

1.0 INTRODUCTION

- 1.1 This document defines the scope of work that will be performed by THE SUPPLIER'S NAME (the "Supplier") and provided to Krypton Solutions, LLC ("Krypton"). It also details Krypton's requirements and shall be followed to complete the given project successfully and meet the provided timelines. It intends to document the working agreements between Krypton and Supplier's project teams on the responsibilities, communication pathways, tools, and processes for managing the Project relationship on a day-to-day basis.
- 1.2 Confidentiality is critical to the success of this Project. The Supplier must obtain approval from Krypton before engaging any third-party vendors or resources for the Project.
- 1.3 The Supplier must deliver the defined deliverables meeting all specified requirements and provide all necessary resources, support, and services to fulfill the Statement of Work.
- 1.4 The requirements in this Document, collectively with the Purchase Order, Subcontract or Contract, Memorandum of Understanding, Statement of Work, General Terms and Conditions, and any other documents incorporated therein, shall constitute the entire Agreement between Krypton and the Supplier.

2.0 SUPPLIER ORGANIZATIONAL AND/OR PROCESS CHANGES

- 2.1 Krypton shall be notified within fifteen (15) days of any changes in Supplier's management team, location, quality management system, process approvals, suppliers, and/or any other major change.

3.0 RETENTION OF DOCUMENTED INFORMATION

- 3.1 The Supplier shall retain all documentation for a minimum of ten (10) years after completion of the Purchase Order ("PO"). Krypton shall be notified, in writing, at the end of the retention time of any disposition requirements. Suppliers shall contact Krypton if Supplier is unable to comply with the stated requirements.

4.0 INTELLECTUAL PROPERTY (IP)

- 4.1 Any intellectual property (i.e., Digital data, drawings, specifications, etc.) provided by Krypton to Supplier shall only be used to fulfill the requirements of the PO and shall not be reproduced or shared by the Supplier.

5.0 KRYPTON PROPERTY

- 5.1 Supplier shall have the appropriate arrangements for the control of all property belonging to Krypton or its customers (collectively "Krypton Property") while in their possession or in transit. Controls include, but are not limited, to the identification, verification, protection, and safeguarding Krypton Property.

6.0 COMPETENCE

- 6.1 Supplier shall have resources and competency requirements for personnel performing work specified on the PO, including but not limited to, training, knowledge, certifications, periodic assessment, and evaluation to ensure continued adequacy and effectiveness.

7.0 AWARENESS

- 7.1 Supplier shall ensure their personnel is aware of: (i) relevant Quality Management System documentation and any applicable changes; (ii) their contribution to product or service conformity; (iii) their contribution to product safety; (iv) the importance of ethical behavior; and (v) the process for the prevention of counterfeit parts.

8.0 PREVENTION OF COUNTERFEIT PARTS

- 8.1 Counterfeit part prevention process shall include:
 - 8.1.1 Training for the detection and prevention of counterfeit parts.
 - 8.1.2 Controls for acquiring externally provided product, including but not limited to, monitoring parts obsolescence from original or authorized manufacturers, authorized distributors, or other approved sources.
 - 8.1.3 Verification requirements and test methodologies to assure traceability of parts and components from original or authorized manufacturers.
 - 8.1.4 Monitoring of counterfeit parts from external sources.
 - 8.1.5 Quarantine and reporting of suspect or detected counterfeit parts

9.0 NONCONFORMING PRODUCT

- 9.1 Supplier and/or its subcontractors shall have a root-cause and corrective action process implemented. Krypton shall be notified within twenty-four (24) hours of discovery of non-conforming product at any Supplier facility or detected after delivery. Supplier and/or its subcontractors do not have authority to disposition non-conforming materials.

10.0 PRODUCT ACCEPTANCE

- 10.1 Supplier shall perform inspection on all materials, products, and processes used in relation to the PO. Supplier shall obtain prior written consent from Krypton prior to the use of alternate inspection or sampling plan.

11.0 PROCESS VALIDATION AND RELEASE OF PRODUCT OR SERVICES

- 11.1 An First Article Inspection ("FAI") shall be performed in accordance with the requirements of AS9102. Supplier shall obtain prior written consent from Krypton prior to the use of an alternative FAI report.

12.0 VERIFICATION OF PRODUCTS OR SERVICES AT SUPPLIER'S FACILITIES

- 12.1 When required, Krypton shall have the right to verify the conformance of product or service to specified requirements.

13.0 RIGHT OF ENTRY

- 13.1 Krypton, its customers, and regulatory agencies have the right to access to Supplier's facilities, its subcontractors' facilities, and all documented information related to the PO. Krypton shall also retain the right to perform audits and product and process inspections.

14.0 SUPPLIER MONITORING

- 14.1 Supplier performance is measured for product conformity and on-time delivery. A Supplier Scorecard shall provide analysis of performance. Scorecards will be provided to major suppliers on a quarterly basis or as deemed necessary. Krypton Corrective Action process will be initiated with suppliers that have unacceptable performance.
- 14.2 On-site audits may be scheduled to assess the Suppliers Quality Management System and the incorporation of risk analysis into the Suppliers processes.

15.0 KRYPTON'S PURCHASE ORDERS

- 15.1 POs generated by Krypton will reference the requirements defined on the Request For Quote ("RFQ").
- 15.2 PO acceptance shall constitute an agreement to comply with and provide products and/or services per the requirements expressly listed on the PO.
- 15.3 Unless specified in the PO, products or services supplied to Krypton shall be performed to the latest revision of the specification(s).
- 15.4 Supplier shall notify Krypton, in writing, within fifteen (15) days of receipt of the PO, of their inability to comply with any of the requirements of the PO.
- 15.5 Any deviation from the requirements expressly stated in the PO shall require the Supplier to obtain an Amended PO from Krypton.

16.0 SUBCONTRACT OF PROCESSES OR SERVICES

- 16.1 Subcontracting a process or service related to the PO requires prior written consent from Krypton.
- Suppliers' subcontractors are required to be registered to a Quality Management System standard relevant to the scope of their business (Nadcap AC7004 or AS9100:2016).
- 16.1.1 Any deviations from this requirement will require approval from Krypton's Compliance Manager or authorized Executive.
- 16.1.2 Suppliers' subcontractors for special processes shall be Nadcap certified.
- 16.1.3 Special Processes:

- 16.1.4 Chemical Processing
- 16.1.5 Coatings o Heat Treating
- 16.1.6 Materials Testing Laboratories
- 16.1.7 Nonconventional Machining and Surface Enhancement
- 16.1.8 Nondestructive Testing
- 16.1.9 Welding
- 16.2 A technical review shall be scheduled upon acceptance of PO to address any concerns.
- 16.3 On time delivery dates must be specified and communicated to Krypton.
- 16.4 Expected yield shall be communicated. Any deviation from the expected yield shall require a written agreement between Krypton and Supplier.
 - 16.4.1 Lot yields shall be reported in the final Certificate of Conformance (“CoC”).
- 16.5 Suppliers’ subcontractors for calibration services shall ensure that their measuring equipment is calibrated or verified at specified intervals against measurement standards traceable to international or national measurement standards (NIST).
- 16.6 Suppliers shall only use subcontractors that are approved by Krypton for services related to the PO. All flow-downs including compliance requirements and key characteristics for Suppliers shall be listed on the Supplier’s Purchase Orders to the subcontractors.

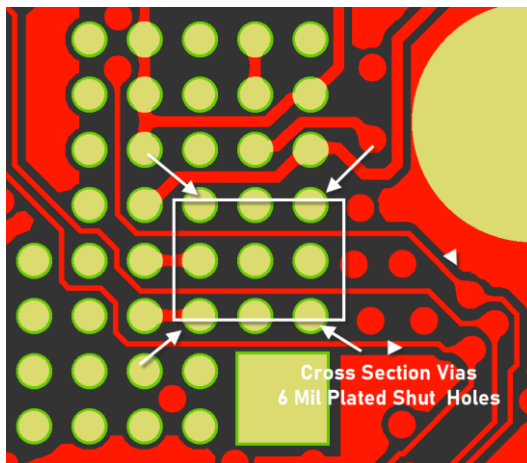
17.0 PRODUCT ACCEPTANCE FROM FABRICATION SHOPS

- 17.1 Supplier shall perform inspections on all materials, products, and processes used in relation to the PO.
 - 17.1.1 Supplier shall obtain prior written consent from Krypton before the use of a sampling plan.
 - 17.1.2 FAI shall be performed in accordance with the requirements of AS9102.
 - 17.1.3 Supplier shall obtain prior written consent from Krypton prior to the use of an alternative FAI report.
 - 17.1.4 Any nonconformance found during the FAI review will require 100% inspection of the lot.
 - 17.1.5 IPC 6011/6012/6012FS/6013 (Space Military Addendum)
 - 17.1.6 EAR / ITAR / Non-ITAR
 - 17.1.7 Special Packaging Individual Separation Papers – Vacuum Sealed - Desiccant

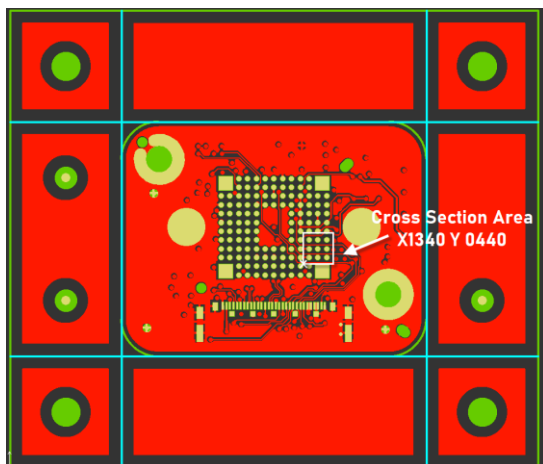
18.0 REPORTING REQUIREMENTS FROM FABRICATION SHOPS :

- 18.1 Supplier shall document and provide report for the following in relation to the PO.
 - 18.1.1 Quality Certification Report
 - 18.1.2 First Article Report / FAIR AS9102
 - a) Forms 1, 2 and 3
 - b) Ballooned Drawing
 - 18.1.3 D-Coupon Test Report
 - 18.1.4 BGA Inspection Report
 - 18.1.5 Certificate of Compliance
 - 18.1.6 Solderability Coupon Sample
 - 18.1.7 Solderability Report
 - 18.1.8 Electrical Test Report

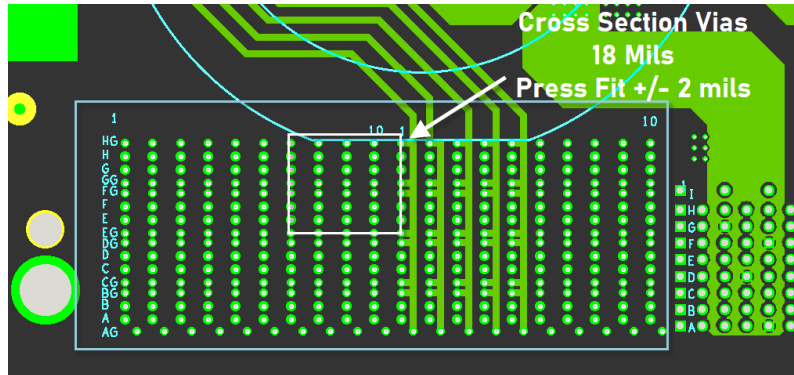
- 18.1.9 IST (Interconnect Stress Test) Coupons
- 18.1.10 UL Certification
- 18.1.11 Cleanliness /Ionic Contamination Report
- 18.1.12 Impedance Test Report
- 18.1.13 REACH Report
- 18.1.14 RoHS Certificate of Compliance
- 18.1.15 Customer Inspection Report (Checklist)
- 18.1.16 Serialization Log
- 18.1.17 Microsections Reports
- 18.1.18 Final Stack-up
- 18.1.19 Material Certificate of Compliance
- 18.1.20 Letter / Other Quality Documents
- 18.1.21 Additional Coupons – Locations – add board location Zoom:
 - a) Via Fill Cross Section Required



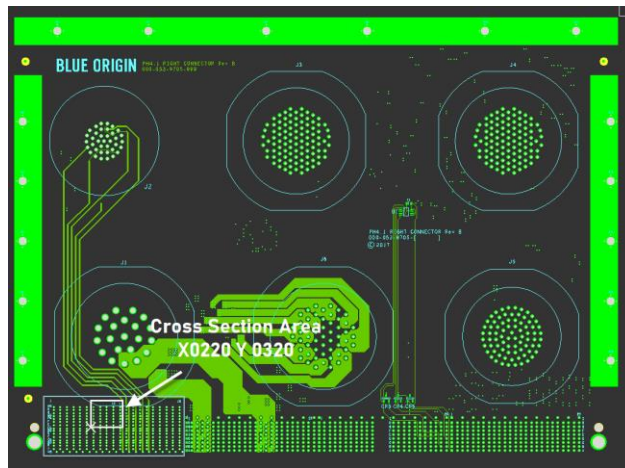
- b) Coupon Board Location



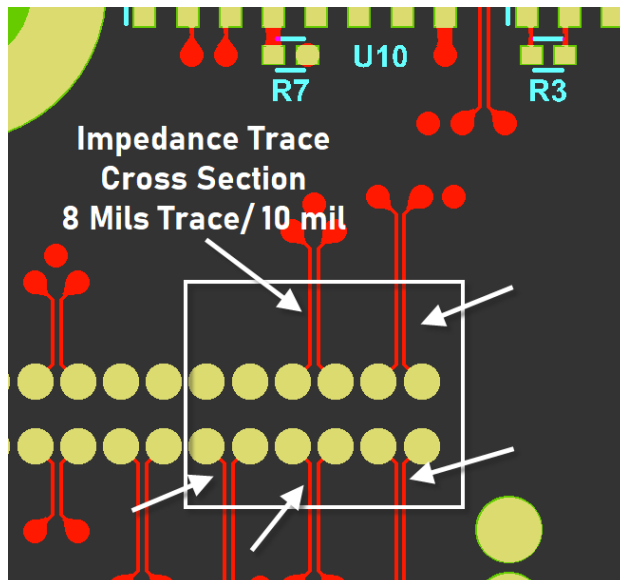
c) Press Fit Hole Cross Section Required



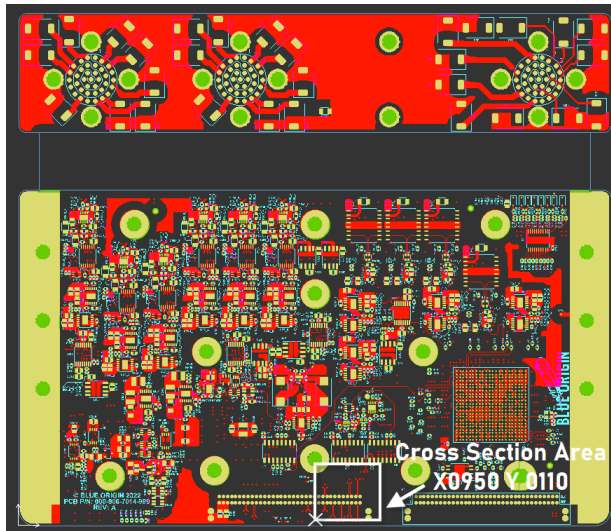
d) Coupon Board Location



e) Impedance Trace Cross Section Required



f) Coupon Board Location



- g) *Multiple locations – press fit, impedance, vias fill & plated shut*
- h) *Must have micrographs – target number (tolerance)*

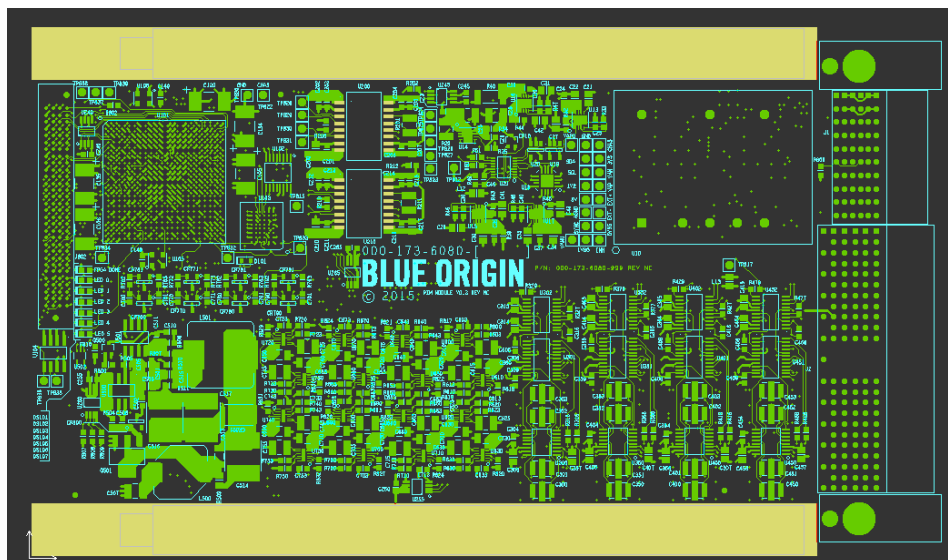
18.1.22 XRF Report – Location Measurement Pads

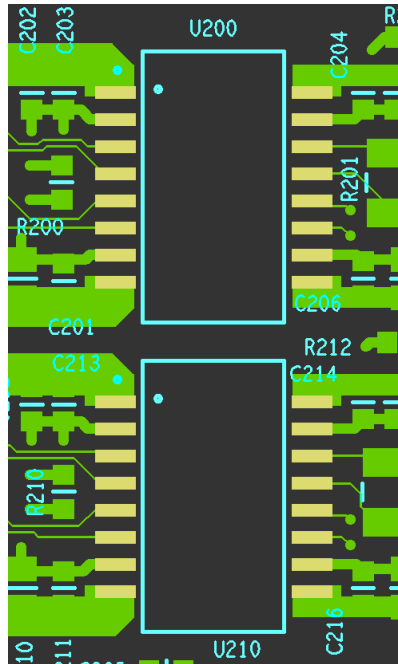
- a) Specific Locations based on XRF requirements – bigger pads, central pads, outer areas

18.1.23 Selective – Hard Gold Report – Location Measurement Pads

- a) **Highlighted Yellow Areas are Hard Gold per Fabrication Notes**

	EXCEPT VIAS .012 FINISH OR SMALLER.
11	FINISH: THIS BOARD SHALL BE IMMERSION GOLD PLATED ACCORDING TO IPC-4552. THICKNESS SHALL BE MINIMUM 0.05uM OVER 3-6uM NICKEL.
12	HARD GOLD FINISH OF 30 uINCHES OVER MINIMUM 150 uINCHES NICKEL REQUIRED IN INDICATED AREA
13	GOLDENROCK ROSE GOLD FINISH OVER LEAD FREE SOLDER (LDF) PWB



b) Hard Gold Highlighted per Fabrication Notes

18.1.24 Registration verification

18.1.25 Critical trace width and spacing verification/ Impedance verification

18.1.26 Board thickness & tolerances

18.1.27 Drill verification tolerances, tool table & legend

- a) Plated, Non-plated
- b) Blind and buried
- c) Counterbore / Countersink
- d) Special additional Notes that are not contained on the Fabrication Notes/Drawing - Such as Customer Provided TOCs, SOWs.

19.0 FABRICATION SHOPS PHYSICAL REQUIREMENTS

19.1 Microsections Coupons

19.2 Solder Sample Board

19.3 D-Coupons

19.4 DPA (Destructive Physical Analysis) Coupons

19.5 Coupon Originating PCB

20.0 PRODUCT ACCEPTANCE FROM MECHANICAL SHOPS

20.1 Supplier shall perform inspections on all materials, products, and processes used in relation to the PO.

20.1.1 Supplier shall obtain prior written consent from Krypton before the use of a sampling plan.

20.1.2 FAI (shall be performed in accordance with the requirements of AS9102.

20.1.3 Supplier shall obtain prior written consent from Krypton prior to the use of an alternative FAI report.

20.1.4 Any nonconformance found during the FAI review will require 100% inspection of the lot.

- 20.1.5 Acceptance criteria for prime and paint shall be per the applicable industry standard referenced on the drawing (i.e. MIL-PRF-85285)

21.0 REPORTING REQUIREMENTS FOR MECHANICAL PARTS

- 21.1 Material certifications for metals and hardware
- 21.1.1 RoHS compliance must be referenced on material certifications
 - 21.1.2 REACH compliance must be referenced on material certifications
- 21.2 Detailed CoC
- 21.2.1 Serial numbers must be referenced on CoC
 - 21.2.2 RoHS compliance must be referenced on material certifications
 - 21.2.3 REACH compliance must be referenced on material certifications
- 21.3 Processing Certifications (Alodine, primer, topcoat, etc.)
- 21.3.1 Processing specifications and its latest revision shall be referenced in Suppliers CoC.
- 21.4 FAI Report / FAIR AS9102
- a) Forms 1, 2 and 3
 - b) Ballooned drawing

22.0 IDENTIFICATION AND TRACEABILITY FOR MECHANICAL PARTS

- 22.1 Parts serialization shall consist of the first two letters on supplier's organization name followed by five digit serial number.
- Example: (Krypton's serial number)
- KR-00001
- 22.2 All parts shall be identified as per the drawing requirements including cage code, part number, revision, and serial number as shown in 22.1
- 22.3 The supplier shall contact Krypton with any questions or concerns about the marking requirements.

23.0 DOCUMENT CHANGE HISTORY

Revision	Date	Description	Responsible for Change
1.0	10/03/2022	Initial Release	Dulce Sanchez
1.1	02/04/2025	Complete revision, changed document name	Dulce Sanchez