

e2v announces the release of 14 advanced CMOS logic functions in support of long-life, customer production programs. Leveraging e2v's design resources, these advanced CMOS ICs are extending the product availability far beyond what is available in the industry.



FEATURES

- Input voltage options include CMOS- and TTL-voltage compatible (EV54AC/ACT respectively)
- Low power consumption
 - ICC supply current – Typical 75% to 80% less than industry standard, advanced CMOS offerings
- Proven ESD protection, I/O slew-rate control, ground bounce/noise control
- -24/24 mA IOH/IOL drive current
- Package options include ceramic DIP, ceramic Flat Package, and ceramic leadless chip carrier
- Supplied to DSCC Standard Microcircuit Drawings (SMD), QML Class Q processing to military temperature range (-55°C to 125°C)
 - Guaranteed of supply with e2v resurrected die designs
 - Eliminates the need for board redesign and re-qualification
 - Mitigates Counterfeit Concerns

e2v implemented the design resurrections using a multi-project wafer approach ensuring efficient use of silicon and a cost-effective solution to our customers. With over 35 years supplying high reliability ICs to aerospace and defense customers, and over 3,600 SMD qualifications, e2v offers our customers a full spectrum of logic families and functions.

Function	Description	Order As
CMOS-Level Inputs		
EV54AC14	Hex Inverter, Schmitt Trigger	5962-8762401CA, 5962-8762401DA, 5962-87624012A, M38510/75702BCA, M38510/75702BDA, M38510/75702B2A
EV54AC32	Or Gate, Quad 2-Input	5962-8761401CA, 5962-8761401DA, 5962-87614012A, M38510/75201BCA, M38510/75201BDA, M38510/75201B2A
EV54AC138	1-of-8 Decoder/Demultiplexer	5962-8762201EA, 5962-8762201FA, 5962-87622012A, M38510/75802BEA, M38510/75802BFA, M38510/75802B2A
EV54AC161	Binary Counter, 4-bit Synchronous, Presettable	5962-8956101EA, 5962-8956101FA, 5962-89561012A, M38510/76302BEA, M38510/76302BFA, M38510/76302B2A
EV54AC174	Flip-Flop, D-type, Hex, with Master Reset	5962-8762601EA, 5962-8762601FA, 5962-87626012A, M38510/75307BEA, M38510/75307BFA, M38510/75307B2A
EV54AC273	Flip-Flop, D-type, 8-Bit, with Clear	5962-8775601RA, 5962-8775601SA, 5962-87756012A
TTL-Level Inputs		
EV54ACT74	Flip-Flop, D-type, Dual, with Preset And Clear	5962-8752501BCA, 5962-8752501BDA, 5962-8752501B2A
EV54ACT109	Flip-Flop, JK, Dual, Positive Edge-Triggered	5962-8853401EA, 5962-8853401FA, 5962-88534012A
EV54ACT112	Flip-Flop, JK, Dual, Negative Edge-Triggered, with Asynchronous Set and Clear	5962-8995001BEA, 5962-8995001BFA, 5962-8995001B2A
EV54ACT138	1-of-8 Decoder/Demultiplexer	5962-8755401BEA, 5962-8755401BFA, 5962-8755401B2A
EV54ACT175	Flip-Flop, D-type, 4-bit	5962-8969301EA, 5962-8969301FA, 5962-89693012A
EV54ACT251	Data Sel/Multiplexer, 8-Input, with 3-State Outputs	5962-8959901EA, 5962-8959901FA, 5962-89599012A
EV54ACT257	Data Sel/Multiplexer, Quad 2-Input, with 3-State Outputs	5962-8968901EA, 5962-8968901FA, 5962-89689012A
EV54ACT373	Latch, D-type, 8-bit, Transparent, with 3-State Outputs	5962-8755601RA, 5962-8755601SA, 5962-87556012A

Contact e2v's authorized distributors for pricing and delivery. <http://www.e2v-us.com/contact-us/sales-contacts/>