

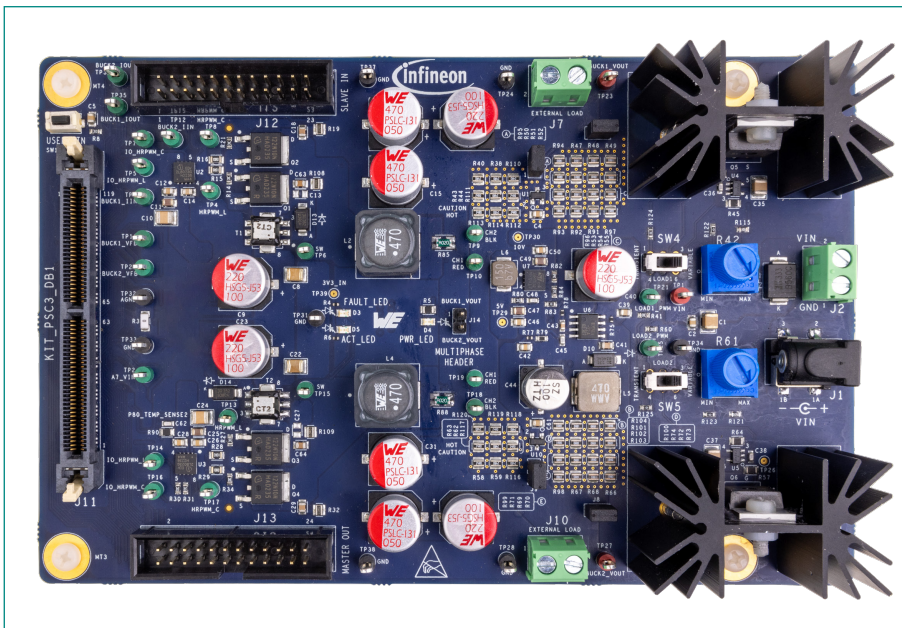
QUICK START GUIDE

PSOC™ Control C3 Standalone Dual Buck Board

KIT_PSC3_DB1

Kit contents

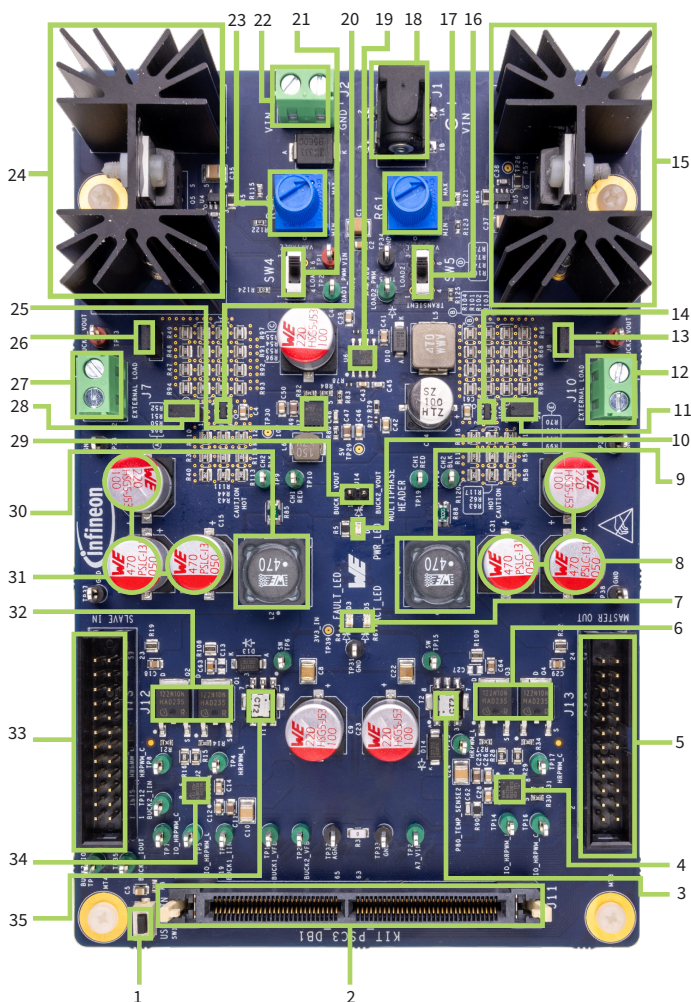
1. Dual buck evaluation board
2. 24 V DC power adaptor
3. Quick start guide (this document)



www.infineon.com/KIT_PSC3_DB1

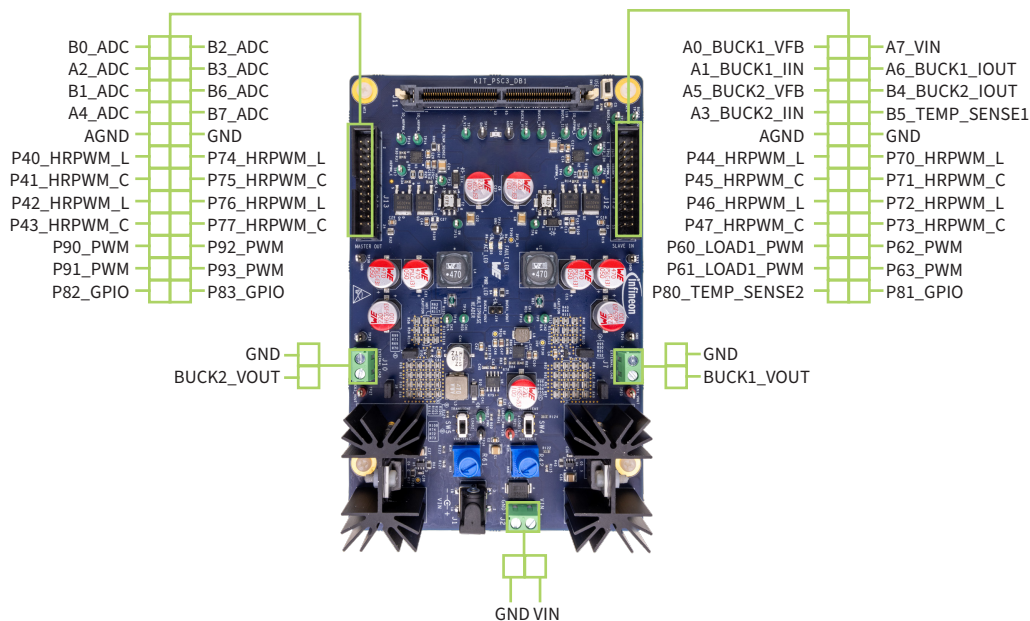


Dual Buck Evaluation Board details



- 1 User button (SW1)
- 2 120-pin connector (J11)
- 3 BUCK2 current transformer (T2)
- 4 BUCK2 MOSFET driver (U3)
- 5 MASTER OUT Daisy Chain connector (J13)
- 6 BUCK2 Synchronous MOSFETs (Q3, Q4)
- 7 Fault and ACT LEDs (D3, D5)
- 8 BUCK2 output capacitors (C31, C32, C33)
- 9 BUCK2 inductor (L4)
- 10 Power LED (D4)
- 11 BUCK2 static load header (J9)
- 12 BUCK2 output connector (J10)
- 13 BUCK2 dynamic load header (J8)
- 14 BUCK2 temperature sensor (U10)
- 15 BUCK2 Load MOSFET and heatsink (Q6, HS2)
- 16 BUCK2 transient and variable load switch (SW5)
- 17 BUCK2 variable load potentiometer (R61)
- 18 DC Input Voltage Barrell Jack connector (J1)
- 19 5 V buck regulator (U6)
- 20 BUCK1 temperature sensor (U1)
- 21 BUCK1 transient and variable load switch (SW4)
- 22 DC input voltage terminal connector (J2)
- 23 BUCK1 variable load potentiometer (R42)
- 24 BUCK1 Load MOSFET and heatsink (Q5, HS1)
- 25 10 V boost regulator (U7)
- 26 BUCK1 dynamic load header (J5)
- 27 BUCK1 output connector (J7)
- 28 BUCK1 static load header (J6)
- 29 Multiphase header (J14)
- 30 BUCK1 inductor (L2)
- 31 BUCK1 output capacitors (C15, C16, C19)
- 32 BUCK1 Synchronous MOSFETs (Q1 & Q2)
- 33 Slave in Daisy Chain connector (J12)
- 34 BUCK1 MOSFET driver (U2)
- 35 BUCK1 current transformer (T1)

Dual Buck Evaluation Pinout details



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