 4477 FAX: 852-2615 5999 e-mail: flex@sometime.com.hk
File
A100 3 IN 1 D-CAM README

Size	Document Number	Rev
B	RDW-SCH-A100XX-01-10	1.0

Date: Thursday, March 15, 2001 Sheet: 1 of 1

GT8911

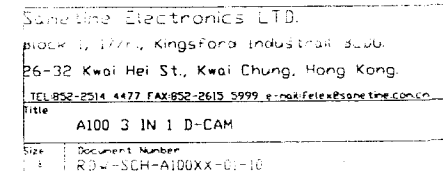
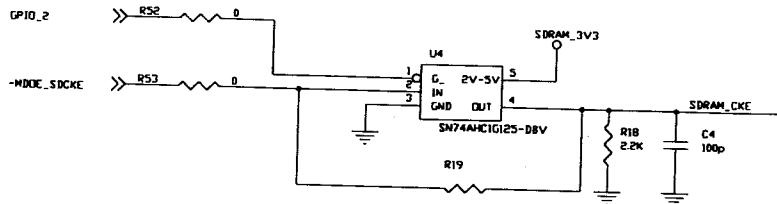
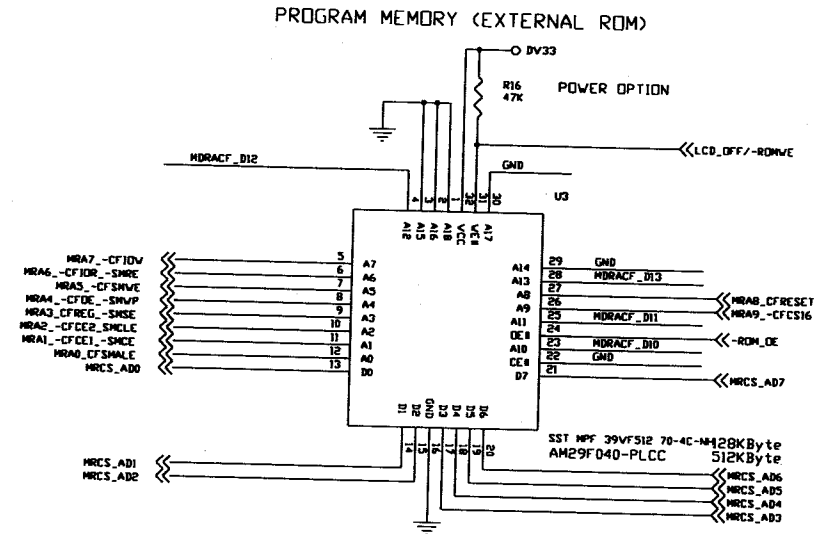
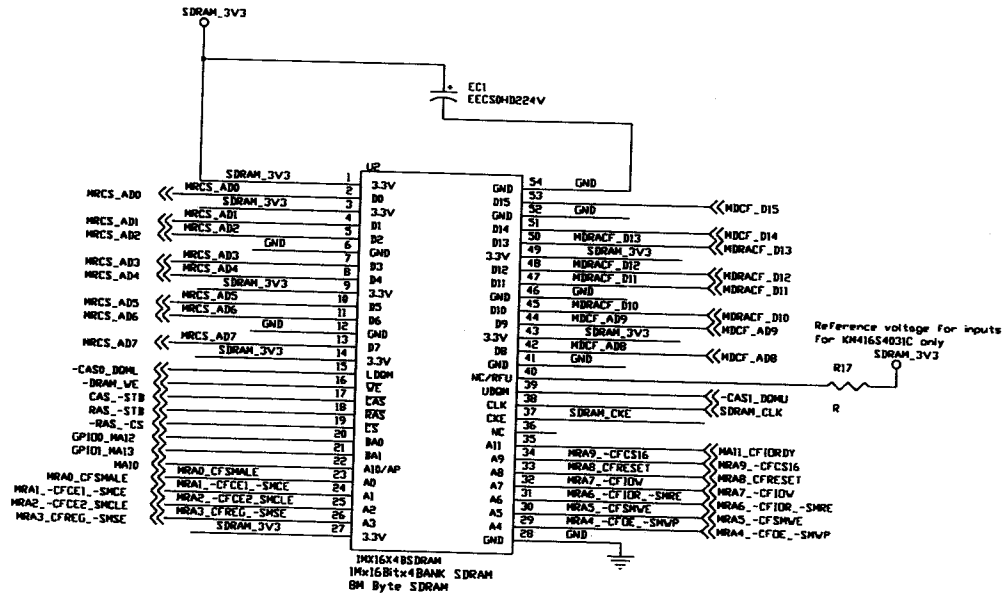
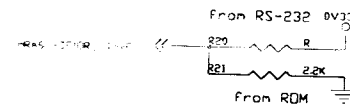


IMAGE FRAME BUFFER
SDRAM OPTION DEPEND ON SENSOR



DOWN LOAD FIRMWARE OPTION



Sametime Electronics LTD.

Block 1, 17/F., Kingsford Industrial Bldg.

26-32 Kwai Hei ST., Kwai Chung. Hong Kong.

TEL: 852-2614 4477 FAX: 852-2615 59993 e-mail: felex@sonettime.com.cn

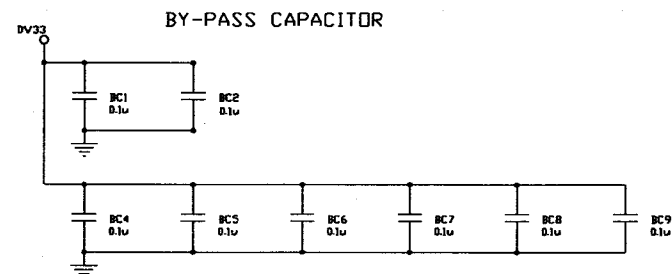
A100 3 IN 1 D-CAM Image Sensor and Ext RDM

Size	Document Number
2	RDW-SCH-A100XX-01-10

Diagram illustrating the USB 2.0 connector wiring. The USB B-TYPE CONNECTOR (USB-SMD) is connected to the USB B-TYPE CONNECTOR. The wiring includes:

- USB_B+ and USB_B- lines connected to the USB-SMD component.
- USB_3V connected to the USB-SMD component.
- Resistor R22 (1.5k) connected between USB_B+ and 3V3.
- Resistor R23 (27) connected between USB_B+ and GND.
- Resistor R24 (27) connected between USB_B- and GND.
- USB-SMD component labeled USB B-TYPE CONNECTOR.

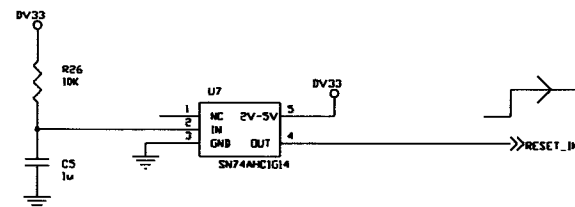
Diagram illustrating the RS-232 Serial Port Female Connector wiring. The TX pin is connected to RS232_TX, the RX pin is connected to RS232_RX, and the ground pin is connected to a common ground symbol.



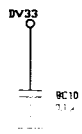
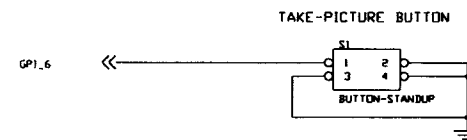
p. 4

8 7 6 5 4 3 2 1

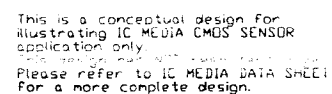
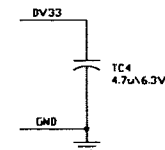
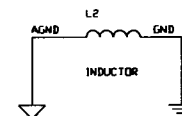
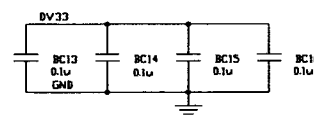
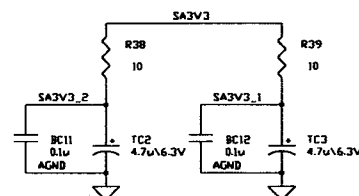
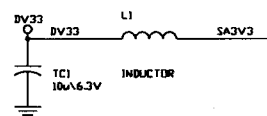
SYSTEM RESET



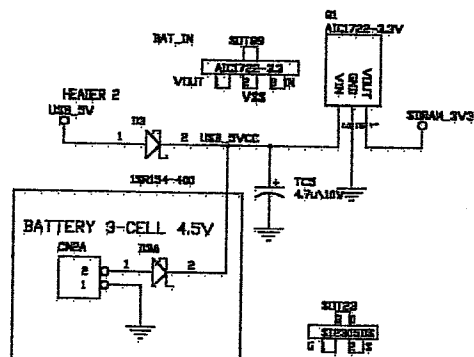
BUTTON



SUNG SHINE ELECTRONICS LTD.	
26-32 Keai Hei ST., Keai Chung, Hong Kong.	
TEL: 852-2614 4477 FAX: 852-2615 5999 e-mail: felix@ssonline.com.hk	
Title	
A100 3 IN 1 D-CAM Button,Reset	
Size	Document Number
RDW-SCM-A100X-01-BL	

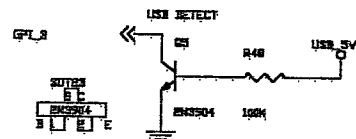
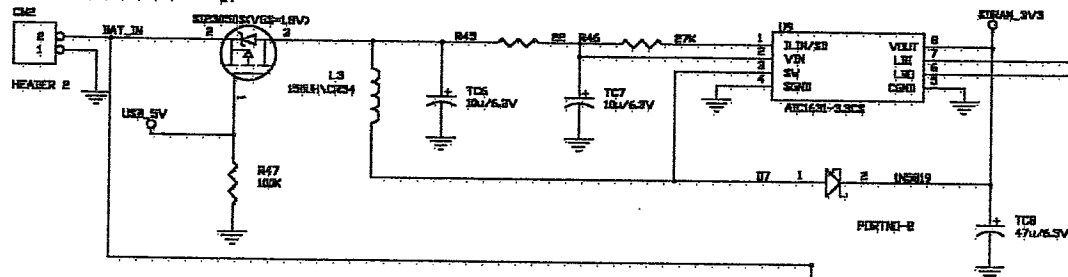


$\frac{1}{2} \times 36 \pi = 504 = 4100 \times 8 = 32800$



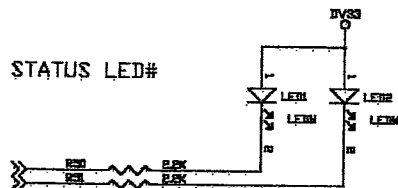
HI = OPEN (USE USB 5V POWER)
Low = ON (USE BATTERY POWER)

BATTERY 2-CELL 3.0V

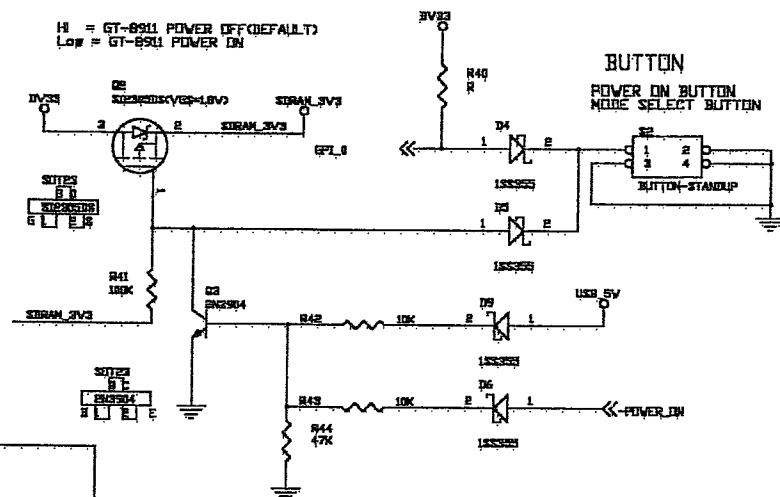


STATUS LED#

POWER LED
-POWER_LED
-AUTO_LED
AUTO TAKE A PICTURE LED

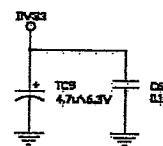


HI = GT-8911 POWER OFF (DEFAULT)
Low = GT-8911 POWER ON



Battery In

HI = DEFAULT BATTERY ENOUGH
Low = BATTERY NOT ENOUGH



Sametime Electronics LTD.

Room 1, 17/F., Kingsford Industrial Bldg.,

25-26 Kwei Hai ST., Kwei Chung, Hong Kong

TEL: 852-2614 4477 FAX: 852-2613 9995 e-mail: info@sametime.com.hk

Title

A100 3 IN 1 D-CAM POWER

Rev 3 Document Number
RDW-SCH-A100XX-01-10

Rev 1.0

Date: Thursday, March 15, 2001

Sheet 7 of 7