

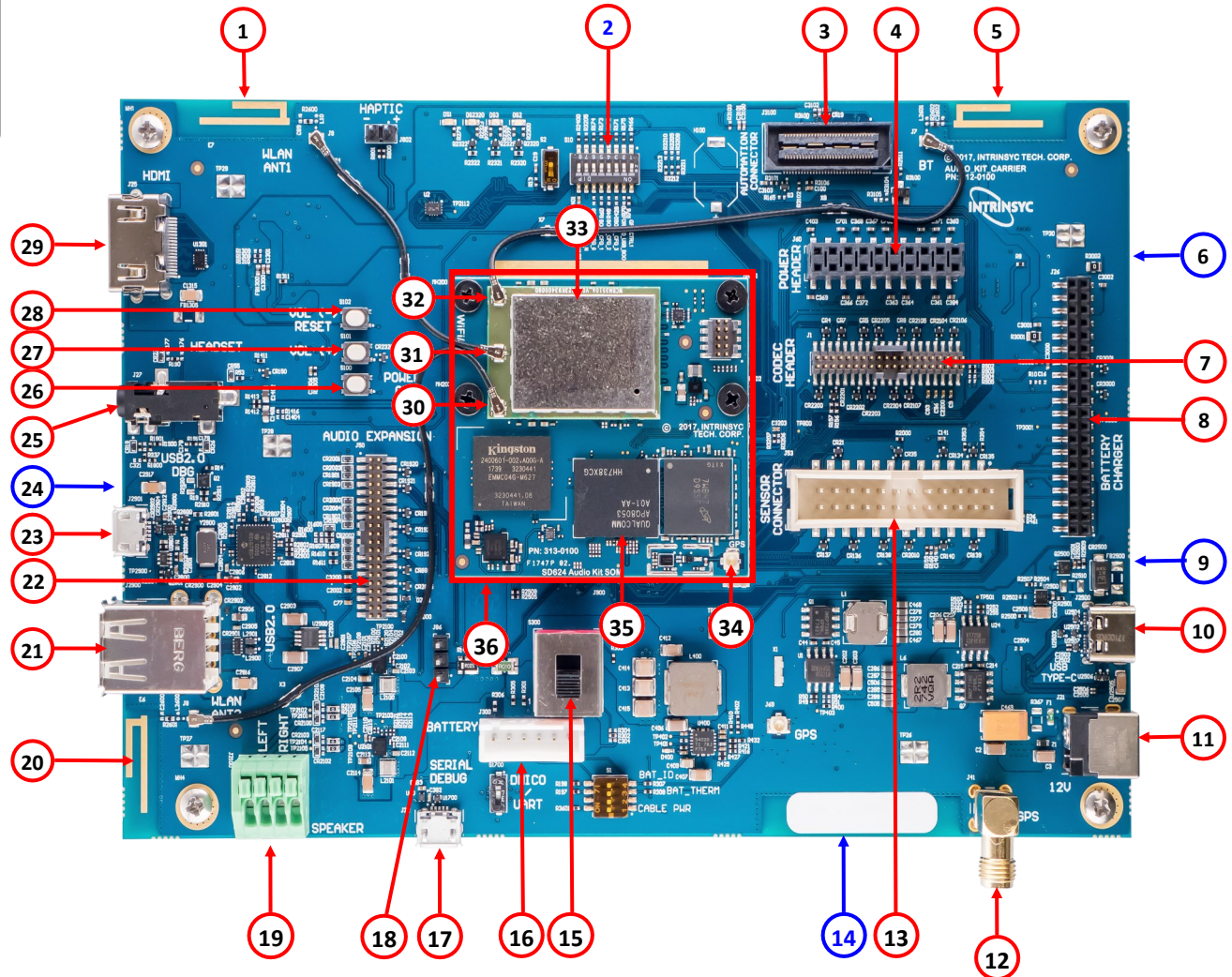
# Open-Q™ 624A Development Kit Quick Start Guide

## Package Contents

1. Open-Q™ 624A SOM with Qualcomm® APQ8053-Lite SoC
2. Open-Q™ 624A Carrier Board
3. AC Power Adapter
4. HDMI video cable
5. LCD/Touchscreen (Optional Accessory)
6. Camera Adaptor Board (Optional Accessory)

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|------------------------------------|--|
| 1. WLAN Antenna 1 (PCB Trace)      | 23. Micro-USB port (not supported)     |
| 2. Configuration DIP switches      | 24. MIPI-DSI LCD/Display Connector*    |
| 3. Automation Header               | 25. Headset Connector                  |
| 4. Power header                    | 26. Power Button                       |
| 5. BT Antenna (PCB trace)          | 27. Volume + button                    |
| 6. MIPI-CSI Camera 0 Connector*    | 28. Volume - button                    |
| 7. Digital Audio Codec header      | 29. HDMI Connector                     |
| 8. Battery Charging header         | 30. Wi-Fi U.FL Antenna 0 Connector     |
| 9. MIPI-CSI Camera 1 Connector*    | 31. Wi-Fi U.FL Antenna 1 Connector     |
| 10. USB Type-C Connector           | 32. BT U.FL Antenna Connector          |
| 11. 12V DC Power jack              | 33. WLAN/BT Module                     |
| 12. GPS External Antenna Connector | 34. GPS U.FL Antenna Connector         |
| 13. Sensor header                  | 35. APQ8053-Lite                       |
| 14. GPS PCB Antenna*               | 36. Open-Q 624A System on Module (SOM) |
| 15. Power Source Switch (Batt/DC)  |  |
| 16. Battery connector              |  |
| 17. USB Debug UART Micro B         |  |
| 18. Power Probe header             |  |
| 19. Speaker Connector              |  |
| 20. WLAN Antenna 2 (PCB Trace)     |  |
| 21. USB Type-A (Not supported)     |  |
| 22. Audio Expansion Header         |  |

\* ON BOTTOM SIDE



Specifications are subject to change - 895-0024-00 Rev A

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### Development Kit Setup

**1. At a static-safe workstation, remove the development kit board carefully from the anti static bag**

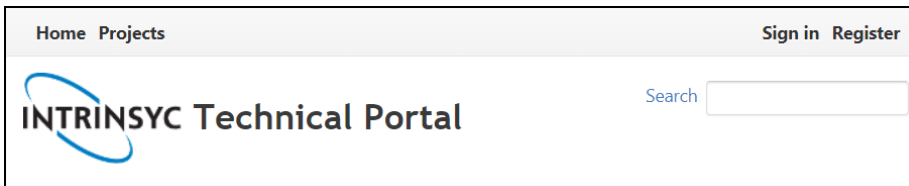
**2. Connect an HDMI monitor to the HDMI output connector (29) with the HDMI cable (unless using the optional LCD/touchscreen)**

**2. Connect the Power Adapter to the 12V DC Jack (11) and then press and hold the ON/OFF button (26) until you see the Intrinsyc logo appear on the display (~3 seconds)**

### **3. Documentation and software**

To access the documentation (schematics, user guides, datasheets, programming guides, tech notes...), platform BSP software and much more, please register at:

<http://tech.intrinsyc.com>



### Development Kit Support

Should you require more information or assistance, you can contact us at:

<https://helpdesk.intrinsyc.com>

Intrinsyc also provides technical information and videos on Qualcomm processors at:

<https://www.intrinsyc.com/resources>

Should you require additional technical support for your Development Kit you can easily purchase a technical support package from the Intrinsyc store:

<http://shop.intrinsyc.com/collections/technical-support-packages>

Thank you for purchasing the Open-Q 624A Development Kit