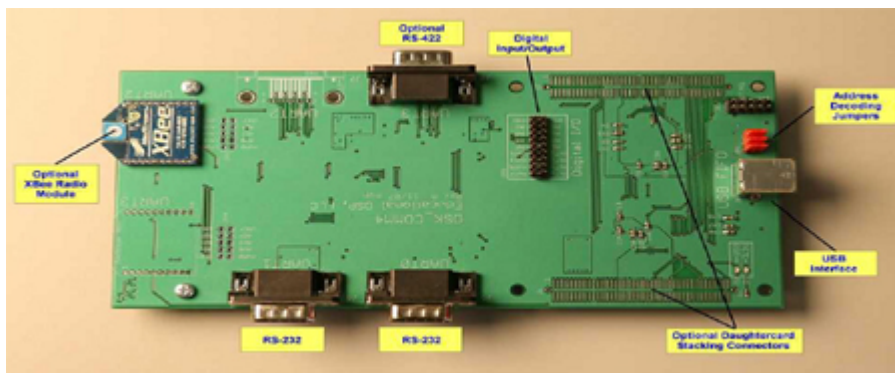


COMM4 COMMUNICATIONS DAUGHTER CARD

DSK_COMM4 communications daughter card provides a variety of communications resources for the Texas Instruments TMS320C6211/6711/6713/6416T/5510/5416 DSP Starter Kits (DSKs). The base configuration of the daughter card has two (2) RS-232 UART channels, a USB interface capability of up to 1MB/s, eight (8) digital outputs, and eight (8) digital inputs. Optionally, two additional UART channels can be configured for either RS-232, RS-422, or a 802.15.4 wireless radio module. The daughter card can also be purchased with pass-through connectors to permit stacking other daughter cards.

The DSK_COMM4 daughter card is designed to be easy to configure yet extremely flexible. With the exception of the address decoding jumpers, all configurations is done in software. The configuration options include;

- Routing of the four UART interrupts and the USB interrupt to any DSK interrupt
- Controlling the interrupt polarity
- Configuring the DSK interrupt drivers to be open-drain or totem-pole
- Jumpers to set the memory space and address to minimize the possibilities of address conflicts



The UART channels all provide 16550-class capabilities. The RS-232 channels are full DTE implementations capable of operating at up to 230.4kbaud. The RS-422 channels are full-duplex implementations capable of operating at up to 921.6kbaud. The wireless radio option uses the Digi (Max Stream) X Bee 2.4GHz radio module that supports the 802.15.4 wireless communication protocol.

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