PROJECT FILES
All of project files for this issue are available at:

ARTICLE MATERIALS

Author: Brian Beard
Article: "Build a Digital Pulse Generator"

SOURCES
LS7366R 32-bit Quadrature counter
LSI Computer Systems, Inc. | www.lsicsi.com

PIC16F87 Microcontroller
Microchip Technology, Inc. | www.microchip.com

78S40 Universal switching regulator subsystem
Motorola/ON Semiconductor | www.onsemi.com

74HC4094 Shift latch register
STMicroelectronics | www.st.com

74123 Rotary switch and 74HC165 shift register
Texas Instruments, Inc. | www.ti.com

Author: Steve Hendrix
Article: "Personal Solar Power Setup (Part 2): Battery Charge Control"

SOURCES
MS-PAE Series inverter/charger and ME-ARC remote control
Magnum Energy, Inc. | www.magnumenergy.com

PIC18F97J60 Microcontroller
Microchip Technology, Inc. | www.microchip.com

Author: Sean Hubber and Crystal Lu
Article: "Hands-On Electrocardiography"

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RESOURCES


SOURCES
Arduino Due
Arduino | http://arduino.cc

ExpressPCB software
ExpressPCB | www.expresspcb.com

MATLAB programming language
MathWorks, Inc. | www.mathworks.com

NI USB-6008/6009 Bus-powered multifunction DAQ USB device
National Instruments Corp. | www.ni.com

INA116 Differential amplifier
Texas Instruments, Inc. | www.ti.com

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The Ångström Distribution, www.angstrom-distribution.org

BusyBox, www.busybox.net

cURL, http://curl.haxx.se

The Fedora Project, https://fedoraproject.org

The GTK+ Project, www.gtk.org

Lighttpd, www.lighttpd.net

Midori, www.midori-browser.org

MySQL, www.mysql.com

The Network Time Protocol (NTP), www.ntp.org

The OpenSSL Project, www.openssl.org

Author: Bob Japenga
Article: “Linux System Configuration (Part 2)”
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QT Project, http://qt-project.org

SQLite, www.sqlite.org

Ubuntu, www.ubuntu.com

Wikipedia, “Heartbleed.”

X.Org Foundation, www.x.org/wiki

SOURCE

NetFront
ACCESS Co., Ltd. | www.access-company.com

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A. Lopes, “ZPUino,” www.alvie.com/zpuino


www.ProgrammableLogicInPractice.com


SOURCES

AVR Microcontroller
Atmel Corp. | www.atmel.com

Papilio Pro FPGA and LogicStart MegaWing
Gadget Factory, LLC | www.papilio.cc

Zynq platform device, Spartan-6 LX9 MicroBoard, MicroBlaze soft processor, PicoBlaze microcontroller, and Xilinx Software Development Kit (SDK)
Xilinx, Inc. | www.xilinx.com

Author: Colin O’Flynn
Article: “Build a SoC Over Lunch”

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Author: George Novacek  
Article: "The Humble Resistor (Part 1): Fixed Resistors"

RESOURCES  
Vishay, "Metal Film Resistors, Military/Established Reliability, MIL-PRF-39017 Qualified, Type RLR," ERL (Military RLR), 2012.

Author: Robert Lacoste  
Article: "Shielding Experiments"

RESOURCES  

SOURCES  
HP71200C Spectrum analyzer HP70300A tracking generator module  
Hewlett Packard Co. | www.hp.com  
(Product now obsolete, available from distributors such as eBay)

Proteus Design suite  
Labcenter Electronics | www.labcenter.com

ViaCAD 3-D Design software  
Punch!CAD Labs | www.punchcad.com

Replicator 2X 3-D printer  
MakerBot | http://store.makerbot.com

Author: Jeff Bachiochi  
Article: “IR Remotes (Part 1): Remote Transmission”

REFERENCE  

RESOURCES  

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Disclaimer Circuit Cellar® makes no warranties and assumes no responsibility or liability of any kind for errors in these programs or schematics or for the consequences of any such errors. The information provided by Circuit Cellar® is for educational purposes.
G. Dixon, "IRP Notation: Specification of IRP Notation."


**SOURCES**
PIC18F26K22 Microcontroller
Microchip Technology, Inc. | [www.microchip.com]

RealTerm terminal program
SourceForge | [www.sourceforge.net]