Circuit Description

The USB to RS232 Cable use the IC PL-2303HX which works with 12MHz crystal to transform the USB signal and TTL signal to each other, and the IC SP3243EUCA to transform the TTL signal and RS232 signal to each other.
The signal from USB interface goes into PL-2303HX and is transferred to TTL signal, then the TTL signal goes into SP3243EUCA and is transferred to RS232 signal, in the end, the RS232 signal is outputted via RS232 interface. While the signal comes from RS232 interface, the procedure is contrary to the condition that signal comes from USB interface.