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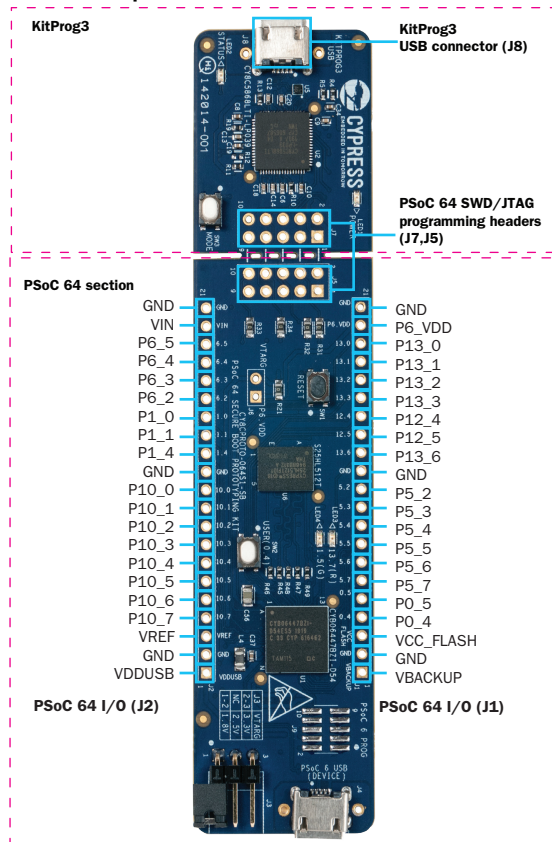
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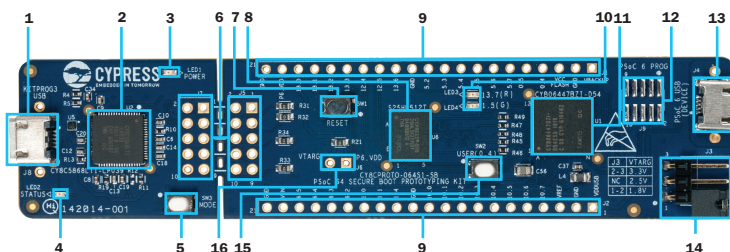
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Infineon continues to support existing part numbers. Please continue to use the ordering part numbers listed in the datasheet for ordering.

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CY8CPROTO-064S1-SB PSoC™ 64 "Secure Boot" prototyping kit quick start guide

Pinout description

KitProg3

KitProg3 USB connector (J8)

PSoC 64 SWD/JTAG programming headers (J7,J5)

PSoC 64 section

GND	GND
VIN	P6_VDD
P6_5	P13_0
P6_4	P13_1
P6_3	P13_2
P6_2	P13_3
P1_0	P12_4
P1_1	P12_5
P1_4	P13_6
GND	GND
P10_0	P5_2
P10_1	P5_3
P10_2	P5_4
P10_3	P5_5
P10_4	P5_6
P10_5	P5_7
P10_6	P0_5
P10_7	P0_4
VREF	VCC_FLASH
GND	GND
VDDUSB	VBACKUP

PSoC 64 I/O (J2)   **PSoC 64 I/O (J1)**

PSoC 6 USB (DEVICE)

- Claim the Root-of-Trust (RoT) of the PSoC 64 device. This provisions your unique keys and policies onto the device.
- See the kit guide for provisioning and programming this MCU for evaluation.

"SECURE UNCLAIMED" MCU → Provision with your credentials → "SECURE CLAIMED" MCU → Program signed firmware to evaluate

1. KitProg3 USB connector (J8)
2. KitProg3 (PSoC 5LP) programmer and debugger (CY8C5868LTI-LP039, U2)
3. Power LED (LED1)
4. KitProg3 status LED (LED2)
5. KitProg3 programming mode selection button (SW3)
6. KitProg3 10-pin interface headers (J7, J5)*
7. Reset button (SW1)
8. 512-Mbit serial NOR flash memory (S25HL512T, U6)
9. PSoC 64 I/O headers (J1, J2)*
10. PSoC 64 user LEDs (LED3, LED4)
11. PSoC 64 chip (CYB06447BZI-D54, U1)
12. PSoC 64 program and debug header (J9)*
13. PSoC 64 USB device connector (J4)
14. Power selection jumper (J3)
15. PSoC 64 user button (SW2)
16. PSoC 64 current measurement header (J6)*

*Not loaded by default

For more information, please visit: www.cypress.com/CY8CPROTO-064S1-SB

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