

RESOURCES
SEARCH:

 This Site
by Keyword

 EEM for Mfr
by Product Type

 For IC Data Sheets
by Part #

 Supplier Inventory
by Part #

**Semiconductor
Applications**

- Solutions for Next-Gen Systems

[Search Now](#)
**Reference Design
Directory**

- Search by mfr or app
- 100's of designs
- Dozens of mfrs

[Search Now](#)
**Semiconductor Data
Sheets**



- Free data sheets
- Millions of parts
- 1,000+ suppliers



Cree XLamp® LEDs
47 lumens/watt at 350mA drive current

CREE
LED Light

Resources
Electronic Products

-  **Lead-Free/RoHS Articles**
- Reference Designs
- Product Teardowns
-  **RSS Feeds**
- Back Issues
- Reader Service
- Subscriptions
- EP China
- 今日电子
- China SemiApps
- 半导体应用网

EEM

- Application
- Reference Materials
- List Your Company

IC Master

- Parametric Search
- Historical IC Database

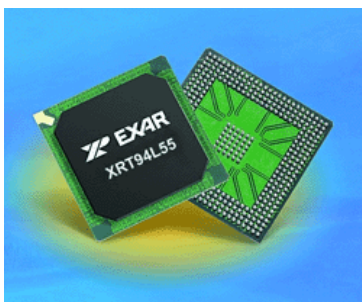
Other EE Resources

- eeTechBriefs
- eJobs
- eNewsletters

This article was written for the Jan 2005 issue of Electronic Products

Framer/concentrator reaches OC-48 rates

The XRT94L55 Cobra chip is a SONENT framer/concentrator designed to support highly channelized aggregation and cross-connection of a mix of 4 OC-12 or 16 OC-3 interfaces to an OC-48 port. The IC includes integrated high-performance multirate CDRs (clock data recovery), and has a DDR I/O port interface format. The part targets DWDM multiplexer/demultiplexers, add/drop multiplexers, optical/digital cross-connects, and router line cards.



The XRT94L55 operates with standard 8-bit microcontrollers, provides performance monitoring and alarms required by GR.253 and ANSI T1.105, and has a unique overhead transparency feature that facilitates transparent data transfer from low-speed to high-speed ports. The IC comes in a 780-ball BGA package and operates at 3.3 V with 5-V-tolerant I/Os over the industrial temperature range. (\$295 ea/1000—samples available now.)

Exar, Fremont, CA
Information 800-366-9742
<http://www.exar.com>

 [E-Mail this article](#)
 [Print this article](#)


COSEL U.S.A. Inc.
AC/DC & DC/DC Power Solutions
1-800-888-3526
www.coselusa.com

UNIT TYPE
RUGGED PCB
POWER MODULE
ON-BOARD
NOISE FILTERS FOR EMC



Tellurian Technologies, Inc.
TCXOs & VCXOs

Most popular:

- [Warm-white LED engine challenges 50-W halogen floodlights](#)
- [Flexible illumination panel delivers white light anywhere](#)
- [8051-based microcontroller is industry's first with FRAM](#)
- [LED light engines simplify traditional lamp replacement](#)
- [LEDs deliver better blue light](#)
- [LED chip creates brighter backlights](#)
- [Piezoelectric micromotor is industry's smallest](#)
- [White LED lamp rivals 20-W halogens](#)
- [4-W white LED delivers 120 lumens](#)
- [360° LED creates incandescent lookalike](#)
- [Capacitors in high-voltage applications](#)
- [LED module features nine specific wavelengths](#)
- [Ultracapacitors in alternative fuel technologies](#)
- [3-in-1 TV tuner breaks \\$3 cost barrier](#)
- [The changing power resistor](#)
- [8051-based microcontroller is industry's first with FRAM](#)
- [3.5-in. HDDs reach 750GB capacity](#)
- [1-W LED module optimizes easily](#)
- [Superbright LED light engine delivers 'warm' glow of incandescents](#)
- [Linear LED modules replace neon, fluorescent lamps](#)
- [LED floodlight challenges tungsten, halogen lamps](#)
- [0402-sized tantalum caps break down size barriers](#)
- [Capacitors: the next generation](#)
- [Smart battery packs enhance reliability, safety](#)
- [3-D LED array delivers 330 lumens](#)
- [White LEDs serve as daytime running lights](#)
- [\\$99 Wi-Fi spectrum analyzer is size of USB stick](#)
- [Three-axis electronic compass IC is industry's first](#)
- [SMT white LED illuminates small, harsh apps](#)
- [16-bit μCs advance on two fronts](#)
- [Off-the-shelf current-sense transformers](#)
- [Benchtop DMM offers professional quality at value price](#)
- [LED grow lamp provides the right rays](#)

- [eeExperience \(student site\)](#)
- [Advertisers' Web Links](#)

Advertiser Resources

- [EP Editorial Calendar \(PDF\)](#)
- [EP Media Kit](#)
- [EEM Media Kit](#)

RoHS Express

Find **RoHS Compliant** Products



Part Search

keyword or part #

compliant only

[View all RoHS compliant parts](#)



NEWARK
in one.
newarkinone.com/rohs

- [ATX supply is smallest available](#)
- [Understanding power supplies and inrush current](#)
- [Green laser achieves highest output](#)
- [ARM7 MCUs combine USB 2.0, single-battery-cell operation](#)
- [Low-power multicore processor raises performance-per-watt bar](#)
- [Deformable mirror creates inexpensive adaptive optics](#)
- [Choices in Pb-free solder alloys](#)
- [Highest performance 1-GHz DSP features four cores](#)
- [HV diode handles extreme temps](#)

