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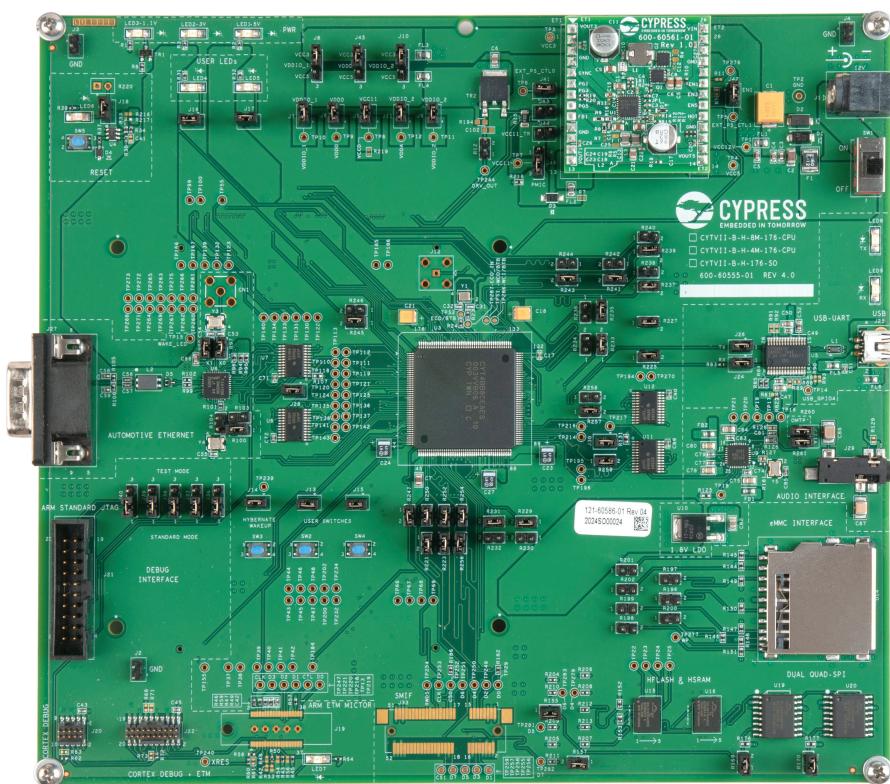
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**Continuity of ordering part numbers**

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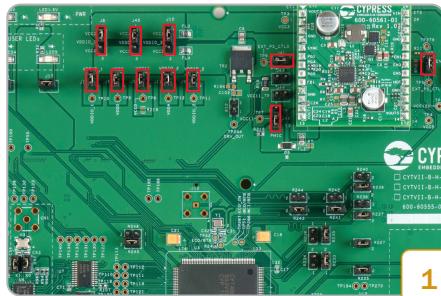
# Traveo™ II CPU board



## Kit contents:

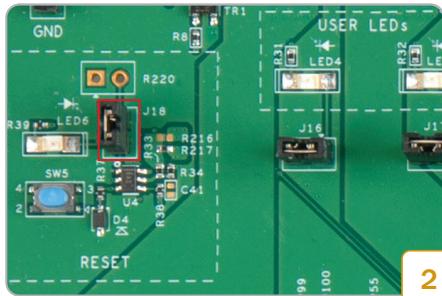
1. Traveo™ II CPU board (CYT VII-B-H-4M-176-CPU)
2. Type-B Mini USB cable
3. 12V AC-DC universal power adapter
4. Quick start guide (this document)
5. Screws and spacers

# Traveo™ II CPU board



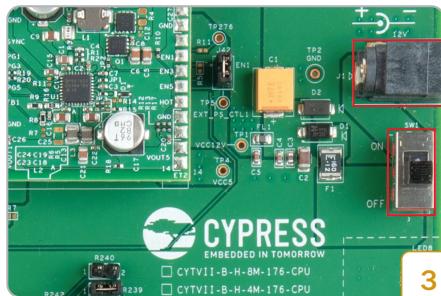
1

- 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.



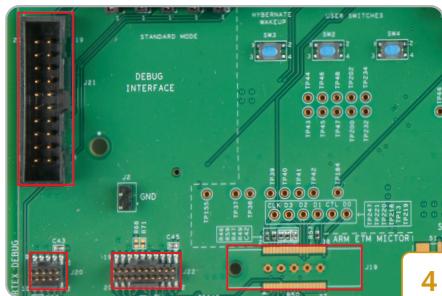
2

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



3

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



4

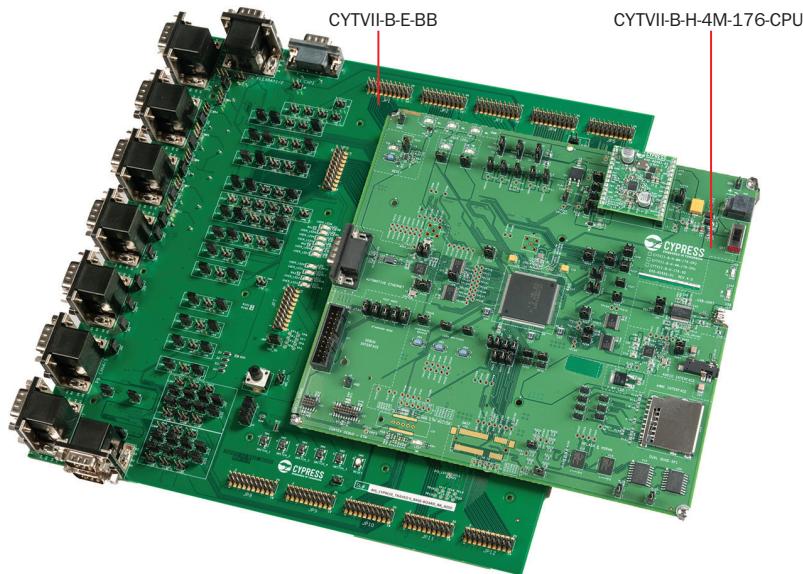
- Connect an appropriate programming tool (IAR/GHS) to one of the debugging interfaces (J21, J20, J22, J19).

# 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.

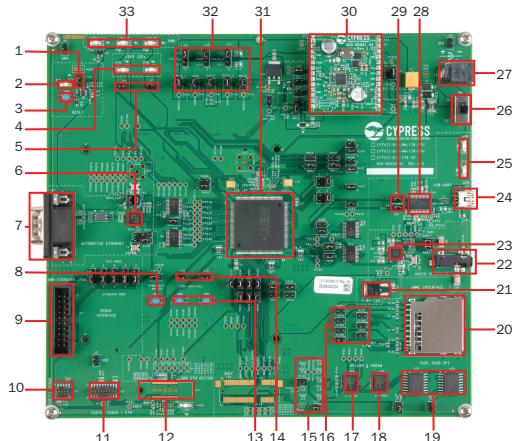


Go to the customer support portal ([cypress.com/support](http://cypress.com/support)) to know more about the baseboard and compatibility, and for the following resources:

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

# Traveo™ II CPU board

## Traveo™ II CPU board details



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

# Mouser Electronics

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