

## Ascentron Quality Codes for Suppliers

Q01	<p>A legible Certificate of Conformance (C of C) is required with every shipment.  Quality Assurance &amp; Control Records used to substantiate conformance must be maintained for a minimum of 10 years.  Products and/or services provided to Ascentron may not be changed without written permission from Ascentron.  Supplier must include Ascentron part number, where applicable, and purchase order number on all documentation.  If applicable, Electrostatic-sensitive devices shall be handled and packaged in accordance with industry standards per ANSI/ESD S20.20 as amended.  Material is to be adequately packaged in order to prevent damage (scratches, scuffs, dings, etc.) from typical handling while in transit.  The supplier must identify parts with Ascentron part number and revision letter, supplier designated lot number/serial number, and/or any other unique identifier.  Do not cover manufacturer's label.  Date Code Restriction: Component date codes must be noted on deliverables. If parts are older than 5 years, supplier must obtain verbal or written approval from Ascentron prior to shipping</p>
Q02	<p>Supplier must flow down all applicable requirements and key characteristics from the Ascentron Purchase Order to sub-tier suppliers.  Supplier hereby acknowledges and agrees that Ascentron, our customers and any regulatory authority will have access to all levels within the supply chain in the performance of the requirements specified in this Purchase Order.  Supplier agrees to obtain approval from Ascentron for any non-conforming material prior to shipment.</p>
Q03	<p>Supplier agrees to notify Ascentron of any and all process changes, either internal or external, that could or would affect the quality of products and/or services in the performance of this Purchase Order.</p>
Q04	<p>The supplier will provide, when required, test specimens (e.g. production method, number, storage conditions) for design approval, inspection, investigation or auditing.</p>
Q05	<p>In regards to items returned to supplier for credit: Supplier must furnish credit memo to Ascentron within 30 days of receipt of returned product. If credit memo is not received by the end of the 30 day grace period, Ascentron will apply the credit to an open invoice.</p>
Q06	<p>Supplier shall have a counterfeit parts avoidance, detection, mitigation, and disposition program meeting the requirements of Aerospace Standard AS5553. Seller shall only deliver authentic components, devices, goods, etc. that are manufactured by or obtained from original equipment manufacturers (OEM's), original component manufacturers (OCM's) or authorized distributors. Upon request, seller shall make available to Ascentron documentation that authenticates and provides traceability of the parts to the applicable OEM or OCM.  Supplier shall not provide refurbished or re-used EEE parts, components, hardware, or materials.</p>
Q07	<p>Moisture sensitive components (noted as M\$# in the part description) must be packaged in moisture barrier bags (MBB) with humidity indicator card (HIC) and desiccant.</p>
Q08	<p>For Ascentron part numbers that end with a -R suffix, supplier must provide a RoHS Certificate of Conformance (C of C).</p>
Q09	<p>Components must be packaged in either continuous tape/reel, trays, or full size tubes. If not, please contact Ascentron for approval.  Polarized components must be oriented in one consistent direction.</p>
Q10	<p>Wire and cable spools shall not exceed 2 splices per 1000 FT without written approval prior to shipment.</p>
Q11	<p>Age-sensitive material requires marking with date of manufacture. Material must have a minimum of 75% shelf life remaining at time of receipt at Ascentron. Written approval is required for deviation.</p>
Q12	<p>PCB's must be manufactured in accordance with IPC Class 2 Standards.  Repairs to PCB's require written authorization from Ascentron.</p>
Q13	<p>PCB's must be manufactured in accordance with IPC Class 3 Standards.  Repairs to PCB's require written authorization from Ascentron.</p>
Q14	<p>First article Inspection Report, Material Cert, and Solder Sample required with delivery.</p>
Q15	<p>AS9102 First Article Inspection Report Required with delivery - Forms 1, 2, and 3</p>
Q16	<p>Dimensional Report required and shall include all PCB and panel dimensions from drawings.</p>
Q17	<p>All boards must have 94V-0 next to manufacturer logo indicating that it meets UL.</p>
Q18	<p>100% continuity testing and 100% electrical testing per IPC standards required (Class 2 minimum, Class 3 where specified)</p>
Q19	<p>No X-outs allowed.</p>
Q20	<p>X-outs must not exceed 5% per panel per delivery.</p>
Q21	<p>Supplier is required to provide verification that the customer-specified solder mask was used in the manufacture of the product.</p>
Q22	<p>Microsection Report required with delivery.</p>
Q23	<p>At Ascentron's discretion, a \$50 penalty will be imposed for each occurrence of missing and/or incorrect paperwork.</p>