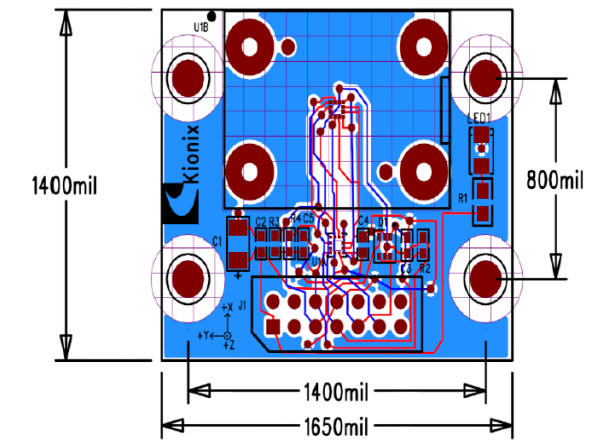


# Tri-Axis, User Selectable $\pm 2g$ , $4g$ , $8g$ , Digital ( $I^2C$ ) Output Evaluation Board

Part Number: EVAL-KXTJ2-1009

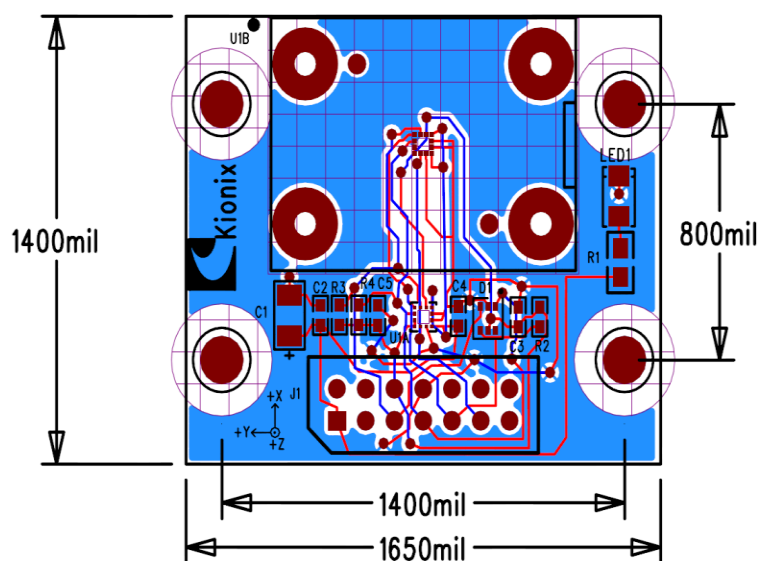


- Description: KXTJ2-1009 Evaluation Board
- Range:  $2g$ ,  $4g$ ,  $8g$ , User-selectable
- Sensitivity: 1024 (14-bit), 64, 32, 16 (8-bit), 1024, 512, 256 (12-bit), (counts/g)
- Temperature ( $^{\circ}C$ ):  $-40$  to  $+85$

**PLEASE SEE THE FOLLOWING PAGES FOR THE BOARD LAYOUT AND SCHEMATIC**

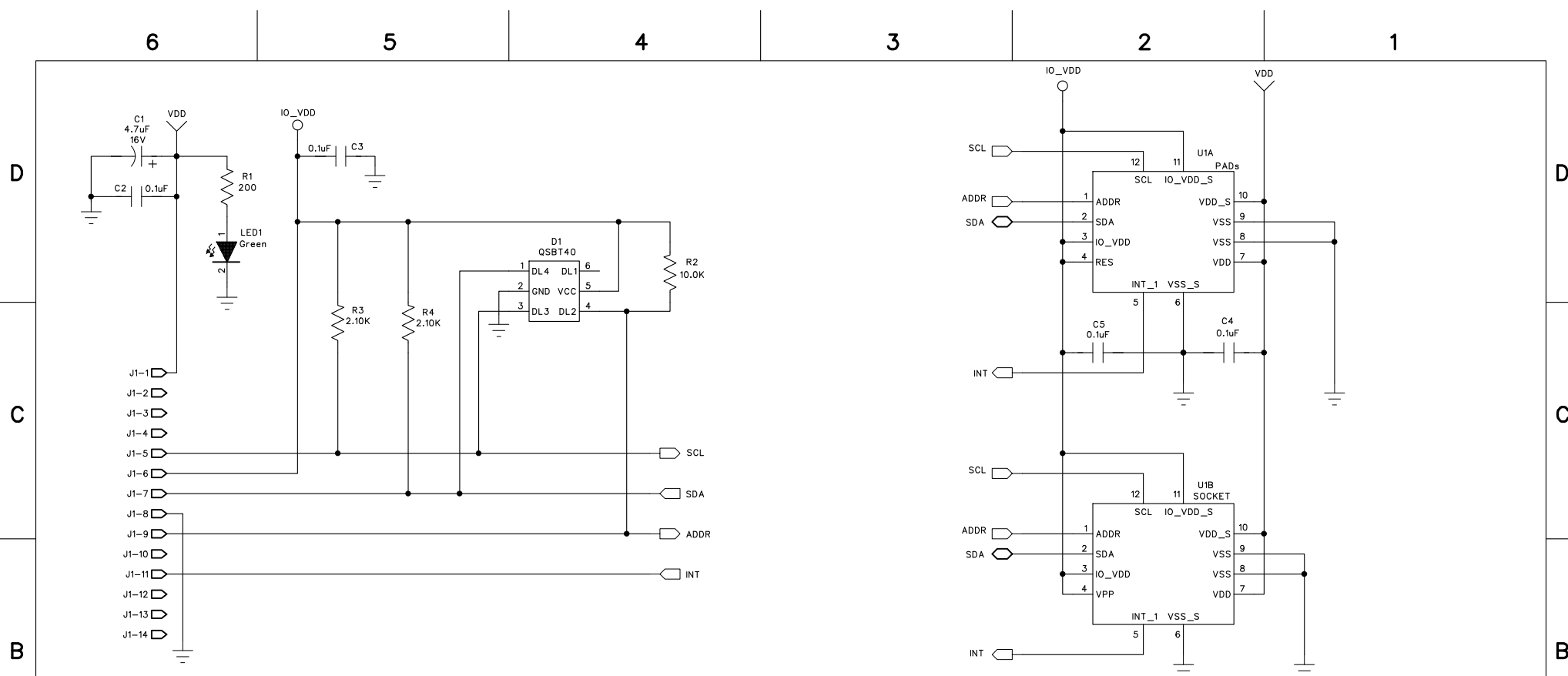


# KXTJ2 Evaluation Board R54 Layout and Pin Description



Outer Dimensions: 3.6cm x 4.2cm

| J1 Connector Pin Description |        |
|------------------------------|--------|
| pin 1                        | VDD    |
| pin 2                        | DNC    |
| pin 3                        | DNC    |
| pin 4                        | DNC    |
| pin 5                        | SCL    |
| pin 6                        | IO_VDD |
| pin 7                        | SDA    |
| pin 8                        | GND    |
| pin 9                        | ADDR   |
| pin 10                       | DNC    |
| pin 11                       | INT    |
| pin 12                       | DNC    |
| pin 13                       | DNC    |
| pin 14                       | DNC    |



## NOTES:

- 1) All resistors are 1%, 1/10W, 0603 unless otherwise specified.
- 2) All capacitors are 0.1uF, 10%, 50WVDC, 0603 unless otherwise specified.
- 3) U1B Socket: Loranger, SOCKET\_020SQ012J6618A
- 4) Supported devices: KXTJ2

|                  |        |                                     |               |                     |
|------------------|--------|-------------------------------------|---------------|---------------------|
| COMPANY:         |        | <b>Kionix Inc.</b>                  |               |                     |
| TITLE:           |        | <b>KXTJ2 Evaluation Board Rev 1</b> |               |                     |
| CHECKED:         | DATED: | CODE:                               | SIZE:         | DRAWING NO:         |
| QUALITY CONTROL: | DATED: | <b>DWG791</b>                       | <b>B</b>      | <b>KAMMDM001R54</b> |
| RELEASED:        | DATED: | SCALE: NONE                         | SHEET: 1 OF 2 |                     |
| DRAWN: Bob Ross  |        | DATED: 03/27/12                     |               | REV: 0              |

[illegible]