

ASSEMBLY DRAWING NOTES:

1. THE PCB ASSEMBLY SHALL BE COMPLIANT WITH THE ROHS2 DIRECTIVE 2011/65/EU. THIS SHALL INCLUDE, AT A MINIMUM, ALL THE CONSTITUENT MATERIALS AND ANY OTHER ADDITIVES THAT MAY BE INCLUDED OR TRANSFERRED INTO THE FINAL PRODUCT DURING THE MANUFACTURING PROCESS. THE SUPPLIER OF THIS PCB ASSEMBLY SHALL BE ABLE TO PROVIDE DOCUMENTATION UPON REQUEST DEMONSTRATING COMPLIANCE TO THE DIRECTIVE.

2. ASSEMBLY SHALL BE ACCEPTABLE AND REJECTABLE AND INSPECTED TO IPC-A-610, CLASS 2.

3. REWORK, REPAIR, OR MODIFICATIONS MUST COMPLY WITH IPC-7711 AND IPC-7721 CLASS 2.

4. EXCEPTIONS TO NOTE 3: LIFTED LAND REPAIR, LAND REPAIR, LIFTED CONDUCTORS, AND PAD REPAIR IS NOT ACCEPTABLE.

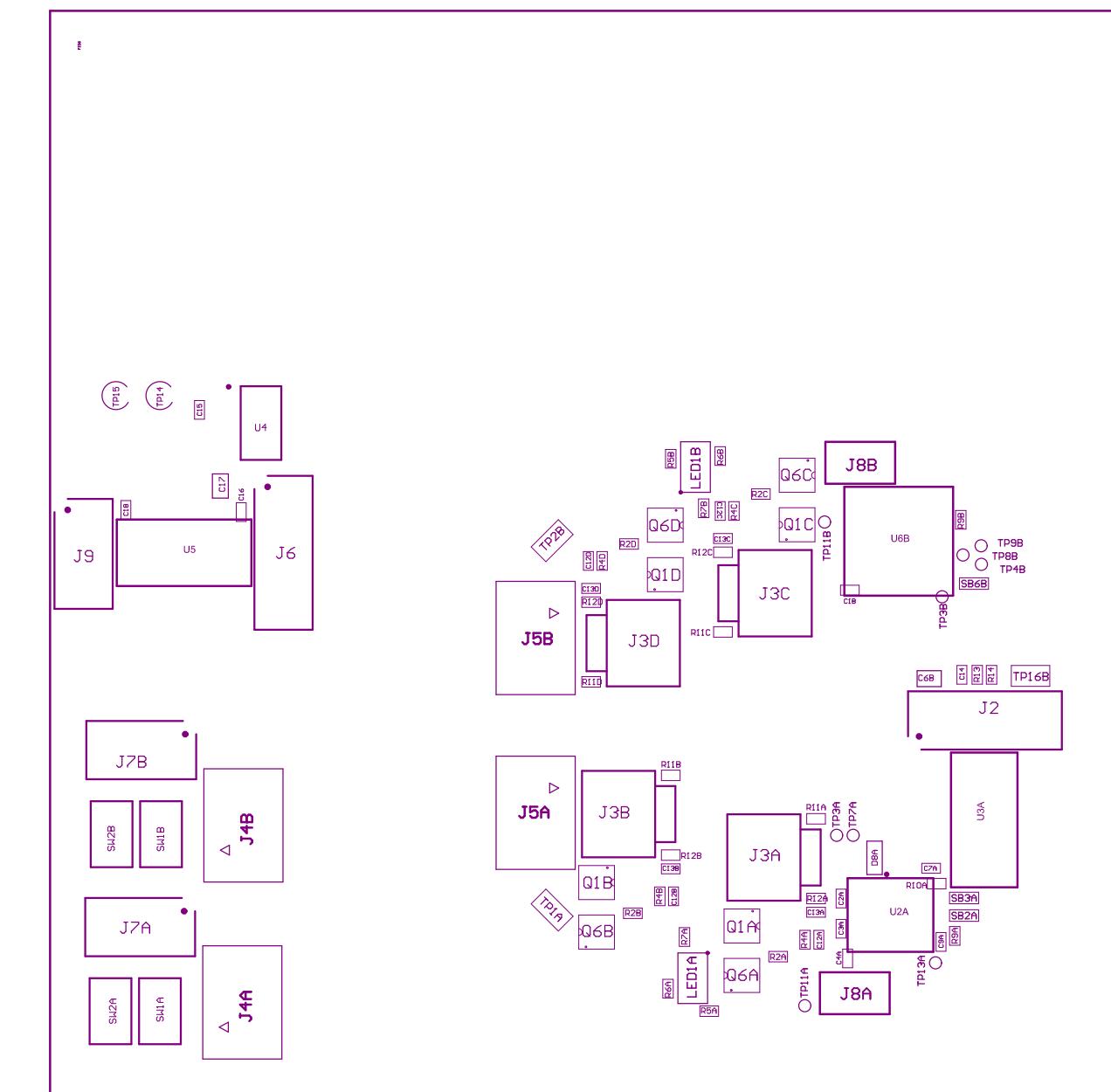
5. EACH LOT SHALL HAVE A CERTIFICATE OF COMPLIANCE TO CERTIFY THAT MATERIALS SPECIFIED ON THE BILL OF MATERIALS HAVE BEEN USED AND THAT THE ASSEMBLY HAS BEEN ASSEMBLED IN COMPLIANCE WITH THE AGREED QUALITY PLAN.

6. THE ASSEMBLY SHALL BE LEGIBLY IDENTIFIED USING NON-CONDUCTIVE EPOXY INK OR A NON-CONDUCTIVE PERMANENT LABEL LOCATED IN THE AREA(S) INDICATED. THE IDENTIFIERS SHALL CONSIST OF THE MBI NUMBER (INCLUDING REVISION) AND THE BOARD'S SERIAL NUMBER (TO BE GENERATED BY THE ASSEMBLER). IF THIS ASSEMBLY DRAWING SHOWS THE LOCATION IS OFF THE BOARD, THE LABEL SHOULD BE PLACED ON A TAG THAT IS ATTACHED TO THE BOARD.

7. COMPONENTS WITH PIN ONE DESIGNATOR OR POLARIZATION MARKINGS SHALL BE PLACED AS INDICATED ON THE ASSEMBLY DRAWING.

8. APPROPRIATE ESD PRECAUTIONS SHALL BE USED WHILE BUILDING OR HANDLING THIS ASSEMBLY.

9. COMPONENT LEADS IN PLATED-THROUGH HOLES SHALL BE TRIMMED TO EXTEND NO GREATER THAN 1.8 MM FROM THE PLATING SURFACE.



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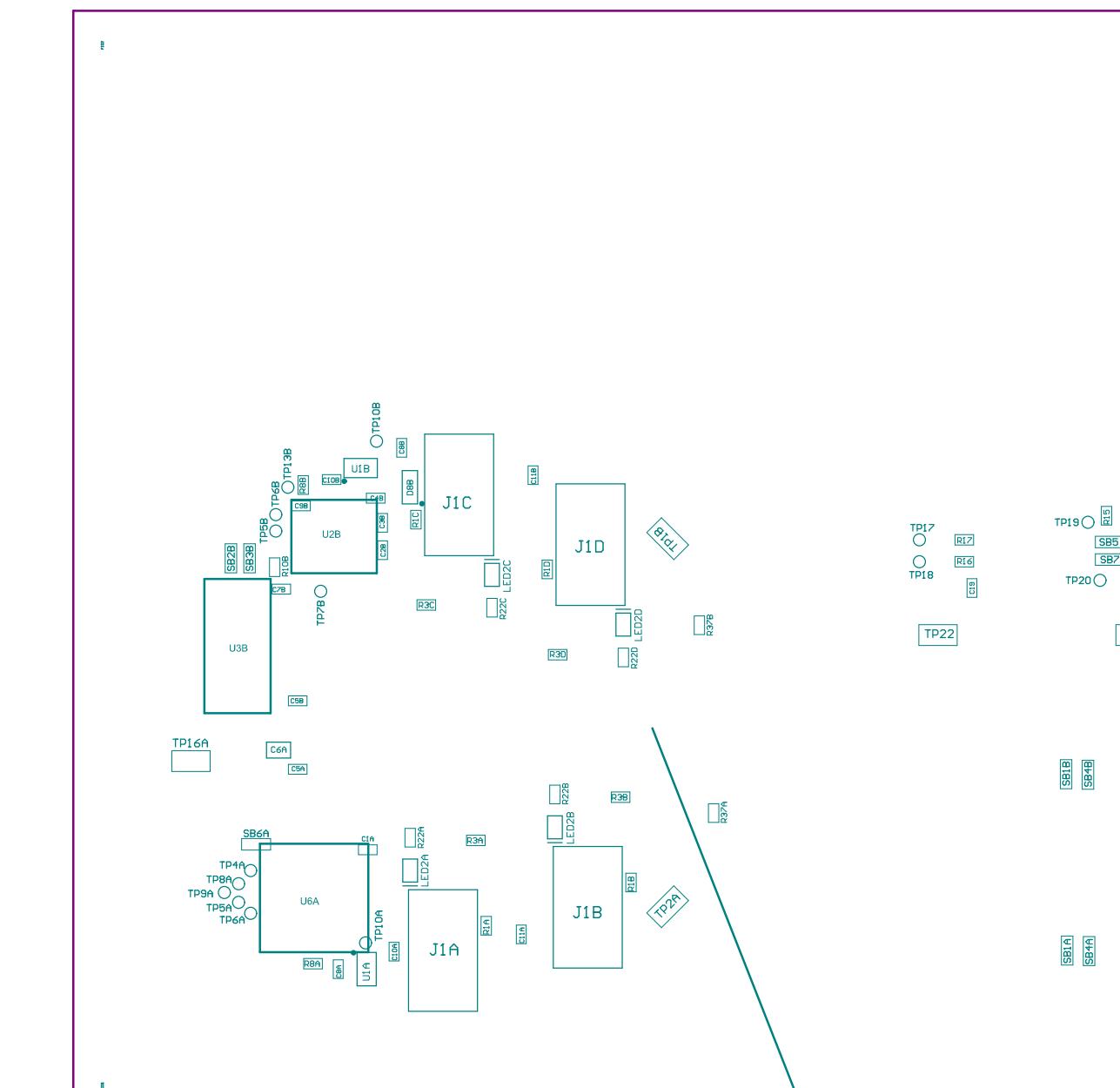
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Place Serial Number QR code label where indicated.
QR code format = xxxxxx-yyyyyy
Where xxxxxx is the works order number, and yyyy is an incrementing item number starting from 1.
Text below QR code should show the QR code data, along with the Master Build Instruction number and revision.



Project Sunridge
The Diamond
32 Leavygrave Rd
Broomhall, Sheffield
United Kingdom
S3 7RD

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UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN mm AND APPLY TO FINISHED PART
TOLERANCES ON:
1 PLACE DEC. +/- 0.15 | 2 PLACE DEC. +/- 0.05 | ANGLES +/- 0.5 DEG.

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Altium Designer 25.8

Size A2

Drawing No: KDA Rev A1

Changed by: Nick Angelov

Change Date: 7 Nov 2025

Title: Karman Delta V.E.C.T.O.R. Board

Bottom Assembly

Sheet 2 of 2

Variant: Standard