

Triquint – GaAs & GaN

Semiconductors – Triquint Semiconductor has selected EMA as their representatives in Florida effective Aug. 27th. Triquint is the world's largest foundry for GaAs and GaN semiconductors and offers a broad portfolio of products serving the automotive, base station, BWA/WIMAX, cable, defense & aerospace, mobile devices, optical, PTP radio, RFID, space and VSAT markets. Their product types include amplifiers, control products, filters, integrated products and optical components spanning the frequencies from DC to millimeter wave. If you missed the press release, they recently won a contract from the US Air Force Research Laboratories (AFRL) to develop new GaN modules for unmanned aerial vehicles. Triquint's new GaN devices will extend the range and capabilities of UAVs that are used for reconnaissance missions in war zones and homeland security applications. Please check out their web site for product and application information. www.tqs.com

IEEE EMC Conference 2010 – Both **Filconn** and **Isodyne** participated in the 2010 EMC conference during the week of July 25th. Rick Taylor, president of Filconn and Jason Pedruzzi national sales manager of Isodyne were in attendance and spent time meeting with customers at the Ft. Lauderdale convention center.

Cosmotronic – Military & commercial

bare boards – When EMA signed the Cosmotronic line 2½ years ago, we never dreamed it would become one of our largest lines. Their commitment to quality, reliability and on time delivery has won them the trust of many of the leading military customers here in Florida. If you have not had a chance to work with them, we encourage you to find out why so many customers have selected them to be their supplier of choice. Cosmotronic is ITAR, 55110, 31032 and AS9100 registered and is a veteran owned small business with no debt. Their web site is: www.cosmotronic.com

Delphi Connection Systems – Mil/Aero

Connectors – Delphi is leading the way in the development of the new standard military connector for fiber optics. NGCON takes proven concepts from 28876 and 38999 and implements them into the new high density series. There are other players in this field but the Navy prefers Delphi's contact system. If you have requirements for harsh environment fiber connectors, please consider Delphi as your solution provider. They can supply connectors or complete cable assemblies. Contact your EMA rep for more information.

Filconn – Filter connectors – Filconn has posted some new pictures on their web site to demonstrate their ability to turn out custom solutions with very short lead times. This connector was manufactured with a composite shell which provided a 40% weight savings over aluminum. The application was unique because the customer required a waterproof seal with the mounting plate. To accommodate this Filconn used O-rings with blind screw holes. Helicoils provided the mounting mechanism and the project was delivered in less than 6 weeks. This example is pretty typical of the rapid response Filconn is known for. www.filconn.com



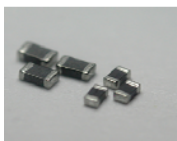
Isodyne – EMI back shells – Isodyne received prototypes on a new shell size 25 right angle hinged EMI back shell. Unlike previous hinged assemblies, this one had a large round cable exit to accommodate all the extra wires in a connector that large. Data sheets should be available soon for interested parties. www.isodyneinc.com

Maglayers USA – Chip Inductors –

Maglayers announces their GMPI series. This is a magnetically shielded chip coil based on a multilayer process construction. New magnetic material was developed to get excellent direct current characteristics. There is no cross coupling between inductors due to a low magnetic shield. These products are lead free and ideal for high density SMT installation with no directionality. Superior solder-ability and resistance to soldering heat make them ideal for wave or reflow soldering. The entire series is RoHS compliant, Halogen free, and packaged in 100% lead free composite construction. This product comes in a variety of sizes ranges from 3.2 x 2.2 mm to 1.0 x 0.8 mm with a low profile (h = 0.3 – 1.2mm). Current ranges from 250mA to 6A. Please visit their website for a complete listing of sizes and performance ratings.

<http://www.maglayersusa.com> Samples are available in Irvine, CA and current production lead times range from 6 to 8 weeks.

Please keep them in mind for molded surface mount high current power inductors as well. Some of our competitors have horrendous lead times due to allocations and quality problems. We can help with Maglayers MMD series.



GMPI Series



MMD High Current

Prototron Circuits – Prototype Bare

PCB's – Prototron's ISO registration in their Redmond, WA location has been upgraded to ISO9001-2008 effective May 20th. Work is underway to also achieve ISO certification in the Tucson military facility which is currently qualified to MIL-55110. The Redmond facility also became ITAR registered in May to accommodate customers who needed higher technology quick turn solutions that the Tucson facility could not handle. Please visit the web

site for additional information:

www.prototron.com

Ametek – Sensors & Power Distribution

– Ametek Aerospace & Defense has announced the appointment of EMA as the representatives for their sensors and power distribution products in the South Eastern U.S. Ametek is a global manufacturer of electronic instruments and electro-mechanical devices with annual sales of \$2.2 billion. The Aerospace & Defense division represents about 10% of the corporate sales. Products include: angle of attack sensors, stall warning computers, airframe sensors, engine & lube system sensors, pressure & temperature transducers, fuel gauging, hydraulic system sensors, potable water and waste sensors, power distribution, solid state power control modules, data acquisition systems and aircraft instruments. Please review their web site for additional information:

<http://www.ametekaerodefense.com>

Riedon – Resistors – This issue we feature Riedon's UB series of axial lead power resistors. Typically they are 40% smaller than their competition. With products from 1W to 15W, this family offers values from .005 Ω to 260K Ω with tolerances of $\pm 0.01\%$ and TCR of ± 20 ppm/K. The temperature rating is -55°C to 250°C and non-inductive windings are also available. Contact Riedon or EMA for samples. The web site is www.riedon.com We know Riedon has the best lead times in the industry. If you are having delivery issues with precision resistors, please contact us.



CUSTOMER NEWSLETTER

Cinch – Connectors – Belfuse acquired Cinch in January of 2010 and waited 6 months before making any changes to the rep structure. Unfortunately, EMA has lost Cinch in the Dixie States but they decided to award us the State of Florida. While it was a stinging loss for the folks in Dixie, we look forward to the challenges of growing this great line. It gives us access to 3 series of military connectors we have never had here in Florida – 26500, 24308 and 83513. For those of you not familiar with them these are mil circular (their C48 family – popular with the Air Force and Boeing), D-sub and micro D's. Cinch has made a big push into the automotive market as well as high speed copper interface cables and connectors. They still have their world famous barrier blocks and ribbon connectors, so keep them in mind for all your connector needs. The web site is: www.cinch.com

Synergy Microwave – VCO's/Synthesizers – Synergy's focus product this issue is their new ultra low noise signal sources for single frequency applications such as clock translators for instrumentation and radar markets. The product is available as free running VCOs and phase locked sources with frequencies available in the range of 300 MHz to 2.5 GHz. As an example, the HFSO1000-12 is a free running VCO operating at 1 GHz with a +12V supply and typical tuning range of 100 KHz. It has a phase noise of -153 dBc/Hz at 10 KHz offset. This ultra-low noise product is housed in a surface mount 12.5 X 12.5 x 4.6 mm package. Contact your EMA sales person for more information. Synergy's web site is: www.synergymwave.com

RO Associates – Brick Power Supplies – RO Associates has released a preliminary data sheet on their new Univerter® PFC-650 power factor correction module. This brick module converts AC to DC and operates over a wide range of input voltages and frequencies with extremely high conversion efficiency and near unity power factor, producing an output of 375 VDC. There are two models. The **PFC-650U** operates from a universal input range of 90 to 265 VAC and input frequency ranges of 47 to 440 Hz making it ideal for applications requiring power factor correction all over the world. The **PFC-650W** is optimized for an input voltage range of 90 to 180 VAC and input frequencies of 330 to 880 Hz making it ideal for both military and commercial aircraft applications. These **650W** PFC units are packaged in a ¾ sized brick measuring 3.6" x 2.4" x .5" and will operate over a temperature range of -40+100° C. Full power can be achieved without de-rating as long as the base plate temperature does not exceed 100° C. A -55+100°C model is optional. Contact your EMA sales rep for more information.



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Distribution Information:

Acme Electric (Acme, Actown, Amveco)	DigiKey, Go Electronics
AMC (a Johanson company)	Arrow, LXI, Newark, Simcona, SMD
Ametek	send quotes to your EMA sales rep
Cambion	Bisco, Century, GE Supply, Heilind, Newark
Cinch	Allied, Arrow, Mouser, Newark, PEI Genesis, Sager
Combat Warrior Sales	call 919-847-3188
Cosmotronic (Bench2Bench, Winonics)	send quotes to your EMA sales rep
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