

PRODUCT ASSURANCE PROVISIONS

(TO DETERMINE APPLICABLE REQUIREMENTS, REFER TO THE COMMODITY AND PAP CODE LIST ON THE BACK PAGE)

1. Supplier shall comply with the requirements of form 1-4.10-FM-35, titled "Supplier First Article Inspection Instructions and Forms". One (1) piece from the initial production lot of a new part shall be 100% inspected to all drawing requirements. The evaluated piece shall be identifiable by serial number or tag and a copy of page 4 and 5 of the FAI report will be submitted with the initial shipment. Refer to FAI instructions in 1-4.10-FM-35, for determining when FAI shall be performed. The original FAI documents will remain on file at the supplier's facility for seven years, unless otherwise specified by contract.
2. The supplies of this order must be controlled under a Quality Management System that conforms to requirements of AS9100 (latest revision).
3. The supplies of this order must be controlled under a Quality Management System that conforms to requirements of ISO9001 (latest revision).
4. Supplier calibration system must be maintained per ISO9001 (latest revision).
5. Kollsman Source Inspection required. This requirement does not relieve the vendor of the responsibility for final inspection and/or test, nor does it constitute final acceptance by Kollsman. A minimum of seventy-two (72) hours advanced notification is required.
7. Government Inspection is required prior to shipment from your plant. Upon receipt of this order, promptly notify the Government representative who normally services your plant so that appropriate planning for Government Inspection can be accomplished.
12. Radiographic examinations per SAE-AMS-STD-2175, Castings, Classification and Inspection of, and ASTM E 1742, Standard Practice for Radiographic Examination. All radiographic plates become Kollsman property and must be submitted with parts.
13. Equipment requiring calibration must have 75% of the calibration period remaining upon receipt. The calibration must be traceable to the National Institute of Standards Technology (NIST). The calibration certificate must accompany the equipment and indicate the company performing the calibration, date of calibration and expiration date.
14. Test equipment operational documentation such as written instructions, operator manuals, and/or instruction sheets, must be provided with each unit.
16. Each shipment must be accompanied by a "Certificate of Compliance" stating the seller has available for examination specific data or other objective evidence of conformance to applicable specifications including materials and Kollsman or Military process specifications when applicable. Such certificates must bear the authentic signature and title of an authorized representative of the seller. A photocopy of the certification is acceptable.

Certified suppliers should not send certificate of compliance with shipment, but must retain it at their facility for a minimum of (7) seven years.
17. Indicate either on the container or provide a document stating the following:

Date of manufacture, warranted storage at room temperature, storage life beyond warranty period as established by supporting documents/data (e.g., military specifications, stability studies, etc.) and any special condition for extending useful life (e.g., keep frozen or refrigerated, storage in dark area, etc.). Material must be received at Kollsman with at least 75% of the useful shelf life remaining, unless otherwise stipulated. In cases of rubber material, a certificate must be supplied separate from seller's packing sheet but included with the material, specifying rubber cure date and if required by specification, the durometer reading.
18. A copy of all final test data which substantiated acceptance of products for this purchase order is to accompany shipment. The supplier is required to furnish the actual test data by serial number for electrical characteristics when such products are serialized.
19. Physical test results and/or quantitative chemical analysis of raw material supplied, or used in the manufacture of parts and/or assemblies traceable to this order must accompany all shipments.
29. (ESD) Electronic parts are susceptible to damage by electrostatic discharge (ESD) and/or electromagnetic forces (EMF) and must be handled and packaged in accordance with MIL-STD-1686.
34. In addition to your normal lot evaluation and inspection, one (1) piece shall be 100% inspected to drawing requirements. A data sheet showing drawing requirements and your actual measurements shall be supplied to Kollsman as objective evidence of such analysis. The evaluated piece must be identifiable with the data through serial number or tagging.
37. Statistical Process Control (SPC) should be used whenever such procedures are suitable to maintain the required control of quality. Control charts may be produced and maintained in accordance with ANSI specs Z1.1, Z1.2 and Z1.3.
41. The first shipment of each part number must consist of three (3) pieces only. One of the three must be identified and accompanied by recorded dimensions for 100% of the drawing parameters. Additional shipments cannot take place until supplier receives written notification of a successful mold approval. Above process must be repeated for new or repaired molds.
98. Additional requirements as necessary are indicated within purchase order.

COMMODITY AND PAP CODE STANDARD REQUIREMENTS

	<u>COMMODITY CODE</u>	<u>DESCRIPTION</u>	<u>PAP CODES</u>
1.	ADHESIVES	Adhesive, Sealant; Catalyst; Epoxy	3; 16; 17
2.	BATTERIES	Batteries	1; 3; 16
3.	BEARINGS	Bearings	1; 3; 16; 17
4.	CABLE	Cable and Harness Assemblies	1; 3; 16
6.	CASES	Cases	1; 3; 16
7.	CASTINGS-DIE	Castings-Die	1; 3; 16
8.	CASTINGS-INVEST	Castings-Investment	1; 3; 16
9.	CASTINGS-SAND	Castings-Sand	1; 3; 16
10.	CHEMICAL COMP	Catalysts, Coolants, Washing & Cleaning Chemicals	98
11.	COMPUTER	Computer Hardware/Software	98
12.	CONSULTANTS	Consultants	98
13.	DETECTORS, IR	Detectors, Infrared	1; 3; 16; 18
14.	ELECT/MECH	Electromechanical Assy's, Power Supplies, Coolers, Valves	1; 3; 16; 18
14A.	ELECT/NONSTD	LED Arrays, Image Tubes, Electrical Assy's, Coils	1; 3; 16
14B.	MECH/ASSY	Mechanical Assemblies	1; 3; 16
15.	ELECTRICAL	Electrical Components (Industry Standard / Catalog Items)	3; 16
16.	ELECTRO-OPT	Electro Optical Assy's, FLIRS, Cameras and Imaging Equipment	1; 3; 16; 18
17.	GASKETS	Non-Rubber Gaskets, Seals, EMI, O-rings	1; 3; 16
18.	GEARS	Gears	1; 3; 16
19.	HARDWARE	Hardware, Fasteners (Industry Standard / Catalog Items)	3; 16
20.	LABELS	Labels, Graphics, Logos, & Nameplates	1; 3; 16
21.	LABOR	Contract Labor	98
22.	LASER	Lasers	1; 3; 16
23.	MACHINING-GEN	General Machining	1; 3; 16
24.	MACHINING-PREC	Precision Machining	1; 3; 16
25.	MACHINING-SCR	Screw Machining-All types	1; 3; 16
26.	MAGNETS	Magnets	1; 3; 16
27.	MAINT	Maintenance Supplies	98
28.	MAJOR SUBS	Major Subcontractors	1; 3; 16; 18
29.	MISC	Miscellaneous	98
30.	MOTORS	Motors	1; 3; 16
32.	OPTICAL	Optical Components	1; 3; 16
33.	PACKAGING	Packaging Material	3; 16
34.	PAINT	Paint	16,17
35.	PCB	Raw Printed Circuit Boards	1; 3; 16
36.	PCBA	Printed Circuit Board Assemblies	1; 3; 16
37.	PCBA/HARNESS	Mfg's PCBA Assy's & Harness Assemblies	1; 3; 16
38.	PLASTIC	Plastic Components	1; 3; 16
39.	PLASTIC MOLD	Plastic Molded Components	1; 3; 16
40.	PLATING	Plating	3; 16
41.	PUMPS	Pumps	1; 3; 16
42.	RAW MATL	Raw Material	1; 3; 16
43.	RENTAL	Rental/Leases	98
44.	RUBBER	Rubber Components: Gaskets, Seals, O-rings	1; 3; 16; 17
45.	SERVICES	Outside Services	98
46.	SHEETMETAL	Sheet Metal Fabrication	1; 3; 16
47.	SPRINGS	Springs	1; 3; 16
48.	STAMPINGS	Stampings	1; 3; 16
49.	TEST EQUIP	Test Equipment	3; 14
50.	TOOLING	Tooling	1; 3; 16
51.	WIRE	Wire, Cable, Sleeving, Ties	1; 3; 16