

MAXIM

LANTRONIX

CUSTOM

Panasonic

Melexis

enfora

VAC
VACUUMSCHMELZE

SOKYMAT

TERIDIAN
SEMICONDUCTOR CORP
A FORMER TDK GROUP COMPANY

iButton®
Touch the Future!

HID

bel

SignalQuest™
Precision Measurement

telegesis

SKYWORKS

ember

NDK
Crystal. Bridge to the Future.

GainSpan

LM TECHNOLOGIES
INNOVATIVE TECHNOLOGY PRODUCTS

Design with the power of the Penguin & win up to \$6000!



Enter the XPORT Pro design contest. Lantronix Design Win contest is back by popular demand!

Do you have what it takes to network-enable just about anything with their latest and greatest embedded technology? Put your thinking cap on and you can win up to \$6,000 USD!

Submit your working prototype design and supporting documentation detailing how it works. If you are unable to submit a working prototype due to size or proprietary information, you must submit documentation detailing how it works to Lantronix. First place prize is valued at \$6000. 2nd place price is \$3000 and the best student entry prize is \$3000.

Read more at [Lantronix](#)

High performance GPS receiver

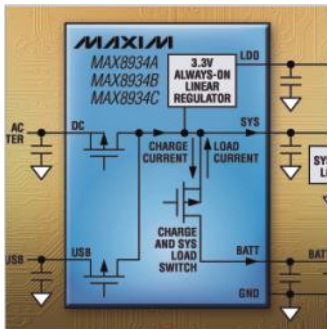


The GPS0401 GPS Receiver is a high-performance GPS module in a Land Grid Array (LGA) package that mounts directly to a host PCB. The GPS0401 GPS Receiver's small size, simple interface, and low power operation makes it ideal for integrating GPS into small, mobile applications that require extreme GPS sensitivity. The GPS0401 module is designed to be easily integrated with Enabler IIIG OEM modules.

The Enabler III is a fully certified quad-band OEM module family that packs complete GSM/GPRS/EDGE functionality into a compact footprint. The embedded software environment enables development of essential capabilities—mobile connectivity and device intelligence—by utilizing built-in rules engine, network router and control and automation capabilities.

Read more at [Enfora](#)

Dual-input linear charger safely charges a Li+ cell by adjusting charge rate and termination voltage according to temperature

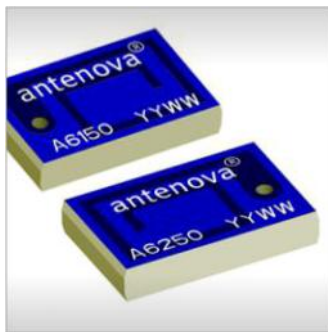


The MAX8934, the industry's first dual-input linear charger with Smart Power Selector™ circuitry to implement the JEITA (Japan Electronics and Information Technology Industries Association) recommendations for safe charging over temperature. The MAX8934 monitors battery temperature and automatically adjusts the charge current and termination voltage to a safe level according to temperature.

When external power is connected, the Smart Power Selector circuitry allows the system to operate with no battery or a deeply discharged battery, and automatically switches the system load from the battery. All necessary current-sense circuitry and power switches for charging and switching the load between the battery and external power are integrated. This results in an ideal compact solution for one-cell, Li+-powered handheld devices such as smartphones, digital still cameras, media players, gaming systems, or GPS navigation systems.

Read more at [Maxim](#)

Integrated Antenna and RF Solutions



CST Electronics introduces you to Antenova products. Antenova is a leading developer and supplier of high performing integrated antennas and RF solutions for wireless communication and consumer electronic devices, such as mobile handsets, portable navigation devices (PNDs), portable media players (PMPs), PDAs and laptop computers. Antenova has been offering an extensive range of market leading standard antennas under the gigaNOVA® range of antenna solutions for the 2.3 GHz, 2.4 GHz, 2.5 GHz, 5 GHz, GPS, GSM and ISM900 bands.

Designed for ease of integration into wireless devices, gigaNOVA® standard antennas are the smart choice for Cellular, GPS, Bluetooth®, Wi-Fi®, WiMAX™, WiBro, ZigBee® and M2M applications. The Company recognized the need to design small internal/embedded antennas that offer advantages in terms of size, power consumption, and ease of integration as stand alone antennas or as a module integrated with radio frequency (RF) components. Antenova's patented High Dielectric Antenna (HDA®), balanced and complementary antenna technologies enable integrated antenna solutions and RF antenna modules that are smaller, higher in efficiency, operate across multiple bands and offer more robust performance for mobile handsets, portable devices and laptop applications and peripheral devices.

Read more at [Antenova](#)



Nonvolatile STANDBY/ON Switch ...
[Read more here.](#)



www.cstelectronics.co.za