

LAUNCHXL-F280049C Pin Map

| Function | RT Box | | | RT Box | Function |
|-----------------|--------|-----------|-----------|--------|----------|
| | | J1 | J3 | | |
| | 3.3V | 1 | 21 | | |
| | | 2 | 22 | GND | |
| GPIO13 | DO0 | 3 | 23 | AO0 | ADCINA5 |
| GPIO40 | DO1 | 4 | 24 | AO1 | ADCINB0 |
| | DO2 | 5 | 25 | AO2 | ADCINC2 |
| | | 6 | 26 | AO3 | ADCINB1 |
| GPIO56, SPICLKA | DI24 | 7 | 27 | AO4 | ADCINB2 |
| ADCINC4 | DI25 | 8 | 28 | AO5 | ADCINC0 |
| GPIO37, EQEP1B | DI26 | 9 | 29 | AO6 | ADCINA9 |
| GPIO35, EQEP1A | DO27 | 10 | 30 | AO7 | ADCINA1 |
| | | | | | |
| | | J5 | J7 | | |
| | 3.3V | 41 | 61 | | |
| | | 42 | 62 | GND | |
| GPIO28 | DO16 | 43 | 63 | AO8 | ADCINA6 |
| GPIO29 | DO17 | 44 | 64 | AO9 | ADCINB6 |
| ADCINB4 | DO18 | 45 | 65 | AO10 | ADCINC14 |
| | | 46 | 66 | AO11 | ADCINC1 |
| | | 47 | 67 | AO12 | ADCINC3 |
| ADCINA8 | DO19 | 48 | 68 | AO13 | ADCINC5 |
| | | 49 | 69 | AO14 | ADCINA3 |
| | | 50 | 70 | AO15 | ADCINA0 |

Table 4.8: LAUNCHXL-F280049C pin map for J1, J3, J5 and J7

| Function | RT Box | | | RT Box | Function |
|------------------------------------|--------|-----------|-----------|--------|------------------|
| | | J4 | J2 | | |
| GPIO10, EPWM6A, EQEP1A | DI0 | 40 | 20 | GND | |
| GPIO11, EPWM6B, EQEP1B | DI1 | 39 | 19 | DI6 | GPIO57, SPISTEA |
| GPIO8, EPWM5A | DI2 | 38 | 18 | DI7 | |
| GPIO9, EPWM5B, EQEP1I, OUTXBAR6 | DI3 | 37 | 17 | | |
| GPIO4, EPWM3A | DI4 | 36 | 16 | DO25 | RESET |
| GPIO5, EPWM3B, OUT- XBAR3 | DI5 | 35 | 15 | DI27 | GPIO16, SPISIMOA |
| GPIO58, OUTXBAR1 | DO4 | 34 | 14 | DO26 | GPIO17, SPISOMIA |
| GPIO30, OUTXBAR7 | DO5 | 33 | 13 | DO6 | GPIO39 |
| | | 32 | 12 | DO7 | GPIO23 |
| | | 31 | 11 | DO3 | GPIO59, EQEP1I |
| | | | | | |
| | | J8 | J6 | | |
| GPIO0, EPWM1A | DI16 | 80 | 60 | GND | |
| GPIO1, EPWM1B | DI17 | 79 | 59 | DI22 | GPIO27, SPISTEB |
| GPIO6, EPWM4A | DI18 | 78 | 58 | DI23 | |
| GPIO7, EPWM4B, OUT- XBAR5 | DI19 | 77 | 57 | | |
| GPIO2, EPWM2A | DI20 | 76 | 56 | | |
| GPIO3, EPWM2B, OUT- XBAR2 | DI21 | 75 | 55 | DO20 | GPIO24, SPISIMOB |
| | | 74 | 54 | DO21 | GPIO31, SPISOMIB |

| Function | RT Box | | | RT Box | Function |
|----------|--------|----|----|--------|-----------------|
| | | 73 | 53 | DO22 | GPIO33, SPISTEB |
| | | 72 | 52 | DO23 | GPIO34 |
| | | 71 | 51 | DO24 | GPIO12 |

Table 4.9: LAUNCHXL-F280049C pin map for J2, J4, J6 and J8