



VECOM USA, a division of Irwin Transportation Products
Your Reliable Supplier for Mass Transit

PURCHASE ORDER QUALITY CLAUSES

It is the policy of Vecom USA to purchase only from those Suppliers who consistently meet Vecom USA requirements for quality, delivery, and reliability. Failure to comply with any requirements listed within the purchase order may be cause for rejection of the material and as such subject to a Corrective Action Request. Failure to respond to a Corrective Action Request in a timely manner may result in your removal from the Approved Supplier List.

1. **VECOM USA SOURCE INSPECTION IS REQUIRED:** VECOM USA Source Inspection is required at your plant prior to the shipment of specified product. The seller shall furnish at no additional cost test data, equipment, and facilities necessary to accomplish product inspection to applicable drawings, specifications, and other requirements. VECOM USA Quality or Engineering representatives reserve the right to re-inspect or re-test specified products, review processes, and review/audit the facility.
2. **CERTIFICATION OF CONFORMANCE IS REQUIRED:** Each shipment of specified product/material must be accompanied by a Certificate of Conformance or equivalent containing the following statement: "We hereby certify that the material supplied on this order complies in every respect to the specifications and or drawings that are referenced on the Purchase Order. Documented evidence is on file at our facility and is available for review upon request." The certificate must contain the signature and title of an officer of the seller. The certificate shall also contain the purchase order number, and the VECOM USA part number.
3. **SPECIAL PROCESS CERTIFICATION REQUIRED:** Each shipment of specified product/material must be accompanied by one (1) legible and reproducible copy of certification, or equivalent special process completed and signature and title of an authorized representative of the agency performing the test. When parts are serialized, the serial numbers must appear on the certification. Special processes requiring certification are **adhesive bonding, brazing, conversion coating, cleanliness and cleaning methods, special finishes, heat treating, insulation, peening, plating, potting, pre-treatment, specialized fabrication techniques, soldering and welding**. All special processes must be performed and accepted by VECOM USA Engineering and or Quality Assurance department.
4. **TEST REPORTS REQUIRED:** Product shipment must be accompanied by one (1) legible and reproducible copy of actual test results identifiable with the test parameters defined by drawing, PO or governing specification. These reports must contain the signature of an authorized representative of the agency performing the test.
5. **ISO 9001 QUALITY SYSTEM REQUIREMENTS:** The seller shall have a Quality System that complies with ISO 9001 for the manufacturing and delivery of products and or materials.
6. **WIRE IDENTIFICATION REQUIRED:** The seller must identify each package or spool of wire with the VECOM USA Purchase Order number, the part number, and the gauge of the wire and the date code of the wire when it was manufactured.
7. **IDENTIFICATION OF LIMITED SHELF LIFE REQUIRED:** Seller must identify each item, package, or container of limited shelf-life material with the date manufactured, storage temperature, and manufacturer's recommended shelf life. This information shall be in addition to the normal identification requirements such as name, material type, size and quantity. Each container or package of material received shall have a minimum of 90% of the shelf life remaining.
8. **ELECTROSTATIC SENSITIVE DEVICE PACKAGING AND IDENTIFICATION REQUIRED:** Parts that are static sensitive shall be packaged to provide adequate protection from static charge or discharge. The containers of static sensitive parts shall be identified utilizing a means to alert the handler.
9. **HAZARD MATERIALS AND TECHNICAL/SAFETY DATA SHEETS REQUIRED:** The seller must ship one of each of the following: (1) copy of the Material Safety Data Sheet (MSDS) that meets OSHA standards, and one (1) copy of the Manufacturers Product/Technical Data Sheet.



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10. **FIRST ARTICLE INSPECTION REQUIRED:** Prior to production, a First Article submittal is required. The First Article will be generated for one part or item furnished by the Seller that is representative of the process and or system. Production may not proceed until the seller receives **written** First Article approval. Copies of the first article shall accompany the shipment.
11. **PRINTED WIRING BOARDS (Bare boards RIGID):** The seller shall furnish with each shipment of boards a Certificate of Conformance that states the boards were manufactured to the IPC 600 class 2 standard latest edition. All deliverables shall include traceability-to-date lot code, and serial number of the PCB when manufactured. Bare boards shall be fabricated and identified to the requirements of UL, 94V-0 flammability rating.
12. **PRODUCT IDENTIFICATION MARKING:** Each item shall be labeled with part number, revision, Vecom assigned serial number, and month/year of manufacture date (DATE CODE).
13. **PRODUCT OR PROCESS CHANGE AUTHORIZATION REQUIRED:** The Seller/Manufacturer is not authorized to implement changes to product design, product material or other controlled processes and or drawings without prior written approval from VECOM USA.
14. **SUPPLIER CORRECTIVE ACTION REQUEST:** Supplier Corrective Action Requests will be forwarded by VECOM USA to the supplier when Quality or Engineering considers formal corrective action essential. The supplier shall give priority to analysis of cause and proposed corrective action. It is mandatory that replies be received within the time indicated on the Supplier Corrective Action Request form. Failure to comply will result in the removal of the supplier from the Approved Suppliers list, i.e., the system will not allow issuance of the Purchase Order and/or shipments against existing contracts.
15. **CONTROL OF SUB-TIER SUPPLIERS:** The seller is responsible for control/contract, accompanying documentation, drawings, and specifications for any sub-tier suppliers used on VECOM USA products.
16. **SPECIAL QUALITY REQUIREMENTS:** Please see the VECOM USA Purchase Order for detailed Special Instruction Requirements.
17. **CONFORMAL COATING REQUIRED FOR PCB ASSEMBLIES:** Conformal coating of assemblies shall meet IPC 610 class 2 requirements. Cleanliness for assembly preparation requirements shall be in accordance with JST-001. The vendor shall include cleanliness, cleaning, and coating thickness documentation with the shipment.
18. **REPAIR OF ELECTRONIC ASSEMBLIES:** The vendor is authorized to perform minor repairs on electronic assemblies in accordance with IPC 7721 and IPC 7711 standards. Those assemblies that have been repaired shall be identified, and copies of the repair activity document shall accompany the assembly at the time of shipment.
19. **CABLE & HARNESS ASSEMBLY REQUIREMENTS:** The supplier shall ensure Harness and Cable assemblies are fabricated in accordance with IPC WHMA/620 and JSTD-001 class 2 workmanship and soldering requirements as applicable.
20. **PRINTED CIRCUIT BOARD ASSEMBLY REQUIREMENTS:** The supplier shall ensure PCB assemblies are fabricated in accordance with IPC 610 class 2 requirements and JTD-001 class 2 requirements. Product ID labels require PN, SN, REV, and date code on each assembly.
21. **MOISTURE SENSITIVE PARTS:** The supplier shall ensure moisture sensitive parts are packaged in a sealed bag with desiccant. The supplier shall ensure the package is identified with all appropriate date code, and date sealed information.