SG48 Pin Out For iCE5LP-1K, -2K, -4K & iCE40UP-5K

Revision 0.3 - Add in UltraPlus Devices

Revision 1.1 - Fix RGB pins, swapped pins 39 & 41

Updated March 16, 2018

iCE5LP-1K iCE5LP-2K iCE5LP-4K iCE40UP-5K FNC **Pin Type BANK Differential Pair SG48 SG48 SG48 SG48** IOB 0a DPIO TRUE of IOB 1b IOB 2a DPIO TRUE of IOB 3b DPIO / GBIN IOB 3b G6 COMP of IOB 2a DPIO IOB 4a TRUE of IOB 5b DPIO IOB 5b COMP of IOB 4a IOB 6a DPIO TRUE of IOB 7b IOB 8a PIO TRUE of IOB 9b PIO IOB 9b COMP of IOB 8a **CONFIG** creset b IOB 13b PIO CDONE **CONFIG** IOB 16a PIO PIO IOB 18a IOB 20a PIO PIO IOB 22a TRUE of IOB 23b IOB 23b PIO COMP of IOB 22a PIO IOB 24a IOB 25b G3 PIO / GBIN PIO IOB 29b DPIO IOB 31b COMP of IOB 30a PIO / CONFIG SPI IOB 32a SPI SO PIO / CONFIG SPI IOB 33b SPI SI IOB 34a SPI SCK PIO / CONFIG_SPI IOB 35b SPI CSN PIO / CONFIG SPI IOT 36b PIO COMP of IOT 37a PIO IOT 37a TRUE of IOT 36b PIO IOT 38b COMP of IOT 39a IOT 39a PIO TRUE_of_IOT_38b IOT 41a PIO PIO IOT 42b COMP of IOT 43a PIO TRUE_of_IOT_42b IOT 43a PIO COMP of IOT 45a IOT 44b PIO / GBIN TRUE of IOT 44b IOT_45a_G1 PIO / GBIN IOT 46b G0 IOT 48b PIO COMP of IOT 49a PIO IOT_49a TRUE of IOT 48b PIO IOT 50b COMP of IOT 51a PIO IOT 51a TRUE of IOT 50b LED LED **LED** VCC VCC VCC VCC VCC VCC VCCIO 0 VCCIO VCCIO 2 **VCCIO** VCCIO SPI Vccio1 VCCPLL VCCPLL VCCPLL VPP 2V5 VPP **VPP**

^{*}SG48 GND is connected to package paddle