



## XDS110 Debugger Interface P10 selects the voltage source for the level shifters When powering CC2650 from the XDS supply, connect jumper between pins 1 and 2. When powering CC2650 from the external supply, connect jumper between pins 2 and 3. M12 jumper to be mounted between pin 1 and 2 on header P10 BB02-HC031-KB1-603000 $\mathsf{XDS}\_\mathsf{VCC}$ VCCB VCCA 100nF 1DIR 2DIR 1nOE 2nOE XDS\_TX\_LS >>>XDS\_TX 1A2 XDS\_RX 2A1 2A2 10 GND GND R61 100k R62 100k SN74AVC4T245RSV XDS\_VCC C53 C54 100nF 100nF CC2650\_SWO DIO16\_TDO DIO17\_TDI CC2650\_TCK CC2650\_TMS VCCB VCCA 2DIR 1nOE CC2650\_TXD CC2650\_RXD 2nOE XDS\_TCK\_LS XDS\_TDO\_LS CC2650\_VDD O OXDS\_VCC 1A1 1A2 2A1 2A2 >>> XDS\_TDO 10 11 BB02-HJ221-KB1-603000 GND GND R65 100k R63 100k SN74AVC4T245RSV $XDS-RST = 0 \rightarrow output = 0$ XDS-RST = 1 -> output = Hi-Z Jumpers to be mounted XDS\_VCC on header P4 C55 C56 TMS signal is bidirectional. 100nF TMS DIR used to control 100nF direction of level shifter VCCB VCCA CC2650\_VDD →>>>XDS\_TMS\_DIR 2DIR 1nOE 2nOE XDS\_RESET\_LS 1B1 1B2 2B1 >>> XDS\_RESET 1A2 ->>xds\_tms 2A1 FTSH-105-01-F-DV-K 2A2 FTSH-105-01-F-DV-K GND GND R57 100 SN74AVC4T245RSV Use P5 for debugging CC2650 with an DIR = $H: A \rightarrow B$ DIR = L: B $\rightarrow$ A external debugger SW3 (requires that all 1188E-1K2-V jumpers be removed) OE = H: output = $Hi-Z_r$ TEXAS INSTRUMENTS LAUNCHXL-CC2650 Use P7 for debugging external targets Drawn: (requires that all FGK, KHT TPD6E004RSER Checked: NN jumpers be removed) TPD6E004RSER Size: Rev: Sheet: 1.3.0 3 of 5 Monday, June 06, 2016



