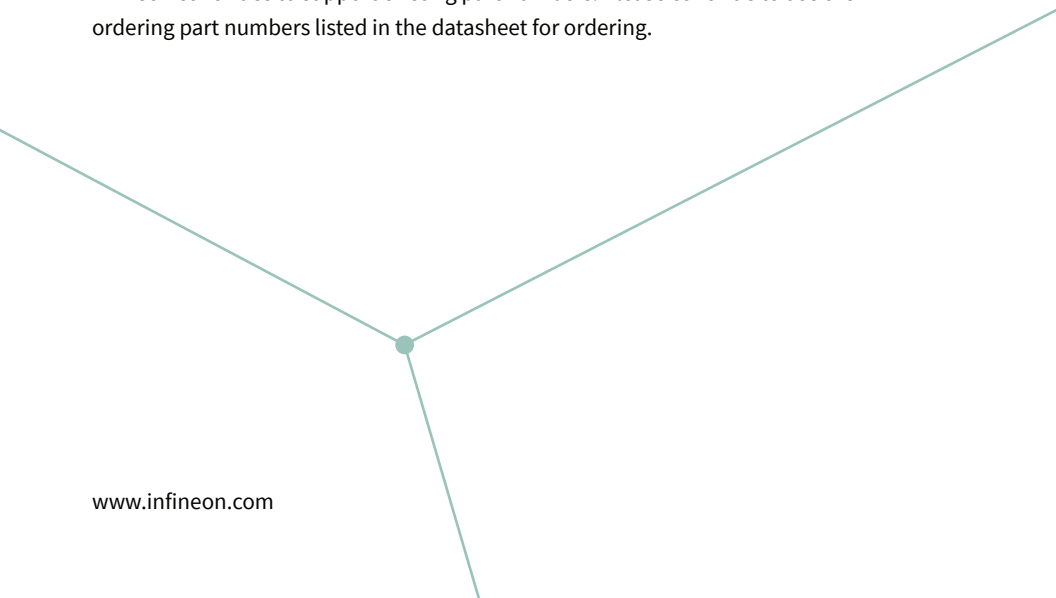
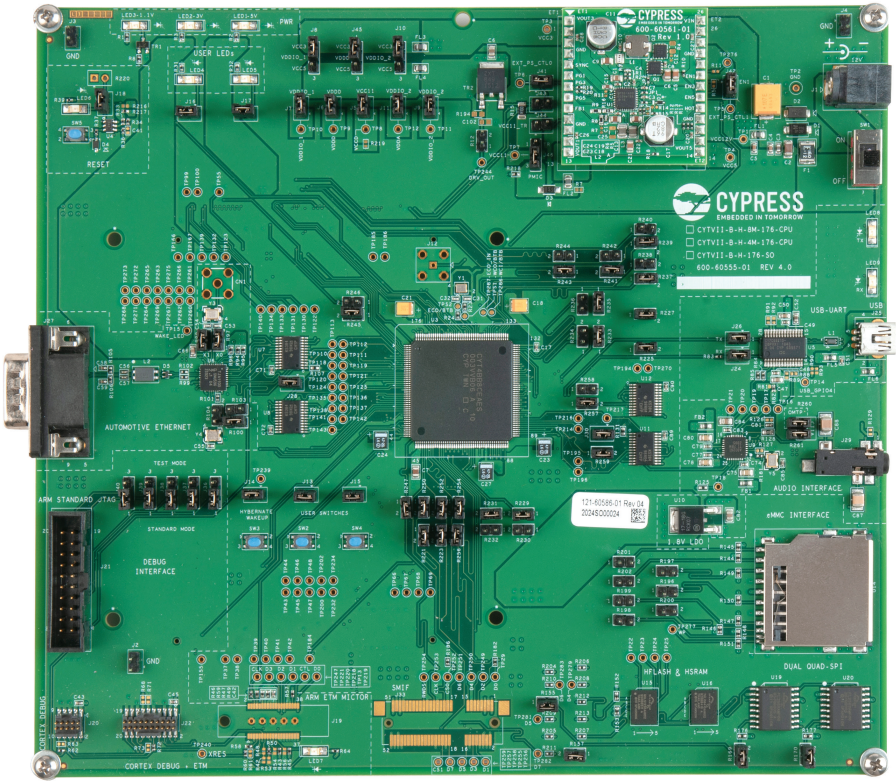
Please note that Cypress is an Infineon Technologies Company.
The document following this cover page is marked as “Cypress” document as this is the company that originally developed the product. Please note that Infineon will continue to offer the product to new and existing customers as part of the Infineon product portfolio.

Continuity of document content
The fact that Infineon offers the following product as part of the Infineon product portfolio does not lead to any changes to this document. Future revisions will occur when appropriate, and any changes will be set out on the document history page.

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



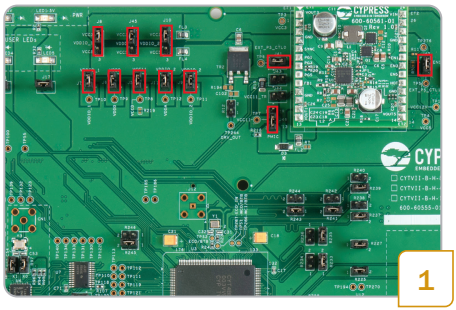
Traveo™ II CPU board



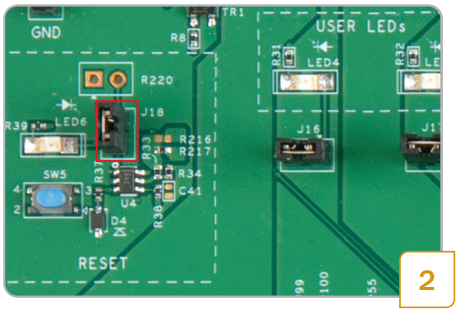
Kit contents:

1. Traveo™ II CPU board (CYTVII-B-H-4M-176-CPU)
2. Type-B Mini USB cable
3. 12V AC-DC universal power adapter
4. Quick start guide (this document)
5. Screws and spacers

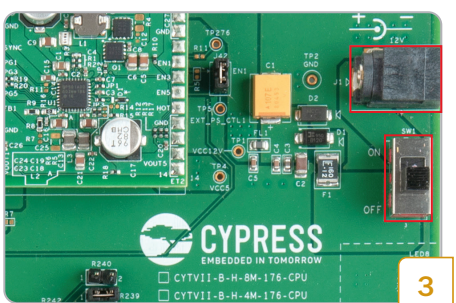
Traveo™ II CPU board



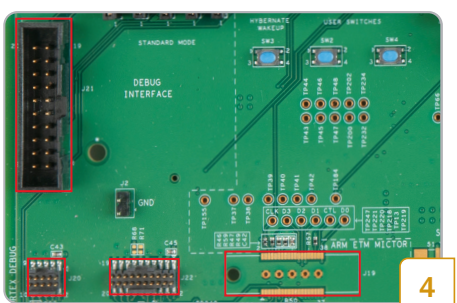
- Ensure that jumpers J7, J6, J5, J11, J9, J41, J42 are inserted. Ensure that jumpers J8, J45, J10 are in 1-2 position and J46 is in 2-3 position.



- Ensure that the MCU reset controller jumper (J18) is inserted.



- Connect the 12V adapter to power jack (J1). Toggle the switch SW1 to the ON position to power up the board.



- Connect an appropriate programming tool (IAR/GHS) to one of the debugging interfaces (J21, J20, J22, J19).

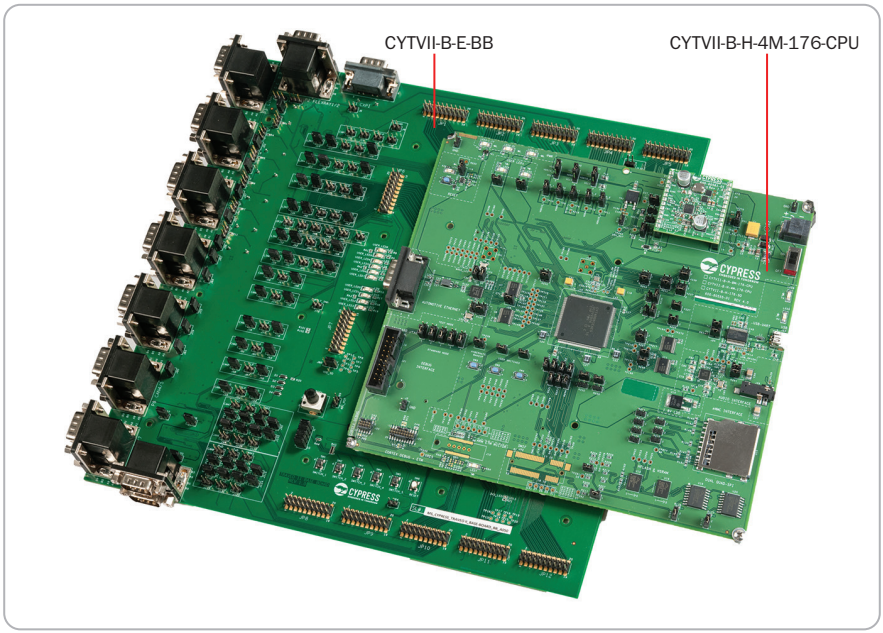
- Use an appropriate IDE on a PC to load a firmware SREC file into the device flash. The LED blink firmware is available in the release package.

Traveo™ II CPU board

Instructions:

Use the board in conjunction with the body controller baseboard (CYTVII-B-E-BB) to evaluate all features of the Traveo™ II MCU. In standalone mode, only limited features of the MCU are available.

See the CPU board user guide for details.

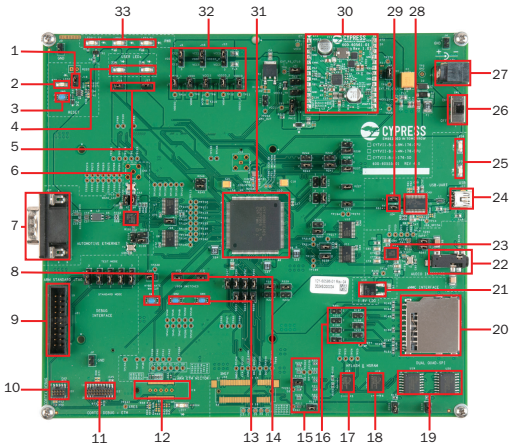


Go to the customer support portal (cypress.com/support) to know more about the baseboard and compatibility, and for the following resources:

- User guide
- Schematic
- Sample driver library (SDL)
- Software examples

Traveo™ II CPU board

Traveo™ II CPU board details



1. MCU reset controller jumper – J18
2. MCU reset LED – LED6
3. MCU reset button – SW5
4. User LEDs – LED4 & LED5
5. Jumpers for user LEDs – J16 & J17
6. Automotive Ethernet controller (TJA1100) – U6
7. Automotive Ethernet connector – J27
8. Hibernate mode switch – SW3
9. IDC Arm® standard JTAG 20-Pin connector – J21
10. Arm® Cortex® debug MIPI-10 connector – J20
11. Arm® Cortex® debug ETM MIPI-20 connector – J22
12. Arm® ETM Mictor–38 connector – J19
13. User switches – SW2 & SW4
14. Jumpers for user switches – J13 & J15
15. Jumpers for SMIF – R155, R157, R169, R170
16. Jumpers for SDHC – R197 to R202
17. 512Mb HyperFlash™ memory (S26KL512) – U15
18. 64Mb HyperRAM™ DRAM (S27KL064) – U16
19. 256Mb Quad–SPI flash (FL256Sx) – U19, U20
20. SDHC card connector – U14
21. LDO for audio 1.8V (NCP1117) – U10
22. 3.5mm audio jack – J29
23. Audio codec (TLV320AIC26) – U9
24. Mini-B USB connector – J25
25. UART Rx and Tx LEDs – LED8, LED9
26. CPU board power switch – SW1
27. Power connector – J1
28. USB serial controller (CY7C65213) – U5
29. UART Rx and Tx jumpers – J24, J26
30. PMIC controller board – ET1, ET2
31. Traveo™ II TVII–B–H–4M device (CYT4BB) – U3
32. MCU power jumpers – J5 to J11, J45
33. MCU power LEDs – LED1, LED2, LED3