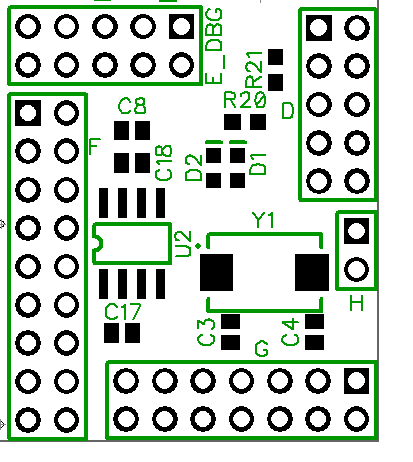
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| U# | U name | Pin # | Pin name | Connector name | Connector pin# | Network name |
| U3 | MKE06Z128VLH4 | 1 | PTD1 | D | 1 |  |
| U3 | MKE06Z128VLH4 | 2 | PTD0 | D | 2 |  |
| U3 | MKE06Z128VLH4 | 3 | PTH7 | D | 3 |  |
| U3 | MKE06Z128VLH4 | 4 | PTH6 | D | 4 |  |
| U3 | MKE06Z128VLH4 | 5 | PTE7 | D | 5 |  |
| U3 | MKE06Z128VLH4 | 6 | PTH2 | D | 6 |  |
| U3 | MKE06Z128VLH4 | 7 | VDD |  |  |  |
| U3 | MKE06Z128VLH4 | 8 | VDDA/VREFH |  |  |  |
| U3 | MKE06Z128VLH4 | 9 | VREFL |  |  |  |
| U3 | MKE06Z128VLH4 | 10 | VSS/VSSA |  |  |  |
| U3 | MKE06Z128VLH4 | 11 | PTB7 |  |  |  |
| U3 | MKE06Z128VLH4 | 12 | PTB6 |  |  |  |
| U3 | MKE06Z128VLH4 | 13 | PTI4 | D | 7 |  |
| U3 | MKE06Z128VLH4 | 14 | PTH1 | D | 8 |  |
| U3 | MKE06Z128VLH4 | 15 | PTH0 | D | 9 |  |
| U3 | MKE06Z128VLH4 | 16 | PTE6 | D | 10 |  |
| U3 | MKE06Z128VLH4 | 17 | PTE5 | G | 1 |  |
| U3 | MKE06Z128VLH4 | 18 | PTB5 | G | 2 | FTM2\_CH5 – Buzzer |
| U3 | MKE06Z128VLH4 | 19 | PTB4 | G | 3 | FTM2\_CH4 – HeatOnPWM |
| U3 | MKE06Z128VLH4 | 20 | PTC3 | G | 4 | ADC0\_SE11 – Potentiometer |
| U3 | MKE06Z128VLH4 | 21 | PTC2 | G | 5 | BTN\_3 |
| U3 | MKE06Z128VLH4 | 22 | PTD7 | G | 6 | UART\_TX |
| U3 | MKE06Z128VLH4 | 23 | PTD6 | G | 7 | UART\_RX |
| U3 | MKE06Z128VLH4 | 24 | PTD5 | G | 8 | Activity |
| U3 | MKE06Z128VLH4 | 25 | PTC1 | G | 9 | MISO – Temperature |
| U3 | MKE06Z128VLH4 | 26 | PTC0 | G | 10 | SCK – Temperature |
| U3 | MKE06Z128VLH4 | 27 | PTF7 | G | 11 | CS – Temperature |
| U3 | MKE06Z128VLH4 | 28 | PTF6 | G | 12 |  |
| U3 | MKE06Z128VLH4 | 29 | PTF5 | G | 13 |  |
| U3 | MKE06Z128VLH4 | 30 | PTF4 | G | 14 |  |
| U3 | MKE06Z128VLH4 | 35 | PTF3 |  |  |  |
| U3 | MKE06Z128VLH4 | 36 | PTF2 |  |  |  |
| U3 | MKE06Z128VLH4 | 37 | PTA7 | F | 18 | Digit\_12 |
| U3 | MKE06Z128VLH4 | 38 | PTA6 | F | 17 | SEG1.6 |
| U3 | MKE06Z128VLH4 | 39 | PTE4 | F | 16 | SEG1.5 |
| U3 | MKE06Z128VLH4 | 40 | VSS |  |  |  |
| U3 | MKE06Z128VLH4 | 41 | VDD |  |  |  |
| U3 | MKE06Z128VLH4 | 42 | PTF1 | F | 15 | SEG1.4 |
| U3 | MKE06Z128VLH4 | 43 | PTF0 | F | 14 | SEG1.3 |
| U3 | MKE06Z128VLH4 | 44 | PTD4 | F | 13 | SEG1.2 |
| U3 | MKE06Z128VLH4 | 45 | PTD3 | F | 12 | SEG1.1 |
| U3 | MKE06Z128VLH4 | 46 | PTD2 | F | 11 | SEG1.0 |
| U3 | MKE06Z128VLH4 | 47 | PTA3 | F | 10 | UART0\_TX |
| U3 | MKE06Z128VLH4 | 48 | PTA2 | F | 9 | UART0\_RX |
| U3 | MKE06Z128VLH4 | 49 | PTA1 | F | 8 | Digit\_34 |
| U3 | MKE06Z128VLH4 | 50 | PTA0 | F | 7 | SEG2.6 |
| U3 | MKE06Z128VLH4 | 51 | PTC7 | F | 6 | SEG2.5 |
| U3 | MKE06Z128VLH4 | 52 | PTC6 | F | 5 | SEG2.4 |
| U3 | MKE06Z128VLH4 | 53 | PTE3 | F | 4 | SEG2.3 |
| U3 | MKE06Z128VLH4 | 54 | PTE2 | F | 3 | SEG2.2 |
| U3 | MKE06Z128VLH4 | 55 | PTG3 | F | 2 | SEG2.1 |
| U3 | MKE06Z128VLH4 | 56 | PTG2 | F | 1 | SEG2.0 |
| U3 | MKE06Z128VLH4 | 58 | PTG0 | E | 9 |  |
| U3 | MKE06Z128VLH4 | 59 | PTE1 | E | 8 |  |
| U3 | MKE06Z128VLH4 | 60 | PTE0 | E | 7 |  |
| U3 | MKE06Z128VLH4 | 61 | PTC5 | E | 6 |  |
| U3 | MKE06Z128VLH4 | 62 | PTC4 | E | 4 |  |
| U3 | MKE06Z128VLH4 | 63 | PTA5 | E | 10 |  |
| U3 | MKE06Z128VLH4 | 64 | PTA4 | E | 2 |  |

F

|  |  |
| --- | --- |
| 1 | 2 |
| 3 – Digit12 | 4 – SEG1.6 |
| 5 – SEG1.0 | 6 – SEG1.5 |
| 7 – SEG1.1 | 8 – SEG1.2 |
| 9 – SEG1.4 | 10 – SEG1.3 |
| 11 – SEG2.1 | 12 – SEG2.2 |
| 13 – SEG2.4 | 14 – SEG2.3 |
| 15 – SEG2.6 | 16 – SEG2.0 |
| 17 – SEG2.5 | 18 – Digit34 |

G

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 13 | 11  MISO – Temp | 9  SCK – Temp | 7  UART2\_RX | 5  Potentiometer | 3  HeatOnPWM | 1  BTN\_2 |
| 14 | 12  BTN\_1 | 10  CS – Temp | 8  Activity | 6  UART2\_TX | 4 – PTC3  BTN\_3 | 2  Buzzer |

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