

## LIST OF QA CLAUSES

SORTED BY QA CLAUSE

| QA CODE | DESCRIPTION   |
|---------|---|
| QA04A   | TEST AND INSPECTION DATA SHALL BE RETAINED FOR 3 YEARS.   |
| QA04B   | TEST AND INSPECTION DATA SHALL BE RETAINED FOR 5 YEARS.   |
| QA04C   | TEST AND INSPECTION DATA SHALL BE RETAINED FOR 8 YEARS.   |
| QA04D   | TEST, INSPECTION, AND ALL DATA RELATING TO THE MANUFACTURE OF THE MATERIAL ON THIS PURCHASE ORDER MUST BE RETAINED FOR NOT LESS THEN TEN (10) YEARS.  |
| QA06    | 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.   |
| QA11    | MATERIAL REVIEW AUTHORITY IS NOT AUTHORIZED FOR REPAIR OR USE-AS-IS DECISIONS UNLESS EXPRESSLY DELEGATED IN WRITING.  |
| QA12    | SELLER SHALL PERMIT ACCESS TO L3HARRIS QUALITY ASSURANCE, OUR CUSTOMER, OR ANY REGULATORY AUTHORITY TO DETERMINE THE ADEQUACY OF THE SELLERS QUALITY SYSTEM, OR MATERIAL QUALITY AT ALL PRODUCTION STATES OF THE MATERIALS BEING SUPPLIED.  |
| QA15    | SELLER MUST MAINTAIN A QUALITY SYSTEM THAT MEETS ISO 9001:2015 OR IS AN APPROVED SUPPLIER OF L3HARRIS. SELLER SHALL ENSURE THAT INDIVIDUALS PROCESSING THIS ORDER ARE AWARE OF THEIR CONTRIBUTION TO PRODUCT CONFORMITY, SAFETY AND ETHICAL BEHAVIOR.   |
| QA21    | NOTIFY L3HARRIS THAT THE FIRST PIECE IS COMPLETED, AND REQUEST AUTHORIZATION TO PROCEED.  |
| QA22    | ALL CHANGES TO DRAWINGS, PROCEDURES AND OPERATING REQUIREMENTS OF THE ITEMS ON THE PURCHASE ORDER MUST BE APPROVED IN WRITING BY L3HARRIS.  |
| QA23    | NOTICE OF TIME AND ENVIRONMENTAL SENSITIVE ITEMS MUST ACCOMPANY EACH SHIPMENT INDICATING SPECIAL STORAGE REQUIREMENTS AND EXPIRATION DATE. THIS INFORMATION MUST ALSO BE RECORDED ON THE EQUIPMENT/MATERIALS OR PACKAGE LABEL. TIME SENSITIVE ITEMS MUST HAVE A MINIMUM OF 75% REMAINING LIFE ON RECEIPT. |
| QA24    | TEST/INSPECTION PROCEDURES, CONTROLLED BY THE SUPPLIER, MUST BE APPROVED BY L3HARRIS BEFORE START OF TEST/INSPECTION.   |
| QA25    | (DELETED)   |
| QA26    | ATTRIBUTE DATA MUST ACCOMPANY EACH SHIPMENT REFERENCING PART IDENTIFICATION, SERIAL NUMBER, LOT IDENTIFICATION AND TEST.  |
| QA27    | ACTUAL TEST READINGS MUST ACCOMPANY EACH SHIPMENT REFERENCING PART IDENTIFICATION, SERIAL NUMBER, LOT IDENTIFICATION AND TEST.  |
| QA29    | L3HARRIS SOURCE INSPECTION MAY BE INVOKED ON THIS ORDER AS SPECIFIED IN L3HARRIS DOCUMENT QWI305.   |
| QA29A   | L3HARRIS PRE-CLOSE SOURCE INSPECTION IS INVOKED ON THIS PURCHASE ORDER. HOWEVER, FINAL ACCEPTANCE IS PERFORMED AT L3HARRIS.   |
| QA30    | SELLER SHALL IDENTIFY TRUE MANUFACTURER'S LOT NUMBER.   |
| QA32    | DEVICES DELIVERED MUST BE IDENTIFIED TO THE WAFER LOT. ONLY THOSE WAFER LOTS APPROVED IN ADVANCE BY L3HARRIS QUALITY ASSURANCE MAY BE USED.   |
| QA33    | LOT-DATE-CODES SHALL NOT EXCEED TWO (2) YEARS AT THE TIME OF RECEIPT AT L3HARRIS.   |
| QA34    | ALL DEVICES DELIVERED UNDER THE SAME LINE ITEM SHALL BE FROM THE SAME LOT-DATE-CODE. PARTIAL SHIPMENTS AGAINST THE SAME PO LINE ITEM MUST BE FROM THE SAME LOT DATE-CODE.   |
| QA34B   | MULTIPLE LOT DATE CODES MUST BE SEGREGATED ON SEPARATE REELS; SEPARATE TUBES; SEPARATE STICKS; ETC. AND IDENTIFIED BY LOT DATE CODE AND QUANTITY UNLESS SUPERSEDED BY QP23.   |
| QA35    | ESD PROTECTION-DEVICES SUBJECT TO ESD DEGRADATION MUST BE PACKAGED TO PREVENT ESD DAMAGE.   |
| QA36    | A CERTIFICATE OF TRACEABILITY IN ACCORDANCE WITH MIL-PRF-19500 SHALL BE SUPPLIED FOR EACH SHIPMENT.   |
| QA37    | DESTRUCTIVE PHYSICAL ANALYSIS (DPA) AS SPECIFIED IN THE CONTROLLING DOCUMENTS IS THE RESPONSIBILITY OF L3HARRIS AND NOT THE SELLER.   |
| QA38    | A SIGNED CERTIFICATE OF CONFORMANCE IS REQUIRED TO ACCOMPANY EACH SHIPMENT AND MUST REFERENCE THE L3HARRIS PO NUMBER. ALL PRODUCT IDENTIFICATION INFORMATION ON CERTIFICATE OF COMPLIANCE MUST MATCH INFORMATION ON PO.   |
| QA39    | A CERTIFICATE OF TRACEABILITY IN ACCORDANCE WITH MIL-PRF-38535 SHALL BE SUPPLIED FOR EACH SHIPMENT.   |

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|---------|--|
| QA40    | ALL RAW MATERIAL SUCH AS METAL PLATE, BAR STOCK, ELECTRICAL POTTING COMPOUNDS, ADHESIVES AND GASKET MATERIAL USED IN THE FABRICATION OF PARTS, MATERIAL, OR SUPPLIES PROCURED UNDER THE L3HARRIS PURCHASE ORDER SHALL HAVE COPIES OF THE ORIGINAL MANUFACTURER'S ACTUAL MATERIAL/MILL CERTIFICATION OF CHEMICAL AND PHYSICAL PROPERTIES ACCOMPANY EACH SHIPMENT.   |
| QA41A   | A SEPARATE CERTIFICATE OF CONFORMANCE IS REQUIRED TO ACCOMPANY EACH SHIPMENT TO L3HARRIS STATING THAT THE REQUIREMENTS OF THE SPECIFIED MATERIAL FINISHING OR COATING HAVE BEEN ACHIEVED AND THE RESULTS/CONDITIONS ARE DOCUMENTED.  |
| QA43    | MATERIAL CONTROL, SUBCONTRACT (DELETED)  |
| QA44    | WORKMANSHIP, SUBCONTRACTED EQUIPMENT (DELETED)   |
| QA45A   | SOLDERING REQUIREMENTS, SUBCONTRACTED EQUIPMENT (DELETED)  |
| QA45B   | SOLDERING REQUIREMENTS, SUBCONTRACTED EQUIPMENT (DELETED)  |
| QA46    | SOLDERING REQUIREMENTS, SUBCONTRACTED EQUIPMENT (DELETED)  |
| QA47    | PRINTED WIRING BOARDS PURCHASED UNDER THIS L3HARRIS PURCHASE ORDER SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF IPC-6011/6012 UNLESS OTHERWISE STATED ON THE MASTER DRAWING. MULTI LAYER BOARDS REQUIRE (POSITIVE) ETCHBACK. PWB'S USING TEFLON BASE MATERIAL MAY USE IPC-6018 UNLESS OTHERWISE STATED ON THE MASTER DRAWING. WHEN DELIVERED IN PANEL FORM THERE SHALL BE NO DEFECTIVE CIRCUITS. LPI SOLDER MASK PER IPC-SM-840 TYPE B, CLASS 3 IS TO BE USED ON TYPE 3 PWB'S IN LIEU OF ANY DRY FILM SOLDER MASK REQUIREMENT ON THE DRAWING. FR5 (NATURAL) PER IPC-4101/23 IS AN ACCEPTABLE SUBSTITUTE FOR FR5 (WHITE). 100% ELECTRICAL TESTING TO THE NET LIST DATA IS REQUIRED. GFG MATERIAL SHALL BE UTILIZED IN PLACE OF GFN MATERIAL ON MULTILAYER (3 OR MORE) 5400XXX SERIES PWB'S. |
| QA47RF  | DELETED  |
| QA49    | THIS IS A RATED ORDER CERTIFIED FOR USE UNDER THE DEFENSE PRIORITIES AND ALLOCATIONS SYSTEMS (DPAS) (15CFR350). YOU ARE REQUIRED TO FOLLOW THE PROVISIONS OF DPAS AND OF ALL OTHER APPLICABLE REGULATIONS AND ORDERS IN OBTAINING CONTROLLED MATERIALS AND OTHER PRODUCTS AND MATERIALS NEEDED TO FILL THIS ORDER.   |
| QA51    | ITEMS ON THIS PO MUST MEET REQ. OF MIL-STD-202, METHOD 208, INCLUDING STEAM AGING.   |
| QA53    | ALL DIMENSIONAL MEASUREMENTS SHOWN ON THE L3HARRIS DRAWING ARE TO BE RECORDED AND MUST ACCOMPANY EACH ITEM OF EACH SHIPMENT. (DELETED)   |
| QA54    | THE SUPPLIER IS HEREBY REQUIRED TO NOTIFY L3HARRIS PROCUREMENT IN WRITING PRIOR TO PERFORMING ANY OF THE WORK HEREIN REQUIRED IN FACILITIES OTHER THAN THOSE CURRENTLY APPROVED.   |
| QA56A   | ALL PASSIVE CHIP DEVICES SUPPLIED ON THIS ORDER SHALL BE INSPECTED BY THE SUPPLIER AND SHALL MEET THE VISUAL INSPECTION CRITERIA DEFINED IN L3HARRIS DOCUMENT NO. PD65001772.  |
| QA57    | PART ORDERED IS BEING PROCURED FOR A SURFACE MOUNT PROCESS. THE PART MUST BE SUPPLIED IN TAPE AND REEL FORMAT ON 4 OR 7 REELS. (REF. EAI STD 481)  |
| QA59    | FOR EACH NEW (OR NEW REVISION) BOARD, BARE BOARD MANUFACTURERS ARE TO SUPPLY ONE SCRAP BOARD ALONG WITH EACH PRODUCTION ORDER. THIS ADDITIONAL BOARD IS REQUIRED BY PROCESS ENGINEERING TO TAKE TEMPERATURE PROFILE.   |
| QA59A   | FOR EACH NEW (OR NEW REVISION) BOARD, ONE BOARD FROM THIS ORDER IS REQUIRED BY PROCESS ENGINEERING TO TAKE TEMPERATURE PROFILES. SUPPLIER IS PERMITTED TO SUPPLY A SCRAP BOARD FROM THIS PRODUCTION LOT AT NO COST, AND TO REDUCE THE ORDER ACCORDINGLY. IF BOARDS ARE SUPPLIED IN PANEL FORM, ONE (1) X-OUT IS ACCEPTABLE AS THE SCRAP BOARD. L3HARRIS INCOMING INSPECTION SHALL FORWARD THE SCRAP BOARD DIRECTLY TO SYSTEMS PROCESS ENGINEERING.   |
| QA59B   | FOR EACH NEW (OR NEW REVISION) BOARD, TWO BOARDS FROM THIS ORDER ARE REQUIRED BY PROCESS ENGINEERING TO TAKE TEMPERATURE PROFILES. SUPPLIER IS PERMITTED TO SUPPLY SCRAP BOARDS FROM THIS PRODUCTION LOT AT NO COST, AND TO REDUCE THE ORDER ACCORDINGLY. IF BOARDS ARE SUPPLIED IN PANEL FORM, TWO (2) X-OUT'S ARE ACCEPTABLE AS THE SCRAP BOARDS. L3HARRIS INCOMING INSPECTION SHALL FORWARD THE SCRAP BOARDS DIRECTLY TO SYSTEMS PROCESS ENGINEERING.   |
| QA60    | COMPONENTS UNDER THIS PURCHASE ORDER ARE MOISTURE SENSITIVE AND MUST BE PACKAGED APPROPRIATELY INCLUDING MSL LABELING BY THE SUPPLIER.   |
| QA61    | COPIES OF STATISTICAL DATA MUST BE FURNISHED WITH THIS ORDER FOR ALL ITEMS MANUFACTURED WITH STATISTICAL PROCESS CONTROL TECHNIQUES.   |
| QA62    | POSITIVE ETCHBACK PER MIL-PRF-55110 UNLESS OTHERWISE STATED ON MASTER DRAWING IS REQUIRED FOR ALL MULTI LAYER PRINTED CIRCUIT BOARDS.  |
| QA63    | EACH SHIPMENT VENDOR WILL SUPPLY COUPONS (NICKEL & SILVER) OR TRACEABILITY INFO TO PREVIOUSLY SUPPLIED COUPONS. IF COUPONS ARE NOT AVAILABLE, A C OF C IS REQUIRED STATING ALL PIECES WERE HEATED TO 200 DEGREES C FOR 20 MINUTES.   |

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|---------|---|
| QA64    | USE OF PINK POLYETHYLENE PLASTIC IN ANY FORM (BAGS, BUBBLE WRAP, FOAM...ETC.) AND STAPLES ARE NON-AUTHORIZED PACKAGING MATERIALS AND SHALL NOT BE USED FOR COMPLIANCE WITH L3HARRIS FOREIGN OBJECT ELIMINATION PROGRAM WHERE SUCH ITEMS ARE PROHIBITED IN THE VICINITY OF THE MANUFACTURED PRODUCTS. PACKAGE CANNOT CONTAIN ANY UNNECESSARY PAPER, CARDBOARD OR PLASTIC. USE ANTI-STATIC FOAM/BAGS WHEN DELIVERING ESD SENSITIVE MATERIAL. SHIPPING CONTAINERS ARE EXCLUDED.  |
| QA65    | MATERIAL MAY BE USED IN MANNED SPACE FLIGHTS.   |
| QA66    | THE SUPPLIER SHALL USE IPC-A-610 OR ANSI/J-STD-001 CLASS III WORKMANSHIP STANDARD INSTEAD OF ANY L3HARRIS WORKMANSHIP STANDARD REFERENCED ON THE ASSEMBLY DRAWING.  |
| QA67    | PRINTED CIRCUIT BOARDS SHALL BE ELECTRICALLY TESTED TO THE NET LIST DATA.   |
| QA68    | MECHANICAL HARDWARE DELIVERED UNDER THIS PO MUST BE INDIVIDUALLY WRAPPED (REF.QA64) PRIOR TO PLACING IN SHIPPING CONTAINER.   |
| QA69    | L3HARRIS INFORMAITON SHALL BE MARKED ON PANELS IN PLACE OF PREVIOUS DIVISION  |
| QA70    | DELETED.  |
| QA71    | ALL ELECTRONIC HARDWARE ORDERED HEREIN IS REQUIRED TO MEET ENVIRONMENTAL STRESS SCREENING AT THE PART LEVEL ON A 100% BASIS. THE ENVIRONMENTAL STRESS SCREENING TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE GUIDELINES OF TASK 301 PER MIL-STD-785. THE SUPPLIER SHALL GUARANTEE THAT HARDWARE SUPPLIED ON THIS PURCHASE ORDER WILL SUCCESSFULLY PASS THE ENVIRONMENTAL STRESS SCREENING TESTS AND INSPECTIONS.   |
| QA72    | THE SUPPLIER OF THIS PACKAGE MUST SUPPLY L3HARRIS SAMPLES OF THE ACTUAL LEAD MATERIAL USED TO FABRICATE THIS DEVICE.  |
| QA73    | PRODUCT RETURNED FROM L3HARRIS FOR REPAIR WILL REQUIRE A FAILURE ANALYSIS. THE PART MANUFACTURER MUST DEFINE AND REPORT FAILURE MODE AND ACTION TAKEN TO CORRECT THE DEFICIENCY.  |
| QA74    | MATERIAL RECEIVED AT L3HARRIS MUST HAVE AN ANALYSIS ESTABLISHING THE CHEMICAL COMPOSITION. THE ANALYSIS MUST VERIFY COMPLIANCE TO THE PROCUREMENT DOCUMENT, PURCHASE ORDER, AND THE RAW MATERIAL SPECIFICATION.   |
| QA75    | NO PURE TIN FINISH (OR PLATING) IS ALLOWED ON ANY ELECTRICAL OR MECHANICAL COMPONENT. IT IS THE SUPPLIER'S RESPONSIBILITY TO VERIFY THAT THE FINISH USED ON ANY COMPONENT IS NOT PURE TIN. THAT IS, IT MUST CONTAIN A MINIMUM OF 3% LEAD. PURE TIN FINISH COMPONENTS MAY ONLY BE PROVIDED BY SPECIAL WAIVER THAT MUST BE OBTAINED FROM L3HARRIS PRIOR TO SHIPMENT.  |
| QA76    | ANY SPECIAL PROCESS AND SUBCONTRACTOR MUST BE APPROVED IN ADVANCE BY L3HARRIS AND THE CUSTOMER (AS REQUIRED) BEFORE ANY WORK CAN BE PERFORMED. SPECIAL PROCESSES INCLUDE: PLATING AND CHROMATE CONVERSION. DOES NOT INCLUDE MACHINING, SOLDERING OR PRINT WIRING BOARD FABRICATION, WHICH CAN BE VERIFIED BY INSPECTION MEASUREMENTS OR OTHER TESTS.  |
| QA77    | COUPONS AND A SUPPLIER MICROSECTION REPORT PER PANEL ARE REQUIRED FOR EACH LOT/DATE CODE OF PWB ORDERED. A 3RD PARTY MICROSECTION REPORT PER LOT FROM AN APPROVED DLA/DSCC LAB IS REQUIRED FOR EACH LOT/DATE CODE OF PWB ORDERED. MASTER DRAWING MUST BE SUPPLIED TO THE 3RD PARTY TEST LAB FOR PROPER ANALYSIS.  |
| QA78    | WHEN THIS ORDER INCLUDES PARTS CONTAINING SPECIALTY METALS, DFAR 252.225-7014 AND ALTERNATE I APPLY FOR PREFERENCE OF DOMESTIC SPECIALTY METALS. THIS REQUIRES ANY COMPONENT, FASTENER, SHEET METAL, RAW MATERIAL OR FABRICATED METALWORK CONTAINING A SPECIALTY METAL TO BE MELTED IN THE U.S. OR A QUALIFYING COUNTRY. THIS REQUIREMENT MUST BE FLOWED DOWN TO ALL SUBCONTRACTS AND PURCHASE ORDERS. SPECIALTY METALS ARE DEFINED IN THE DFAR, AND INCLUDE STAINLESS STEEL, TITANIUM AND ZIRCONIUM (OR ALLOYS), AND IRON/NICKEL ALLOYS CONTAINING OTHER METALS IN EXCESS OF 10%. THIS REQUIREMENT DOES NOT APPLY TO ALUMINUM BASED ALLOYS.  |
| QA79    | THE SUPPLIER SHALL PROVIDE NO LESS THAN THREE BUSINESS DAYS ADVANCE NOTIFICATION TO L3HARRIS PROCUREMENT REPRESENTATIVE BEFORE ITEMS ARE READY FOR START OF PRODUCTION. THE SUPPLIER SHALL NOT PROCEED WITHOUT L3HARRIS WRITTEN AUTHORIZATION TO PROCEED AFTER REVIEW OF PROCESS DURING L3HARRIS VISIT.   |
| QA80    | IF SUSPECT/COUNTERFEIT PARTS ARE FURNISHED UNDER THIS ORDER OR ARE FOUND IN ANY OF THE GOODS DELIVERED HEREUNDER, SUCH ITEMS WILL BE IMPOUNDED BY L3HARRIS. THE SELLER SHALL PROMPTLY REPLACE SUCH SUSPECT/COUNTERFEIT PARTS WITH PARTS ACCEPTABLE TO L3HARRIS AND THE SELLER SHALL BE LIABLE FOR ALL COST RELATED TO THE REMOVAL AND REPLACEMENT OF SAID PARTS. TO FURTHER MITIGATE THE POSSIBILITY OF THE INADVERTENT USE OF COUNTERFEIT PARTS, THE SELLER SHALL ONLY PURCHASE COMPONENTS AND PARTS PROCURED DIRECTLY FROM THE ORIGINAL EQUIPMENT MANUFACTURER (OEMS), THROUGH THE OEMs AUTHORIZED DISTRIBUTOR CHAIN, OR IF THROUGH AN INDEPENDENT DISTRIBUTOR, SELLER MUST RECEIVE APPROVAL IN WRITING FROM L3HARRIS. L3HARRIS RESERVES ALL CONTRACTUAL RIGHTS AND REMEDIES TO ADDRESS GRIEVANCES AND DETRIMENTAL IMPACTS CAUSED BY SUSPECT/COUNTERFEIT PARTS. |

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|---------|---|
| QA81    | SUPPLIER SHALL PERIODICALLY VALIDATE TEST REPORTS AND/OR PERFORM TESTING TO VALIDATE RAW MATERIALS AS WELL AS RAW MATERIALS USED TO PRODUCE FABRICATED (MACHINED) PURCHASES. THE SUPPLIER SHALL MAINTAIN THE RAW MATERIAL VALIDATION RESULTS AND PROVIDE OBJECTIVE EVIDENCE UPON REQUEST  |
| QA82    | PURCHASE ORDER AND PART NUMBERS MUST BE REFERENCED ON ALL PACKING LISTS, INVOICES, AND CORRESPONDENCE.  |
| QA83    | THE USE OF ITAR ITEMS STRICTLY PROHIBITED WITHOUT THE EXPRESS WRITTEN CONSENT OF L3HARRIS.  |
| QA84    | THE USE OF INTEGRATED CIRCUITS WITH DATE CODES OF GREATER THAN THREE YEARS, OR FOUR YEARS FOR ALL OTHER COMPONENTS IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY L3HARRIS.  |
| QA85    | SUPPLIERS OF ROHS CERTIFIED COMPONENTS AND ASSEMBLIES MUST PROVIDE A MATERIALS DECLARATION FORM IPC-1752 (WWW.IPC.ORG) OR A STATEMENT CERTIFYING COMPLIANCE WITH ROHS DIRECTIVE EU2002/95/EC PRIOR TO OR WITH FIRST DELIVERY.   |
| QA86    | TECHNICAL DATA PROVIDED AND/OR COMMODITIES SUPPLIED ARE CONTROLLED UNDER THE EXPORT ADMINISTRATION REGULATIONS (EAR), AND MAY NOT BE EXPORTED TO A FOREIGN PERSON, EITHER IN THE U.S. OR ABROAD, WITHOUT A LICENSE OR LICENSE EXCEPTION FROM THE U.S. DEPARTMENT OF COMMERCE.   |
| QA87    | TECHNICAL DATA PROVIDED AND/OR DEFENSE ARTICLES SUPPLIED ARE CONTROLLED UNDER THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR), AND MAY NOT BE EXPORTED TO A FOREIGN PERSON, EITHER IN THE U.S. OR ABROAD, WITHOUT A LICENSE OR LICENSE EXEMPTION FROM THE U.S. DEPARTMENT OF STATE.  |
| QA88    | MANUFACTURERS AND/OR SUPPLIERS OF DEFENSE SERVICES OR ARTICLES MUST BE REGISTERED WITH THE DIRECTORATE OF DEFENSE TRADE CONTROLS (DDTC).  |
| QA89    | <p>THE SUPPLIER IS REQUIRED TO PERFORM 100 PERCENT INSPECTION AND RECORD THE ATTRIBUTES FOR THE FIRST PIECE OF THIS PURCHASE ORDER UNLESS A FIRST ARTICLE REPORT HAS BEEN DONE FOR THE SAME PART ON A PREVIOUS PURCHASE ORDER AND IS STILL VALID PER THE CONDITIONS LISTED BELOW. THE FIRST ARTICLE(S) SHALL BE REPRESENTATIVE OF THE PRODUCTION RUN, UTILIZING PRODUCTION TOOLING AND PROCESSES.</p> <p>THE FOLLOWING DATA MUST BE RECORDED/COLLECTED:</p> <ul style="list-style-type: none"> <li>-EACH DIMENSION ON THE DRAWING SHALL BE MEASURED AND THE RESULT RECORDED ALONG WITH APPROPRIATE TOLERANCE.</li> <li>--IF THERE IS MULTIPLES OF THE SAME MEASUREMENT ON THE DRAWING, EACH MUST BE MEASURED AND INDIVIDUAL MEASUREMENTS NOTED OR A RANGE OF VALUES GIVEN.</li> <li>-THE ASSET NUMBER (OR OTHER UNIQUE IDENTIFIER) AND CALIBRATION DUE DATE OF EVERY INSTRUMENT USED TO MAKE THE ABOVE MEASUREMENTS SHALL BE RECORDED.</li> <li>-EACH NOTE ON THE DRAWING SHALL HAVE THE METHOD OF COMPLIANCE RECORDED (I.E., VERIFIED BY INSPECTION, NOTE IS A DESIGN DIRECTION, ETC).</li> <li>-LOT INFORMATION FOR ANY RAW MATERIALS USED IN THE CONSTRUCTION OF THE PART SHALL BE RECORDED.</li> <li>--CERTIFICATES OF CONFORMANCE FROM THE ORIGINATOR OF THE MATERIAL SHALL BE INCLUDED AS WELL AS CERTIFICATES OF CONFORMANCE FOR ALL FINISHING OR COATING PROCESSES.</li> </ul> <p>THE FIRST ARTICLE INSPECTION REPORT SHALL BE APPROVED BY THE SUPPLIER'S QUALITY ASSURANCE FUNCTION. ADDITIONALLY, THE SUPPLIER SHALL PERFORM ADDITIONAL FIRST ARTICLE INSPECTION(S) AFTER EVERY MAJOR TOOLING OR PROCESS CHANGE, EVERY DESIGN/REVISION CHANGE, AND WHEN THERE HAS BEEN A GAP IN PRODUCTION OF THE PART OF MORE THAN 2 YEARS. RECORDS OF ALL FIRST ARTICLE ACTIVITY WILL BE DOCUMENTED AND UTILIZED FOR QUALITY ACCEPTANCE. A COPY OF THE FIRST ARTICLE INSPECTION REPORT SHALL ACCOMPANY THE SUBJECT HARDWARE WHEN SHIPPED /DELIVERED.</p> <p>THIS NOTE APPLIES ONLY TO L3HARRIS DESIGNS, NOT STANDARD CATALOG ITEMS.</p> |
| QA90    | <p>SUPPLIER SHALL MAINTAIN A FOREIGN OBJECT (FO) CONTROL PROGRAM WITH A DOCUMENTED AND CURRENT PLAN ASSURING WORK IS ACCOMPLISHED IN A MANNER PREVENTING FOREIGN OBJECTS OR MATERIALS FROM ENTERING AND REMAINING IN DELIVERABLE ITEMS. THE SUPPLIER SHALL IDENTIFY A FO CONTROL PERSON RESPONSIBLE FOR IMPLEMENTING THE FO CONTROL PROGRAM. SUPPLIER SHALL PROVIDE FO CONTROL PROGRAM TRAINING TO EMPLOYEES PERFORMING OPERATIONS ON L3HARRIS FOD SENSITIVE PRODUCTS. MAINTENANCE OF THE WORK AREA AND CONTROL OF TOOLS, PARTS AND MATERIAL SHALL PRECLUDE THE RISK OF FO INCIDENTS. PRIOR TO CLOSING INACCESSIBLE OR OBSCURED AREAS AND COMPARTMENTS DURING ASSEMBLY, THE SUPPLIER SHALL INSPECT FOR FOREIGN OBJECTS/MATERIALS. TOOLING, JIGS, FIXTURES, AND TEST OR HANDLING EQUIPMENT SHALL BE MAINTAINED IN A STATE OF CLEANLINESS AND REPAIR TO PREVENT FOREIGN OBJECT DAMAGE (FOD). THE SUPPLIER SHALL DOCUMENT AND INVESTIGATE ALL FO INCIDENTS ASSURING ELIMINATION OF THE ROOT CAUSE. L3HARRIS SHALL HAVE THE RIGHT TO PERFORM INSPECTIONS, VERIFICATION AND FO CONTROL PROGRAM AUDITS AT SUPPLIER'S FACILITY TO ASSURE PROGRAM DOCUMENTATION AND EFFECTIVENESS. SUPPLIER SHALL FLOW DOWN REQUIREMENTS AS REQUIRED TO THEIR SUPPLIERS TO ENSURE COMPLIANCE TO THIS REQUIREMENT</p>  |

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|----------------|--|
| QA91           | L3HARRIS INTERNAL SPECIFICATION "IS61004269" (INTERNAL SPEC SUPPLEMENT FOR PWB ENIG FINISH IAW IPC-4552) IS INVOKED ON ALL PCB'S/PWB'S REQUIRING ENIG FINISH PER FABRICATION DRAWING FINISH NOTE. THE REQUIREMENTS CONTAINED IN THE "IS" SHALL BE SUBJECT TO INSPECTION ACCEPTANCE BY THE PCB/PWB SUPPLIER AND THEIR THIRD-PARTY LAB ON AFFECTED PRODUCT AS OF THE LATEST REVISION DATE OF THE "IS". SUPPORTING RECORDS AND DOCUMENTATION SHOWING "IS" COMPLIANCE SHALL BE MADE AVAILABLE, WITH LOT CONFORMANCE DOCUMENTATION, TO L3HARRIS UPON REQUEST. VERIFICATION OF CONFORMANCE TO THE REQUIREMENTS WITHIN THE "IS" SHALL BE INCLUDED IN THE THIRD-PARTY INDEPENDENT ANALYSIS REPORT. |
| QA92           | CLASS I AND CLASS II CHANGES TO SUBASSY/MODULE LEVEL REQUIRE APPROVAL. FOR LH3ARRIS DESIGNS – ANY CHANGES TO DESIGN, DRAWINGS, AND/OR MATERIALS OF THE ITEMS ON THE PURCHASE ORDER MUST BE APPROVED IN WRITING BY THE BUYTER (DOES NOT APPLY TO COTS ITEMS).   |
| QP18           | THE PARTS SUPPLIED ON THIS PURCHASE ORDER MAY ONLY BE OBTAINED DIRECTLY FROM THE MANUFACTURER OR AN AUTHORIZED DISTRIBUTOR.  |