Printout for display digits:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A0-3 | A4-7 | A8-11 |  | A12-15 |  | M12-15 | M16-19 |  | D0-3 | D4-7 |
| RST  HALT | MEMRQ  IORQ | RD  WR |  | M1  WAIT |  | BUSRQ  BUSACK |  |  |  |  |

Power Supply

+ => 5V

- => GND

SysTerminal (UART)

Tx => 12.5 PSoC

Rx => 12.4 PSoC

(Dev) USB on PSoC used to program and debug PSoC itself.

Debug Modes (flags)

1 => MEM-RD

2 => MEM-WR

3 => INSTRUCTION-RD (M1)

4 => INPUT

5 => OUTPUT

6 => INTERRUPT-ACKNOWLEDGE

Header A (Memory)

|  |  |
| --- | --- |
| 1. GND | 1. +5V |
| 1. A0 | 1. A1 |
| 1. A2 | 1. A3 |
| 1. A4 | 1. A5 |
| 1. A6 | 1. A7 |
| 1. A8 | 1. A9 |
| 1. A10 | 1. A11 |
| 1. MA12 | 1. MA13 |
| 1. MA14 | 1. MA15 |
| 1. MA16 | 1. MA17 |
| 1. MA18 | 1. MA19 |
| 1. D0 | 1. D1 |
| 1. D2 | 1. D3 |
| 1. D4 | 1. D5 |
| 1. D6 | 1. D7 |
| 1. !MEMREQ | 1. !WR |
| 1. !RD | 1. !CPU\_WAIT |
|  |  |
|  |  |
|  |  |

Header B (IO)

|  |  |
| --- | --- |
| 1. GND | 1. +5V |
| 1. !BUSRQ | 1. !BUSACK |
| 1. !CPU\_HALT | 1. !CPU\_WAIT |
| 1. !CPU\_M1 | 1. !REFRESH |
| 1. !MEMREQ | 1. !IOREQ |
| 1. !RD | 1. !WR |
| 1. !CPU\_INT | 1. !NMI |
| 1. A12 | 1. A13 |
| 1. A14 | 1. A15 |
| 1. !CPU\_RST | 1. !CPU\_CLK |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

PSoC

RST

+ -

123456

- Tx Rx

-+

HDR B

HDR A

HDR A

HDR B