

HDK8450 Development Kit Quick Start Guide

80-28453-1 Rev. C

Lantronix Document ID: PMD-0134 REV A

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Revision History

Revision	Date	Description
A	September 2021	Initial release.
B	September 2021	Optimize mainboard top/bottom item list sequence.
C	October 2021	Slide 5: updated the figure of main board top. Slide 9: updated the figure of Development Kit Accessories. Slide 10: updated the figure of Emergency Download.

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Main Board Top

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Expansion Card Top

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Development Kit Accessories

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Questions?

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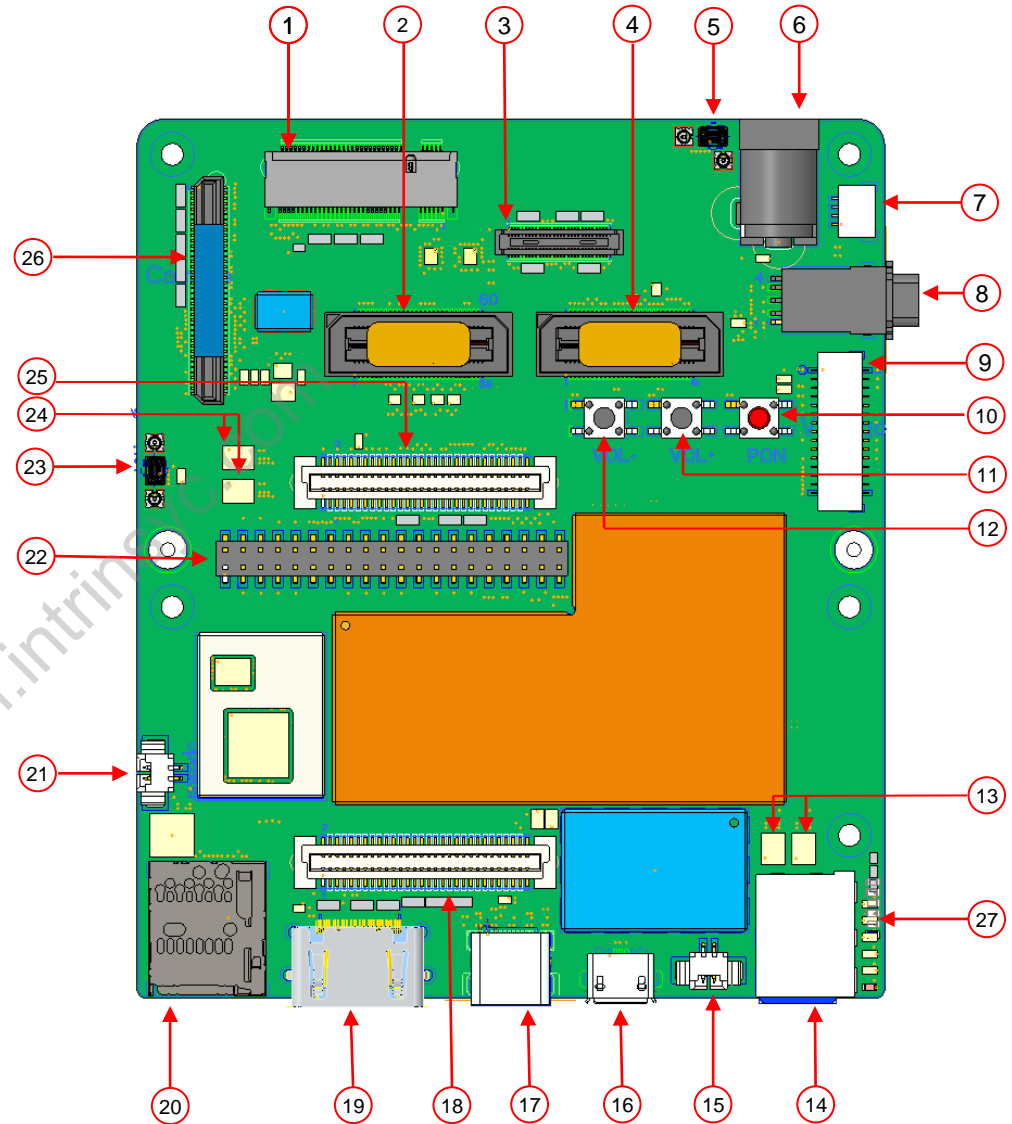
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Main Board Top

Package Contents

1. Main Board with APQ8450 processor
2. 12V DC power adaptor
3. USB cable
4. Display Card (optional)
5. Camera Card (optional)
6. Sensor Card (optional)
7. Speaker x 2 (optional)
8. Battery (optional)

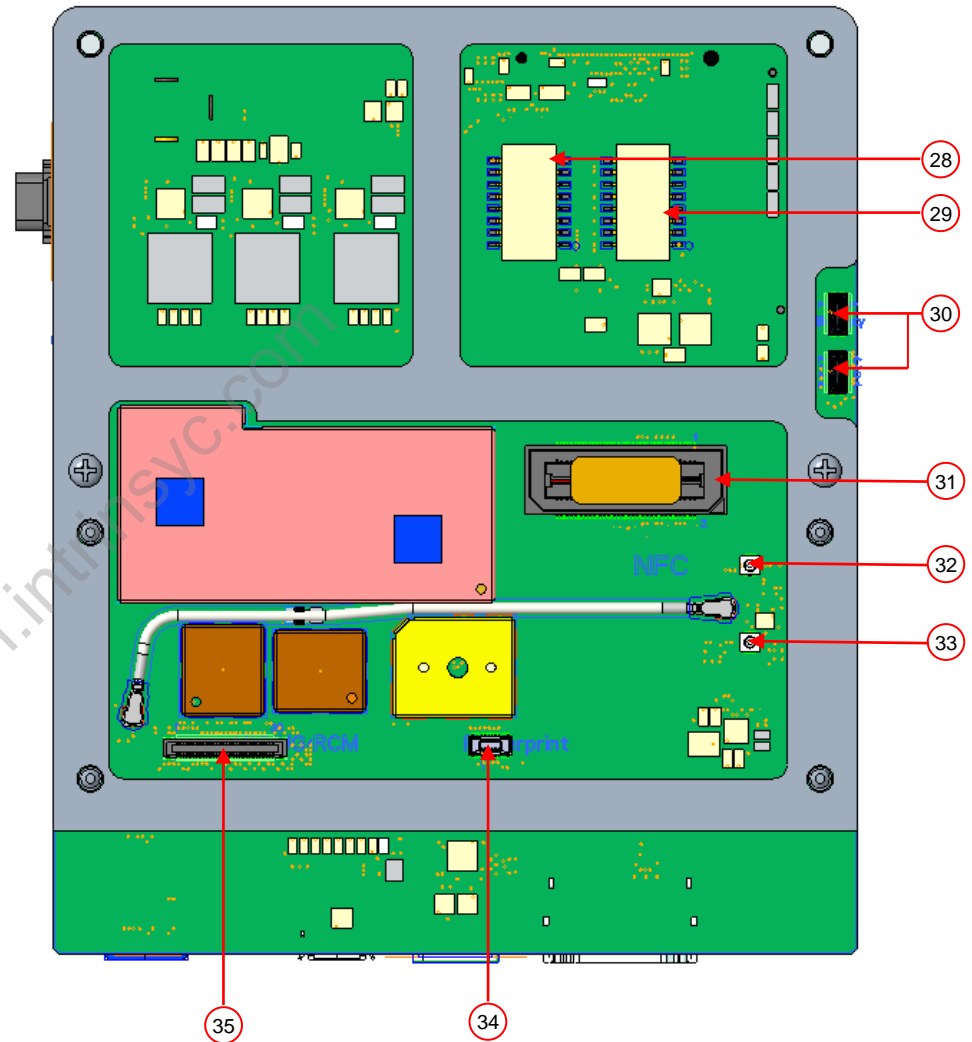
- | | |
|---------------------------|----------------------------|
| 1. M.2 Connector | 18. High Speed Expansion-1 |
| 2. Sensor Port2 | 19. HDMI Connector |
| 3. Camera Card Connector1 | 20. SD Socket |
| 4. Sensor Port1 | 21. Speaker Connector |
| 5. Beamer2 Connector | 22. Low Speed Expansion |
| 6. 12V DC Jack | 23. Beamer1 Connector |
| 7. M.2 USB | 24. MIC1/5 |
| 8. 3.5mm Headset Jack | 25. High Speed Expansion-2 |
| 9. Vertigo | 26. Camera Card Connector2 |
| 10. Power Key | 27. User LEDs |
| 11. Volume+ key | |
| 12. Volume- key | |
| 13. MIC3/4 | |
| 14. SIM CARD | |
| 15. Receiver Connector | |
| 16. UART debug Port | |
| 17. USB Type-C | |



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Main Board Bottom

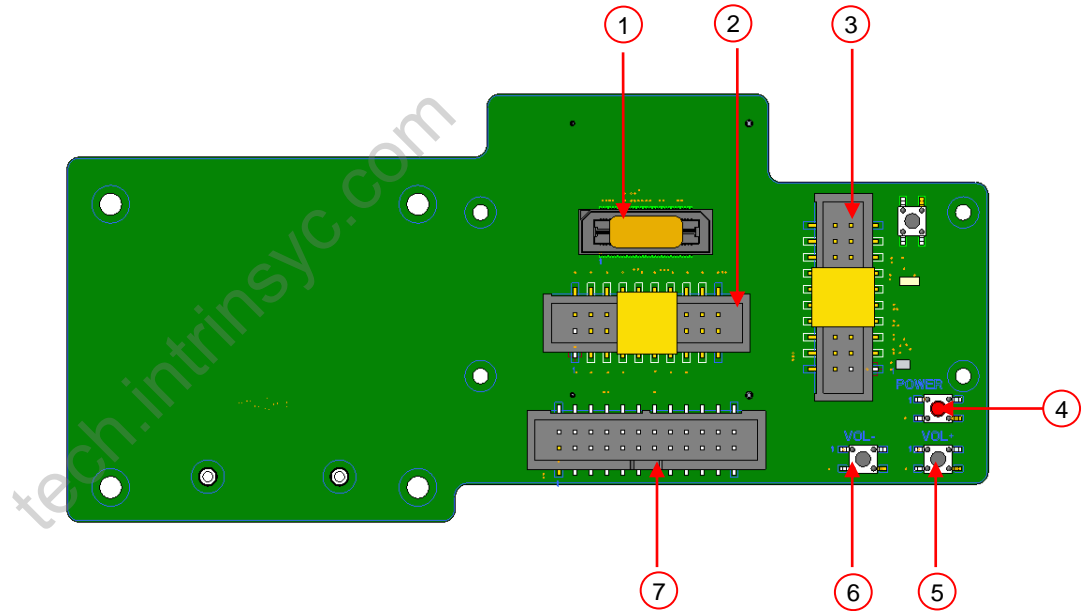
- 28. General Switch(S5702)
- 29. Boot Config Switch(S5701)
- 30. Battery Connector
- 31. NFC Connector
- 32. Wi-Fi CH0 Antenna
- 33. Wi-Fi CH1/GNSS Antenna
- 34. Fingerprint Connector
- 35. Debug/RCM Connector



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Expansion Card Top

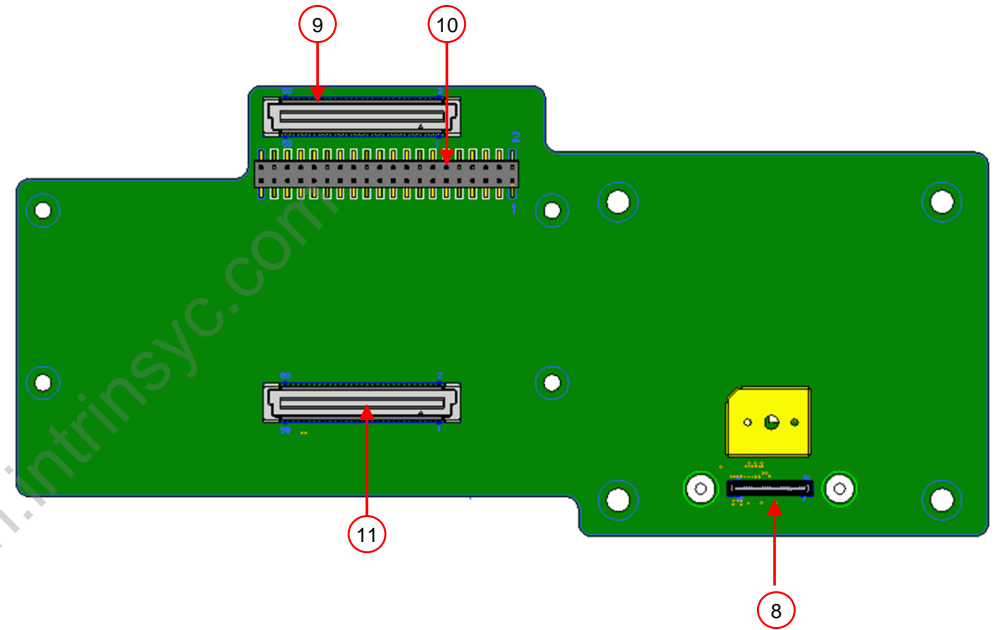
1. Sensor Port3
2. Audio Connector
3. JTAG Connector
4. Power On
5. Volume +
6. Volume -
7. Sensor Port4 (legacy)



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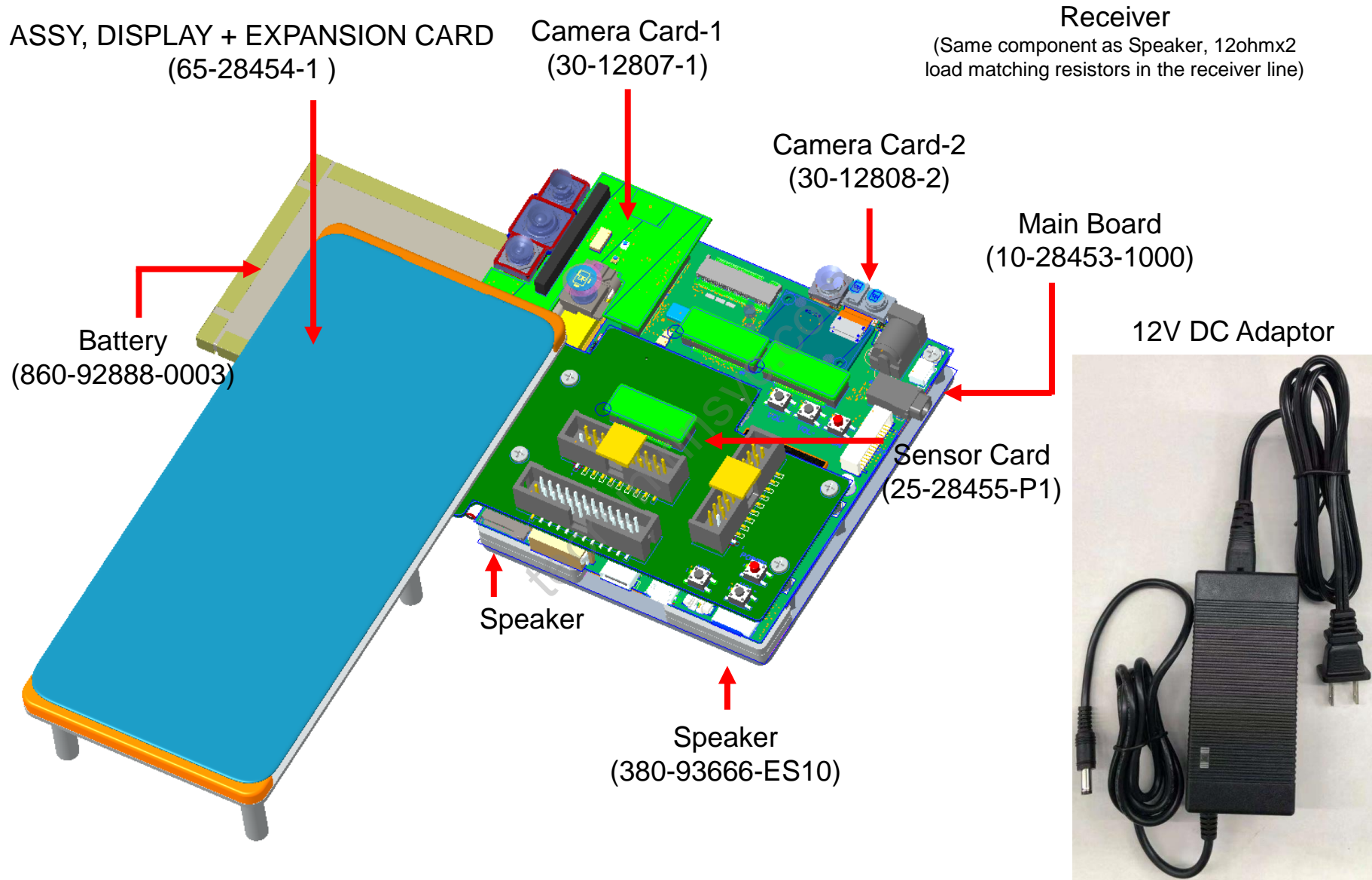
Expansion Card Bottom

- 8. Display FPC Connector
- 9. High Speed Expansion-2 (DSI1)
- 10. Low Speed Expansion
- 11. High Speed Expansion (DSI0, CSI4/5)



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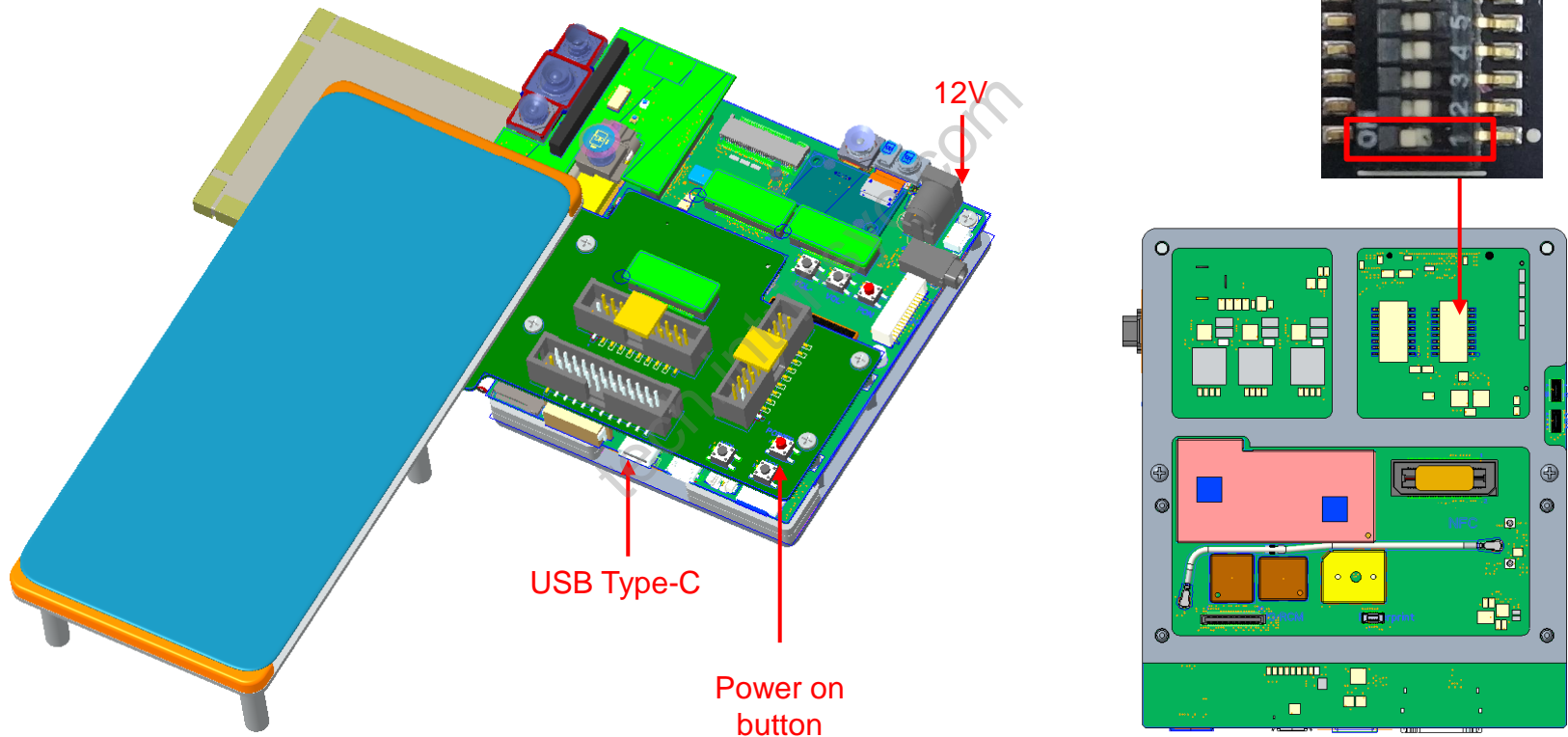
Development Kit Accessories



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Emergency Download

1. Insert the USB Type-C cable.
2. Make sure switch 1 (Force_usb_boot) is turned **ON** before power on the device.



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Questions?

For additional information or to submit technical questions, go to:
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