

2.2 Jumper Settings

2.2.1 Common jumpers

Common jumpers are those jumpers which should be set the same on the different evaluation boards, no matter which parts and packages. The **Table 2** shows the common jumpers setting on the evaluation board:

TABLE 2: COMMON JUMPERS SETTINGS

JUMPERS	FUNCTIONS	COMMENTS
J10	I/O Interface with mother board	Installed. Necessary to connect UART signals mother board.
J11	I/O Interface with mother board	Installed. Necessary to connect UART signals with mother board.
J9	I/O Interface with mother board	Option. Not necessary for single channel UART..
J12	I/O Interface with mother board	Option. Not necessary for single channel UART.

2.2.2 32-QFN package jumper

The following **Table 3** jumper settings apply to the 32-QFN package:

TABLE 3: JUMPER SETTINGS FOR 32-QFN PACKAGE

JUMPERS	FUNCTIONS	COMMENTS
J6	Power supply to UART	Trace between 1 & 2
J8	Selects POWERSAVE mode	Jumper in 1&2 enables POWERSAVE mode Jumper out 1&2 disables POWERSAVE mode
JP1	Selects crystal or external clock	Jumper in 1&2 and 4& 5 selects crystal <ul style="list-style-type: none"> ■ Trace between 1 & 2 ■ Trace between 4 & 5 Jumper out and pin 3 selects external clock

2.2.3 25-BGA package

The following **Table 4** jumper setting applies to the 25-BGA package:

TABLE 4: JUMPER SETTINGS FOR 25-BGA PACKAGE

JUMPERS	FUNCTIONS	COMMENTS
J4	Power supply to UART	Trace between 1 & 2
JP2	Selects crystal or external clock	Jumper in 1&2 and 4& 5 selects crystal <ul style="list-style-type: none"> ■ Trace between 1 & 2 ■ Trace between 4 & 5 Jumper out and pin 3 selects external clock
J8	Selects POWERSAVE mode	Jumper in 1&2 enables POWERSAVE mode Jumper out 1&2 disables POWERSAVE mode
J5	Selects external loopback on UART side	Jumper in 1&2 selects external loopback on UART side Jumper out 1&2 deselects external loopback on UART side



2.2.4 24-QFN package

The following Table 5 jumper setting applies to the 24-QFN package:

TABLE 5: JUMPER SETTINGS FOR 24-QFN PACKAGE

JUMPERS	FUNCTIONS	COMMENTS
J1	Power supply to UART	Trace between 1 & 2
J3	Selects different type of clocks	Jumper in 1&2 selects crystal Jumper in 2&3 selects external clock ■ Trace between 2 & 3
JP3	Selects crystal or external clock	Jumper in 1&2 and 4& 5 selects crystal ■ Trace between 1 & 2 ■ Trace between 4 & 5 Jumper out and pin 3 selects external clock
J8	Selects POWERSAVE mode	Jumper in 1&2 enables POWERSAVE mode Jumper out 1&2 disables POWERSAVE mode

3.0 DRIVERS

It is recommended that you contact uarttechsupport@exar.com to inquiry and request drivers.

4.0 SAMPLE INITIALIZATION ROUTINE AND SUPPORT

For a sample initialization routine or if there are any questions, send an e-mail to uarttechsupport@exar.com.

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Datasheet February 2009.

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