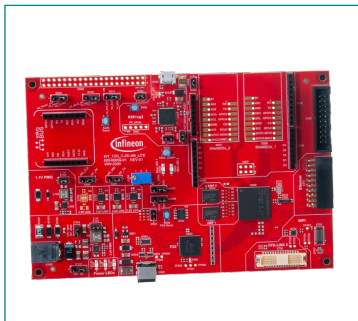


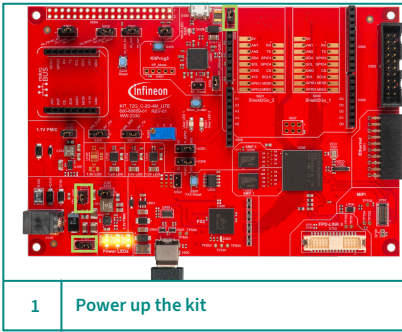
TRAVEO™ T2G Cluster 4M Lite Kit

KIT_T2G_C-2D-4M_LITE

Kit contents

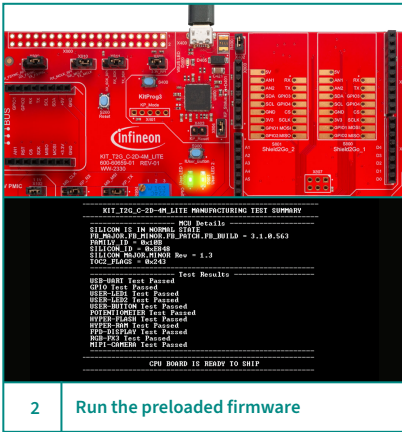
1. KIT_T2G_C-2D-4M_LITE REV-01 kit
2. USB Type-C to Type-C cable





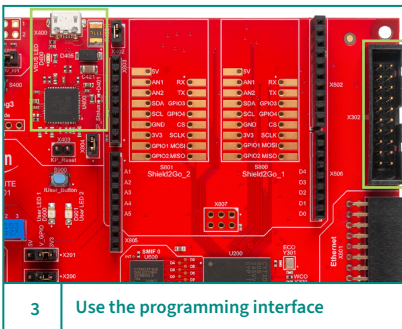
Powering up the kit

1. Ensure that you have the following:
 - X103 (shorted between 2-3)
 - X104 (shorted)
 - X402 (shorted)
2. Connect the Type-C cable between X500 and Type-C port of the PC.
3. Observe that the following power LEDs glow:
 - 3.3 V LED (D104)
 - 1.1 V LED (D102)
 - 1.2 V LED (D103)



Pre-programmed code example

1. Connect the USB Micro-B cable (not part of the kit) between X400 and the USB port of the PC.
2. Observe that the VBUS LED starts to glow with the other power LEDs.
3. Open a UART terminal software and connect with the USB-UART COM port.
4. Select the baud rate to 115200 and then press the MCU reset button S200.
5. Observe that the test results are printed on the serial terminal window.*
6. Observe that the user LEDs blink continuously.

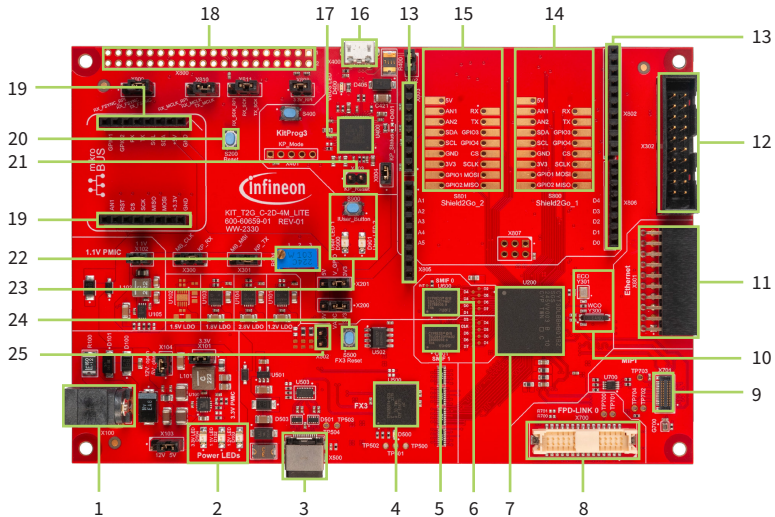


Program and debug

1. Use the onboard debugger (KitProg3) for programming and debugging the board by connecting the USB Micro-B cable between X400 and the USB port of the PC.
2. Additionally, use Cortex® Debug + ETM header (X302) which is also available on the board.
3. Connect the suitable programming tool (IAR/GHS/iSystem/Lauterbach) to one of the debugging interfaces.
4. Use a suitable IDE to program and debug the device.

* Results in the serial terminal may varies as per the firmware changes.

KIT_T2G_C-2D-4M_LITE REV-01 board details



- | | | | |
|----|--|----|---|
| 1 | 12V input power jack (X100) | 14 | Connector compatible with Shield2Go (Shield2Go_1-S800)* |
| 2 | Power LEDs (D104, D102, and D103) | 15 | Connector compatible with Shield2Go (Shield2Go_2-S801)* |
| 3 | USB Type-C connector (X500) | 16 | USB micro-B connector (X400) |
| 4 | EZ-USB™ FX3 (CYUSB3014-BZXC – U500) | 17 | PSoC™ 5LP (KitProg3) for programming (CY8C5868LTI-LP039 – U400) |
| 5 | 64 Mb HYPERRAM™ (S27KL0642DPBHA020 – U601) | 18 | I/O connector compatible with Raspberry Pi* (X800) |
| 6 | 512 Mb SEMPER™ flash (S26HL512TFPBHM010 – U600) | 19 | mikroBUS header (X812, X813) |
| 7 | TRAVEO™ T2G CYT3DL device (MCU – U200) | 20 | TRAVEO™ T2G MCU reset button (S200) |
| 8 | TRAVEO™ T2G CYT3DL device (MCU – U200) | 21 | KitProg3 reset jumper (X403) |
| 9 | MIPI CSI-2 connector compatible with e-CON module (X701) | 22 | Potentiometer (R904) |
| 10 | External Crystal Oscillator (Y301) and Watch Crystal Oscillator (Y300) | 23 | User LEDs (D900, D901) and push button (S900) |
| 11 | Pmod connector for Ethernet (X801) | 24 | EZ-USB™ FX3 reset button (S500) |
| 12 | 20-pin IDC Arm® standard JTAG connector (X302) | 25 | EZ-USB™ FX3 bootloader jumper (X502) |
| 13 | Shield connector compatible with Arduino (X802, X803, X805 and X806) | | |

* Footprint only, not populated on the board



Contact [Technical Support](#) to obtain kit documents and software examples.