

Precision Measurement Inc.

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An ISO 9001:2008 Certified Company

65 Hill Ave. Ste. C, Fort Walton Beach, FL 32548 USA

Only the quality requirements identified in the Precision Measurement Inc purchase order shall apply:

PQ01 CERTIFICATE OF COMPLIANCE

Shipments made against this Purchase Order shall contain a statement of compliance by the Supplier. This statement shall attest specifications, drawings and purchase order requirements have been met. It shall certify that material supplied by the contractor is the material specified on the order; that physical and chemical test reports of raw materials used are on file and are available for contractor's review either at the Supplier's plant or at those of the Suppliers' vendor. Special processes shall meet the applicable specification indicated on the drawings, purchase order, and/or statement of work. Special Processes may include but not be limited to the following: plating, heat treating, chemical films, X-ray, magnetic particle and penetrate inspection, soldering, encapsulation, fusion welding, resistance welding, gap welding, electron beam welding, electron beam welding, printed circuit boards, foundries, brazing, etc. Material received without this information may be subject to rejection.

PQ02 ISO 9001/AS9100

The Supplier shall maintain a quality management system compliant with the requirements of ISO 9001 or AS9100.

PQ03 GOVERNMENT SOURCE INSPECTION

Upon receipt of this order, supplier shall furnish a copy to the government representative who normally services your facility. If no representative is immediately available, the nearest Defense Contract Management Command office (DCMC) shall be provided this contract. DCMC shall be given a minimum of 5 working days advance notification for source acceptance testing/inspection. Evidence of source inspection shall accompany each shipment.

PQ04 PMI SOURCE INSPECTION

The Supplier shall furnish to PMI, at no cost, such facilities and equipment, and perform inspections and tests as required, to provide evidence of product/service conformance. PMI shall be given a minimum of 3 working days advance notification for source acceptance testing/inspection. Evidence of source inspection shall accompany each shipment.

PQ05 CUSTOMER/GOVERNMENT/REGULATORY SOURCE SURVEILLANCE

Supplier shall afford right of access and shall be subject to surveillance and inspection of processes, systems, procedures, and facilities by a Customer, Government, and/or Regulatory representative.

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Supplier shall furnish to the representative, at no cost, such facilities and equipment, and perform tests as required, to provide evidence of process controls.

PQ06 PMI SURVEILLANCE

PMI reserves the right to perform a Quality Assurance Survey to verify that the Supplier meets the quality processes specified on the Purchase Order. The Supplier shall be subject to surveillance and inspection of products, systems, processes/procedures, and facilities by a Precision Measurement, Inc. representative. The Supplier's Quality System is subject to audit and re-verification.

PQ07 QUALITY STANDARDS OF WORKMANSHIP

The Supplier is responsible for complying with the standard of workmanship specified in this Purchase Order. Workmanship must satisfy the minimum requirements of acceptable industry standards and specifications applicable to the Purchase Order. The system shall assure conformance to customer flow-down requirements, including key characteristics, throughout all phases of design, fabrication, inspection and test. If the Supplier's workmanship is considered inadequate the Supplier shall be required to correct deficiencies. Non-compliance may require the Supplier to develop a Standards of Workmanship Manual meeting the above requirements.

PQ08 QUALITY ASSURANCE PROGRAM PLAN

The Supplier shall prepare and submit a quality program plan in accordance with the flow down requirements of this purchase contract.

PQ09 OTHER QUALITY ASSURANCE REQUIREMENTS

Refer to the body of the Purchase order for additional Quality Assurance requirements.

PQ10 IPC-A-600/6010 SERIES, CLASS 3

Printed wiring boards shall be manufactured and supplied in accordance with IPC-A-600/ 6010 series, Class 3, High Reliability Electronics Products.

PQ11 IPC-A-600/6010 SERIES, CLASS 2

Printed wiring boards shall be manufactured and supplied in accordance with IPC-A-600/ 6010 series, Class 2, Dedicated Service Electronic Products.

PQ12 IPC-A-600/6010 SERIES, CLASS 1

Printed wiring boards shall be manufactured and supplied in accordance with IPC-A-600/ 6010 series, Class 1, General Electronics Products.

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PQ13 IPC-A-610, CLASS 3

Standards of workmanship for manufacture of electronic assemblies under this program shall, as a minimum, meet the requirements of IPC-A-610, Class 3, Acceptability of Electronic Assemblies.

PQ14 IPC-A-610, CLASS 2

Standards of workmanship for manufacture of electronic assemblies under this program shall meet the requirements of IPC-A-610, Class 2 or better, Acceptability of Electronic Assemblies.

PQ15 IPC-A-610, CLASS 1

Standards of workmanship for manufacture of electronic assemblies under this program shall meet the requirements of IPC-A-610, Class 1 or better, Acceptability of Electronic Assemblies.

PQ16 IPC/WHMA-A-620, CLASS 3

Standards of workmanship for manufacture of cable and wire harness assemblies under this program shall, as a minimum, meet the requirements of IPC/WHMA-A-620, Class 3, Requirements and Acceptance for Cable and Wire Harness Assemblies.

PQ17 IPC/WHMA-A-620, CLASS 2

Standards of workmanship for manufacture of cable and wire harness assemblies under this program shall, as a minimum, meet the requirements of IPC/WHMA-A-620, Class 2, Requirements and Acceptance for Cable and Wire Harness Assemblies.

PQ18 APPROVED SOURCES FOR SPECIAL PROCESSES

Seller and/or seller's subcontract process sources shall be an approved processor or shall use approved processors as specifically provided. A list of approved processors and associated processes are available from Buyer's Procurement Agent:

This clause shall be included in Seller's subcontracts for work performed under this purchase contract for specified processes.

A Certificate of Conformance and/or equivalent Process Certificate, signed by an authorized agent of the Processor/Seller shall be maintained by Seller. The certificate shall include purchase contract number, part numbers, Trace Numbers (as applicable), Process Specification number with revision, processing date(s) and name and address of the Processor(s) performing each of the Special Process(es).

Buyer approval of any Processor shall not relieve Seller of Seller's requirement to comply with the terms of this purchase contract.

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PQ19 NO CHANGE POLICY

The Seller/Vendor shall understand that during performance of this work there shall be no changes to:

- Product design or configuration.
- Procurement of item specification.
- Place of manufacture, processing technique, and/or outside processing source(s).

The Seller's/Vendor's inspection techniques and/or Acceptance Test Procedure (ATP)

PQ20 INSPECTION/TEST RECORD RETENTION: LIFE SPAN or 5 YRS.

Seller and Seller's Subcontractors shall maintain verifiable objective evidence of all inspections and tests performed, results obtained, and dispositions of non-conforming articles. These records shall be identified to associated articles, including heat and lot number of materials, unit or lot serialization when applicable, and shall be retained by the seller and made available for review to Buyer and/or authorized representatives/customers of the Buyer upon request. Records shall be retained in a safe, accessible location for a period of life of the article or minimum of five (5) years, whichever is greater.

Records held for the required retention period (life of the article or minimum of five (5) years) shall not be destroyed without Buyer's written concurrence. Contact Buyer for concurrence. Additional retention/storage time, if required by Buyer, will be subject to negotiation. Seller shall notify Buyer of any activity at the Seller's facility that may impact the retention of these records.

PQ21 ACCEPTANCE TEST PLAN/PROCEDURE

The Supplier shall generate an Acceptance Test Procedure (ATP) that is consistent with the requirements of the contract and verifies the product meets its' specified requirements. It will identify quantifiable parameters assuring items meet the highest reliability consistent with their design. The ATP shall include Test Data Sheet(s) for identifying and recording data. A copy of the ATP shall be provided to the buyer for review and concurrence prior to shipment of the first lot of material. Each deliverable item shall be tested to the ATP, and the resulting data forwarded with the product.

PQ22 TEST/INSPECTION DATA

Shipments made against this Purchase Order or work order, must include copies of final inspection and/or test reports, witnessed by the Supplier's Quality System, reflecting conformance to applicable specification requirements. Each report shall at least include the Supplier's name and location, part

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number, revision, serial number, date of test/inspection, parameters measured/tested with specified limits, recorded quantitative data against each identified parameter.

PQ23 FIRST ARTICLE/FIRST PIECE INSPECTION AT PMI

The Supplier is required to furnish one unit to PMI from the first production lot to verify compliance with P.O. requirements. As required by the P.O., build sheets and inspection/test data shall be submitted with the item. Compliance shall be determined by inspection to drawings and specifications.

PQ24 FIRST ARTICLE INSPECTION AT SUPPLIER

The Supplier is required to furnish verification of First Article compliance as specified on the Purchase Contract. First Articles reports shall comply with AS9102 and be submitted with the item. Compliance shall be determined by inspection to drawings and specifications. Items shall have a dimensional (variables) data sheet as part of the report.

PQ25 QUALIFIED PARTS LIST

Suppliers shipment to PMI against this purchase order shall constitute their certification that the items supplied were manufactured by a qualified parts list (QPL) facility.

PQ26 CALIBRATION COMPLIANCE WITH MIL-STD-45662A, ISO 10012, and/or ANSI/NCSL Z540

For delivery of items requiring evidence of conformance through test and measurement, the Supplier shall maintain and use suitable measuring and test equipment in accordance with MIL-STD-45662A, ISO 10012, and/or ANSI/NCSL Z540. Test/Measuring equipment shall be calibrated at acceptable intervals against appropriate standards to ensure supplied items conform to contractual requirements.

The supplier shall provide calibration certification specifying the supplier's contact details, service type, certificate number, equipment identification, test location, test date, test conditions, test methodology, acceptance limits, relevant standards and calibration results to include before and after data.

For delivery of items that they themselves require calibration, the Supplier shall furnish a Certificate of Conformance with the procured item stating the item/equipment has been calibrated and has traceability to National Institute of Standards and Technology (NIST)

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PQ27 TRACEABILITY DOCUMENTATION

The Supplier shall, in the performance of this purchase order, provide and maintain a system of traceability on this product. Documentation shall provide evidence of product conformance, traceable to its origin of manufacture.

PQ28 MIL-C/DTL-5541

Apply chemicals in accordance with MIL-C/DTL-5541, Class 1A or Class 3, as specified.

PQ29 QQ-S-365A, TYPE II

Silver plate shall comply with QQ-S-365A, Type II, grade B, .005mil thick, minimum.

PQ30 QUALIFICATION REPORTS

As defined in this purchase contract and prior to shipment of first pieces, the Supplier must submit Qualification Reports supporting drawings/specification requirements.

PQ31 IDENTIFICATION/SERIALIZATION CONTROL

Part or type number shall identify each part, component, or assembly procured on this Purchase Order. Where control of individual or multiple articles is required, one or more of the following detailed identification methods shall also be used: Serial Numbers, Lot Number, Date Codes. Buyer may define the method of traceability to include specific serialization.

PQ32 CONFIGURATION CONTROL

The Supplier shall deliver the revision of product specified on the Purchase Order, SOW, associated blueprint and/or specification. There shall be no change in configuration resulting from repair actions, a change in material, components, or dimensions without the written permission of Precision Measurement, Inc.

PQ33 SHELF LIFE, CURE/MOLD/MANUFACTURING DATE

Supplier shall indicate shelf life expiration. No material will be accepted with greater than one-fourth shelf life expended. The cure, mold or manufacture date, and shelf life when applicable, shall be supplied with each shipment of material. Information supplied shall be in accordance with the Specification referenced on the Blueprint or in the Purchase Order. Each container shall be marked with the appropriate information.

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PQ34 MARKING PERMANENCY

All marking shall meet the permanency requirements of MIL-STD-202 Method 2115, MIL-STD-130, or equivalent industry standard.

PQ35 MATERIAL SAFETY DATA SHEETS

Material Safety Data Sheets must be supplied with each shipment of this product.

PQ36 SOLDERED ELECTRICAL AND ELECTRONIC ASSEMBLIES

Supplier must meet the standards specified for Soldered Electrical and Electronics assemblies as defined in ANSI/J-STD-001, Class 3 and IPC-A-610, Class 3.

PQ37 DESIGN REVIEW

Design Review for this program will occur during the Production Readiness Review, as scheduled.

PQ38 MIL-PRF-31032

Printed wiring boards shall be manufactured and supplied in accordance with MIL-PRF-31032.

PQ39 MIL-PRF-19500 (SEMICONDUCTOR DEVICES: Transistors, Diodes, ETC.)

Suppliers shall certify that Manufacturers who offer the product described by the specifications noted herein have provided written certification, signed by the company or corporate official who has management responsibility for the production of the products: (1) that the product being supplied has been manufactured and tested in accordance with this specification and conforms to all of its requirement, and (2) that all products are as described on the certificate which accompanies the shipment.

PQ40 MIL-M-38510 (MICROCIRCUITS)

Suppliers shall certify that Manufacturers who offer the product described by the specifications noted herein have provided written certification, signed by the company or corporate official who has management responsibility for the production of the products: (1) that the product being supplied has been manufactured and tested in accordance with this specification and conforms to all of its

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requirement, and (2) that all products are as described on the certificate which accompanies the shipment.

PQ41 MIL-PRF-39018 (CAPACITORS)

Suppliers shall certify that Manufacturers who offer the product described by the specifications noted herein have provided written certification, signed by the company or corporate official who has management responsibility for the production of the products: (1) that the product being supplied has been manufactured and tested in accordance with this specification and conforms to all of its requirement, and (2) that all products are as described on the certificate which accompanies the shipment.

PQ42 MIL-I 45208

The Supplier shall maintain a quality inspection system compliant with the requirements of MIL-I-45208.

PQ43 COMPONENTS WITH SOLDERABLE LEADS OR SURFACES

Solderable component leads or surfaces (including wire) must meet the requirements for solderability per MIL-STD-202 Method 208 and/or ANSI/J-STD-202 (solderability Tests for Component Leads, Terminations, Lugs, Terminals, and Wires). Leads, pins, and terminals of components or parts susceptible to oxidation shall be protected by adequate packaging to minimize oxidation during storage and shipment.

PQ44 PREFERENCE FOR DOMESTIC SPECIALTY METALS

The Seller/ Vendor shall supply/procure/employ specialty metals defined/qualified by DFAR 252.225-7014, as prescribed by 225.7002-3(b)(1).

PQ45 PRESERVATION/ PACKAGING REQUIREMENTS

All parts, components, materials that carry contractual protection requirements shall be preserved and packaged in accordance with the specifications' requirements. When not specifically identified, all items shall be protected from damage during shipment. Preservation/Packaging material shall be of such design as to protect items from shipping and handling damage regardless of the type of carrier used. Parts, components, material, subassemblies, assemblies shall be unit packaged unless otherwise specified on the purchase order. Material subject to oxidation shall be protected against deterioration

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during storage and shipment. Material displaying signs of shipping damage or suspect functionality due to improper packaging will be rejected and returned to the vendor.

PQ46 STATIC PROTECTION

Parts that are susceptible to damage by static shall be packaged and handled as to afford protection from static damage. Material shall be packaged in a manner that shields the device from Electrostatic Discharge. Twisting the leads together as a means of static protection is prohibited. Methods of protection shall comply with acceptable Industry/DOD standards.

PQ47 PROTECTION OF MOISTURE SENSITIVE DEVICES

Electronic components susceptible to damage from elevated temperatures through re-flow soldering shall be handled, packaged, shipped in accordance with the standard IPC/JEDEC J-STD-033. Moisture Sensitive Device components shall be protected from moisture contamination by dry packaging in moisture barrier bags with desiccant, a humidity indicator card, and moisture-sensitive caution labels. The components shall also be identified to their appropriate moisture classification level (1-6) for floor life/soak level.

PQ48 SCREENING DATA

Each shipment of solid state devices shall be accompanied by objective evidence of screening in accordance with MIL-STD-883. Specific parameters for testing and acceptable quality levels (AQL) are identified in the purchase order.

PQ49 MIL-STD 1520 - CORRECTIVE ACTION AND DISPOSITION SYSTEM

It is the policy of Precision Measurement, Inc. to reject material and supplies that do not conform to contractual requirements. Acceptance of nonconforming material is the sole prerogative of Precision Measurement, Inc. Unless otherwise specified, Precision Measurement, Inc. retains final authority for material review and disposition of material notified as nonconforming.