

## Chapter 2. Hardware

This chapter describes the hardware features of the WINC1500 PICTail/PICTail Plus Daughter Board.

### 2.1 HEADERS AND CONNECTORS

This section provides the details of each component on the WINC1500 PICTail/PICTail Plus Daughter Board. For the location of these components, see [Figure 1-1](#).

#### 2.1.1 PICTail Plus Connector (J2)

The WINC1500 PICTail/PICTail Plus Daughter Board has a 30-pin card edge connector to interface with 16-bit and 32-bit development board's PICTail Plus connector, refer to [Table 2-1](#).

#### 2.1.2 PICTail Connector (J5)

The WINC1500 PICTail/PICTail Plus Daughter Board has a 28-pin right angle connector to interface with the 8-bit development board's PICTail Plus connector.

[Table 2-1](#) provides the pinout details of the PICTail/PICTail Plus connectors.

**TABLE 2-1: PICTAIL/PICTAIL PLUS CONNECTOR PINOUT**

Pin on PICTail Plus 30-pin connector (J2)	Pin on PICTail 28-pin connector (J5)	Pin on ATWINC1510-MR210PB	Function
28	25	4	ATWINC1500 RESET
14	11	11	ATWINC1500 WAKE
18	27	13	ATWINC1500 IRQ
30	23	22	ATWINC1500 CHIP ENABLE
1	24	16	SPI_SS
7	8	15	SPI_MOSI
5	10	17	SPI_MISO
3	12	18	SPI_SCK
9,10,15,16	28	9,12, 28	GND
22	26	20, 23 <sup>(1)</sup>	Vcc

**Note 1:** The Vcc of the base board is connected to the Vcc of the module through a power selection connector when jumper is placed on the 1-2 of the header (J8).