

J7 - Digital Connector

Connector: 16-pin socket strip: 0.025" square pins on 0.1" centers.
(SAMTEC TSW-116-07-SS)

Mating Connectors: SAMTEC SSW-116-01-SS for providing connections for one add-on board.

SAMTEC SSQ-116-03-GS will mate with J7 and provide a new socket strip matching J7 on the opposite side of an add-on board (for stackable add-on boards)

Connections:

DIGGND	Digital ground
REG5V	5 volt output of voltage regulator
D13	I/O pin 13, also used by PERIOD, COUNT (port 20)
D12	I/O pin 12, also used by TONE (6303's port 21)
D11	I/O pin 11, also used by SDO (6303's port 22)
D10	I/O pin 10 (6303's port 25)
D9	I/O pin 9, also used by SDI (6303's port 26)
D8	I/O pin 8, also used by USEND (6303's port 27)
D7	I/O pin 7, also used by UGET (6303's port 50)
D6	I/O pin 6 (6303's port 51)
D5	I/O pin 5, also used by SDI/SDO (6303's port 52)
D4	I/O pin 4, must be high at power-up (6303's port 53)
D3	I/O pin 3, also used by SDI (6303's port 54)
D2	I/O pin 2, also used by SDO (6303's port 55)
D1	I/O pin 1, optionally used by SLEEP (6303's port 56)
D0	I/O pin 0 (6303's port 57)

Model 2 extra pads:

UDI	6303 port 23, UDI to UART (do not confuse with D9)
UDO	6303 port 24, UDO from UART
NC	no connection
NC	no connection

See Also: "Port I/O" and "General Hardware Interfacing" for details of the port lines.