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12 NOVEMBER 2013

e2v aerospace and defense completes redesign of reprogrammable PROM

e2v aerospace and defense today announced that it has completed full qualification of the QP7C276, 16k x 16 Reprogrammable PROM. This device serves as a drop-in replacement for the original Cypress CY7C276 device. This product has been fully re-engineered and manufactured on an advanced CMOS process and meets the original manufacturer specifications for military and aerospace applications.

The QP7C276 provides 16-bit wide words in a UV-erasable device, allowing repeated re-programming of the 256k capacity. The device allows independent programming of the three chip selects delivering on-chip decoding of up to eight banks of PROM. The device supports speeds as low as 30ns. Supported device types are shown in the cross reference.

These devices are available in two windowed package options: a 44-pin ceramic LCC and a 44-pin ceramic JLCC, both manufactured in compliance with the latest revision of MIL-PRF-38535, making them ideally suited for military temperature applications. These devices are available as commercial, industrial and full MIL-STD-883 devices.

“A prime contractor was facing a complex and costly system redesign when they were unable to obtain this critical device,” said Robert Brevelle, President of e2v aerospace and defense. “Working closely with the customer, our engineers embarked upon a complete product redesign and qualification to meet the program needs. Support of this mission-critical redesign for a key aerospace program demonstrates e2v’s commitment to long-term continuity of supply.”

– Ends –

Media Contact: For enquiries about this press release contact: Michael Sarpa, michael.sarpa@e2v-us.com

Notes to Editor:

Product Chart:

Part Number	Package	Temp Range	Speed
QP7C276-30HC	44-Pin Windowed JLCC	Commercial	30 ns
QP7C276-30HI	44-Pin Windowed JLCC	Industrial	30 ns
QP7C276-30HMB	44-Pin Windowed JLCC	Military	30 ns
QP7C276-30QMB	44-Pin Windowed LCC	Military	30 ns
QP7C276-35HC	44-Pin Windowed JLCC	Commercial	35 ns
QP7C276-35HI	44-Pin Windowed JLCC	Industrial	35 ns
QP7C276-35HMB	44-Pin Windowed JLCC	Military	35 ns
QP7C276-35QMB	44-Pin Windowed LCC	Military	35 ns

About e2v aerospace and defense inc: e2v aerospace and defense inc. (e2v a&d) is a leading provider of RF power, imaging and hi-rel semiconductor solutions to the North American aerospace and defense industry. e2v a&d offers a diverse portfolio of products and services, including wideband RF components and sub-systems high performance imaging sensors and cameras, and hi-rel semiconductor products and lifecycle

management services to ensure long-term continuity of supply.

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