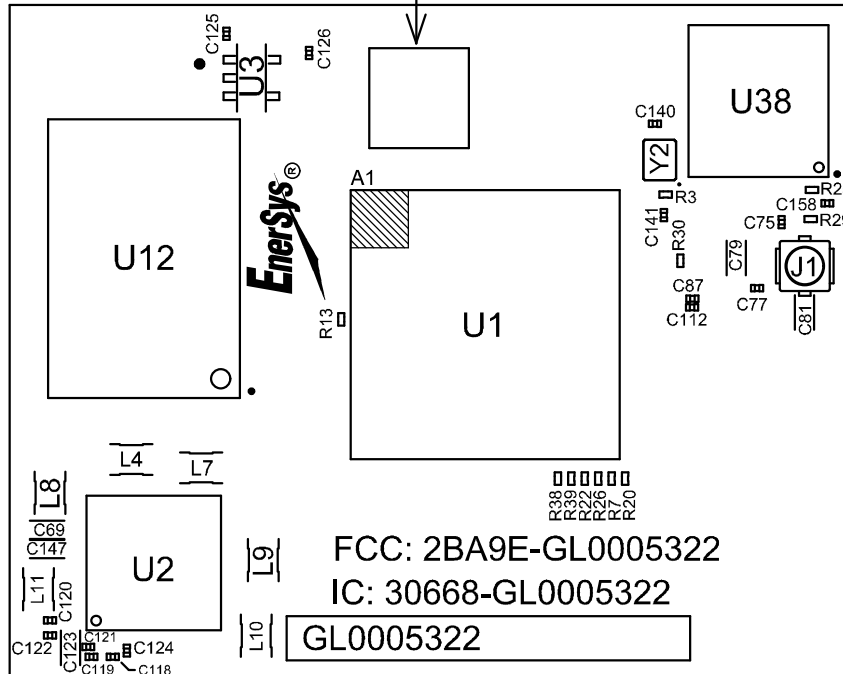


| REVISIONS |                                                                                                       |     |            |     |
|-----------|-------------------------------------------------------------------------------------------------------|-----|------------|-----|
| LTR       | DESCRIPTION                                                                                           | DRW | DATE       | CHK |
| 1         | First Release                                                                                         | RD  | 2022-01-18 | FVH |
| 2         | Y2 footprint updated, Routing improvements, GND pins added to U12, Layer numbers added to board edge. | RD  | 2022-03-14 | FVH |
| 3         | Layout adjusted to improve manufacturability                                                          | RD  | 2022-08-24 | FVH |
| 4         | ORIENTATION FOR U1, U8, J2 & J4, ADD LABELS.                                                          | JLM | 2023-02-17 | FVH |
| 5         | FCC AND INDUSTRY CANADA ID'S ADDED                                                                    | RD  | 2023-08-21 | FVH |

PLACE LABEL WITH QR CODE HERE  
QR CODE MUST CONTAIN ALPHA PART NUMBER, REVISION,  
SERIAL NUMBER, DATE/TIME AND BATCH NUMBER.



#### NOTE:

1. FABRICATE IN ACCORDANCE WITH THE LATEST REVISION OF IPC-A-610 CLASS 2.
2. ENSURE ALL PLUG-IN BOARDS ARE JIGGED FOR VERTICAL ALIGNMENT DURING WAVE SOLDER (90deg +/-2deg).
3. FOR REFERENCE PURPOSES, ALL COMPONENTS ARE SHOWN ON THE ASSEMBLY DRAWING (INCLUDING NOT STUFFED).  
ALWAYS POPULATE COMPONENTS BASED ON THE BILL OF MATERIALS (IT IS THE BUILD MASTER).
4. FOR LABEL MARKINGS, LABEL CAN BE SIZED TO SUIT THE MANUFACTURING CAPABILITIES IF NEEDED. (THEY MUST NOT COVER TESTPOINTS).  
E-Lin 4004 008 05411  
RECOMMENDED MATERIAL: Brady THT-37-423-10
5. TRIM LEADS TO 1.7mm (IF APPLICABLE).

|                          |     |            |                                                                                       |                                         |
|--------------------------|-----|------------|---------------------------------------------------------------------------------------|-----------------------------------------|
| APPROVALS                |     | DATE       |  |                                         |
| DRAWN                    | RD  | 2022-01-18 |                                                                                       |                                         |
| CHECKED                  | FVH | 2022-01-18 | TITLE: PCBA, Common SOM                                                               |                                         |
|                          |     |            | SIZE<br>B                                                                             | DWG NO.<br>GL0005322 - Assy<br>REV<br>5 |
| © ALPHA TECHNOLOGIES LTD |     |            | SCALE: NTS                                                                            | SHEET 1 OF 2                            |

