#### DBL's Service Manual

Warnings: This manual is intended to guide a technicians or customers who would like to repair DBL's devices (GoIP, SHV) Bank, FXS/FXO gateways) at his/her own risk. DBL SHALL NOT be held responsible for any damages as a result of the repair action described below.

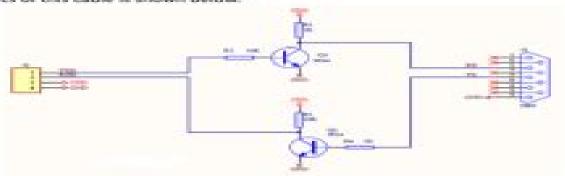
#### 1. Restoring FLASH with Corrupted Image

Symptoms for corrupted FLASH image:

All LEDs lights up without blinking and the device does not reboot itself.

When the above symptoms occurs, please contact technical support (suport@dbitek.com) to verify if the FLASH image is corrupted.

To restore corrupted FLASH image, you need setup your device for COM port access. You need to build or purchase a special COM cable so that your PC can communicate with the device via the COM port. Since both COM ports (your device and PC) operates at different voltage levels, this special COM cable handles the voltage conversions. The circuit schematics of this cable is shown below.



If you do not want to build your COM cable, you can purchase the COM cable kit from DBL. This cable kit consists of the following items.

a) A special COM cable.

# **Gateway Service Manual**

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