

Issue # 278
September**J. Bachiochi: Serial Displays Save Resources (Part 3): BMP Files****PROJECT FILES**

To download the code, go to ftp://ftp.circuitcellar.com/pub/Circuit_Cellar/2013/278

RESOURCES

J. Bachiochi, "Access SD Memory Cards (Part 1): Solid-State Storage Media in Embedded Apps," *Circuit Cellar* 222, 2009

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ILI Technology Corp. | www.ilitek.com

PIC24FV32KA302 Microcontroller
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E. Nisley: Pulsed LED Characterization**RESOURCES**

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G. Novacek: Battery Basics (Part 1): Battery Types**RESOURCES**

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A. Coskun: Energy-Efficient Cooling Strategies for Servers: Analyze and Control Leakage and Fan Power

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N. Epp: Build a Rubik's Cube-Solving Robot

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Morwen Thistlethwaite, www.math.utk.edu/~morwen

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YouTube, video of Epp's Rubik's Cube solving robot,
www.youtube.com/watch?v=6myMw6Egtv4

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ECS-300C-160 Oscillator

ECS, Inc. | www.ecsdav.com

C3088 Camera board and OV6630 color sensor module

Electronics123, Inc. | www.electronics123.com

MAX3232 ECPE RS-232 Transceiver

Maxim Integrated Products, Inc. | www.maximintegrated.com

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Microchip Technology, Inc. | www.microchip.com

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Parallax, Inc. | www.parallax.com

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RobotShop Distribution, Inc. | www.robotshop.com

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SparkFun Electronics | www.sparkfun.com

UA78M33 and UA78M05 Linear regulator

Texas Instruments, Inc. | www.ti.com

B. Millier: Raspberry Pi I/O Board (Part 2): Iso-Pi Circuit Description and Firmware**PROJECT FILES**

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ECW1D-B24-BC0024 Encoders
Bourns, Inc. | www.bourns.com

BCM2835 Applications processor
Broadcom Corp. | www.broadcom.com

TTL-232R USB to TTL adapter cables
Future Technology Devices International, Ltd. | www.ftdichip.com

DS1307 Real-time clock circuit
Maxim Integrated | www.maximintegrated.com

BASCOM-AVR Widows BASIC compiler
MCS Electronics | www.mcselec.com

MIC5821 Serial-input latched drivers
Micrel, Inc. | www.micrel.com

MCP23017/MCP23S17 I/O Expander with serial interface and MCP3424 ADC
Microchip Technology, Inc. | www.microchip.com

Visual Basic 6 programming language
Microsoft Corp. | www.microsoft.com

PCF8564A Real-time clock circuit
NXP Semiconductors | www.nxp.com

RI-0505S Isolated DC-DC converter
RECOM Power, Inc. | www.recom-power.com

Si8421 and Si8602 Isolators
Silicon Laboratories, Inc. | www.silabs.com

L298 Dual H-bridge driver
ST Microelectronics | www.st.com

W. Krawec: Experiments in Developmental Robotics (Part 1): Artificial and Evolving Neural Networks

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REFERENCES

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