| HSEC pin | MCU pin | HSEC function | HSEC function | MCU pin | HSEC pin |
|---|---|---|---|---|---|
| 1 | | JTAG-EMU1 | JTAG-EMU0 | | 2 |
| 3 | | JTAG-TMS | JTAG-TRSTn | | 4 |
| 5 | | JTAG-TCK | JTAG-TDO | | 6 |
| 7 | | GND | JTAG-TDI | | 8 |
| 9 | | ADC1 (and/or DACA) | GND | | 10 |
| 11 | | ADC1 (and/or DACB) | ADC2 | | 12 |
| 13 | | Rsvd | ADC2 | | 14 |
| 15 | | ADC1 (and/or CMPIN+) | Rsvd | | 16 |
| 17 | | ADC1 | ADC2 | | 18 |
| 19 | | GND | ADC2 | | 20 |
| 21 | | ADC1 (and/or CMPIN+) | GND | | 22 |
| 23 | | ADC1 | ADC2 | | 24 |
| 25 | | ADC (and/or CMPIN+) | ADC2 | | 26 |
| 27 | | ADC | ADC | | 28 |
| 29 | | Rsvd | ADC | | 30 |
| 31 | | ADC | Rsvd | | 32 |
| 33 | | ADC | ADC | | 34 |
| 35 | | GND | ADC | | 36 |
| 37 | | ADC | GND | | 38 |
| 39 | | ADC | ADC | | 40 |
| 41 | | Rsv | ADC | | 42 |
| 43 | | A-GND   (VREFLO on certain MCU) | Rsv | | 44 |
| 45 | | Rsv   (VREFHI on certain MCU) | GND | | 46 |
| 47 | | GND | 5V0 | | 48 |
| 49 | | PWM1A | PWM3A | | 50 |
| 51 | | PWM1B | PWM3B | | 52 |
| 53 | | PWM2A | PWM4A | | 54 |
| 55 | | PWM2B | PWM4B | | 56 |
| 57 | | PWM5A | PWM7A or TZ1 | | 58 |
| 59 | | PWM5B | PWM7B  or TZ2 | | 60 |
| 61 | | PWM6A | PWM8A  or TZ3 | | 62 |
| 63 | | PWM6B | PWM8B or TZ1/4 | | 64 |
| 65 | | GND | 12V0? | | 66 |
| 67 | | SPISIMOA | QEP1A (McBSP-MDXA) | | 68 |
| 69 | | SPISOMIA | QEP1B (McBSP-MDRA) | | 70 |
| 71 | | SPICLKA | QEP1S (McBSP-MFSXA) | | 72 |
| 73 | | SPISTEA | QEP1I (McBSP-MCLKXA) | | 74 |
| 75 | | ECAP1 or SPISIMOB | SCIRXA | | 76 |
| 77 | | ECAP2 or SPISOMIB | SCITXA | | 78 |
| 79 | | ECAP3 or SPICLKB | CANRXA | | 80 |
| 81 | | ECAP4 or SPISTEB | CANTXA | | 82 |
| 83 | | GND | 5V0 | | 84 |
| 85 | | I2CSDAA | GPIO | | 86 |
| 87 | | I2CSCLA | GPIO | | 88 |
| 89 | | GPIO | GPIO | | 90 |
| 91 | | GPIO | GPIO | | 92 |
| 93 | | GPIO | GPIO | | 94 |
| 95 | | GPIO | GPIO | | 96 |
| 97 | | GND | 5V0 | | 98 |
| 99 | | GPIO | QEP2A or GPIO | | 100 |
| 101 | | GPIO | QEP2B  or GPIO | | 102 |
| 103 | | GPIO | QEP2S  or GPIO | | 104 |
| 105 | | GPIO | QEP2I  or GPIO | | 106 |
| 107 | | GPIO | GPIO (McBSP-MCLKRA) | | 108 |
| 109 | | GPIO | GPIO (McBSP-MFSRA) | | 110 |
| 111 | | GND | 5V0 | | 112 |
| 113 | | Rsv | Rsv | | 114 |
| 115 | | Rsv | Rsv | | 116 |
| 117 | | Rsv | Rsv | | 118 |
| 119 | | Rsv | Device Reset (Active low) | | 120 |
| 121 | | GPIO | GPIO | | 122 |
| 123 | | GPIO | GPIO | | 124 |
| 125 | | GPIO | GPIO | | 126 |
| 127 | | GPIO | GPIO | | 128 |
| 129 | | GPIO | GPIO | | 130 |
| 131 | | GPIO | GPIO | | 132 |
| 133 | | GPIO | GPIO | | 134 |
| 135 | | GND | 12V0? | | 136 |
| 137 | | GPIO | GPIO | | 138 |
| 139 | | GPIO | GPIO | | 140 |
| 141 | | GPIO | GPIO | | 142 |
| 143 | | GPIO | GPIO | | 144 |
| 145 | | GPIO | GPIO | | 146 |
| 147 | | GPIO | GPIO | | 148 |
| 149 | | GPIO | GPIO | | 150 |
| 151 | | GPIO | GPIO | | 152 |
| 153 | | GPIO | GPIO | | 154 |
| 155 | | GPIO | GPIO | | 156 |
| 157 | | GND | 5V0 | | 158 |
| 159 | | GPIO | GPIO | | 160 |
| 161 | | GPIO | GPIO | | 162 |
| 163 | | GPIO | GPIO | | 164 |
| 165 | | GPIO | GPIO | | 166 |
| 167 | | GPIO | GPIO | | 168 |
| 169 | | GPIO | GPIO | | 170 |
| 171 | | Rsv | Rsv | | 172 |
| 173 | | Rsv | Rsv | | 174 |
| 175 | | Rsv | Rsv | | 176 |
| 177 | | Rsv | 12V0? | | 178 |
| 179 | | GND | 5V0 | | 180 |

Analog / Digital (left)  
Analog / Digital (right)