

# bq24190 Interface to USB

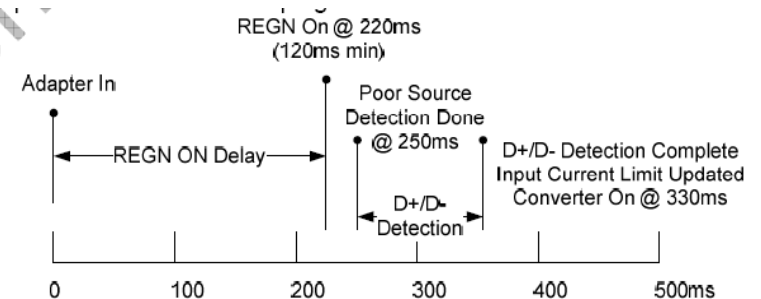
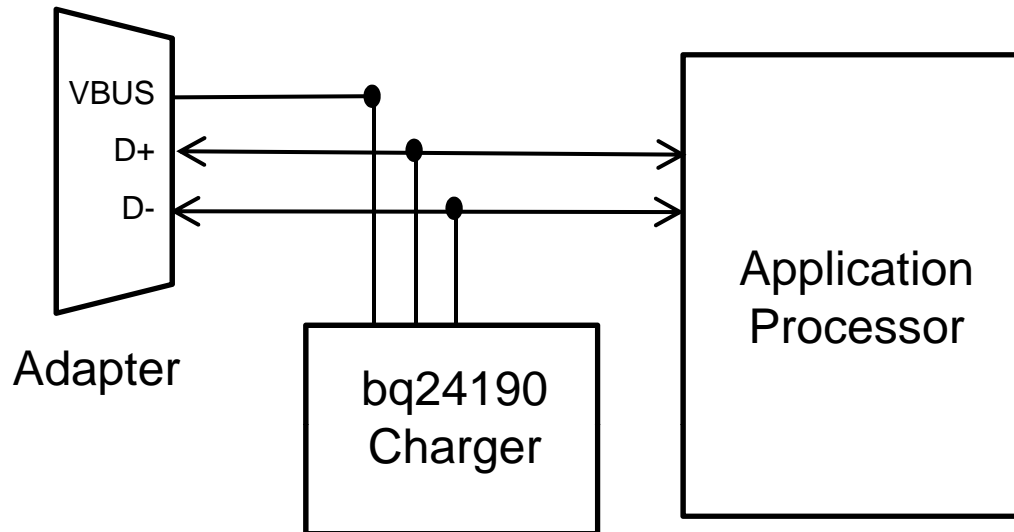
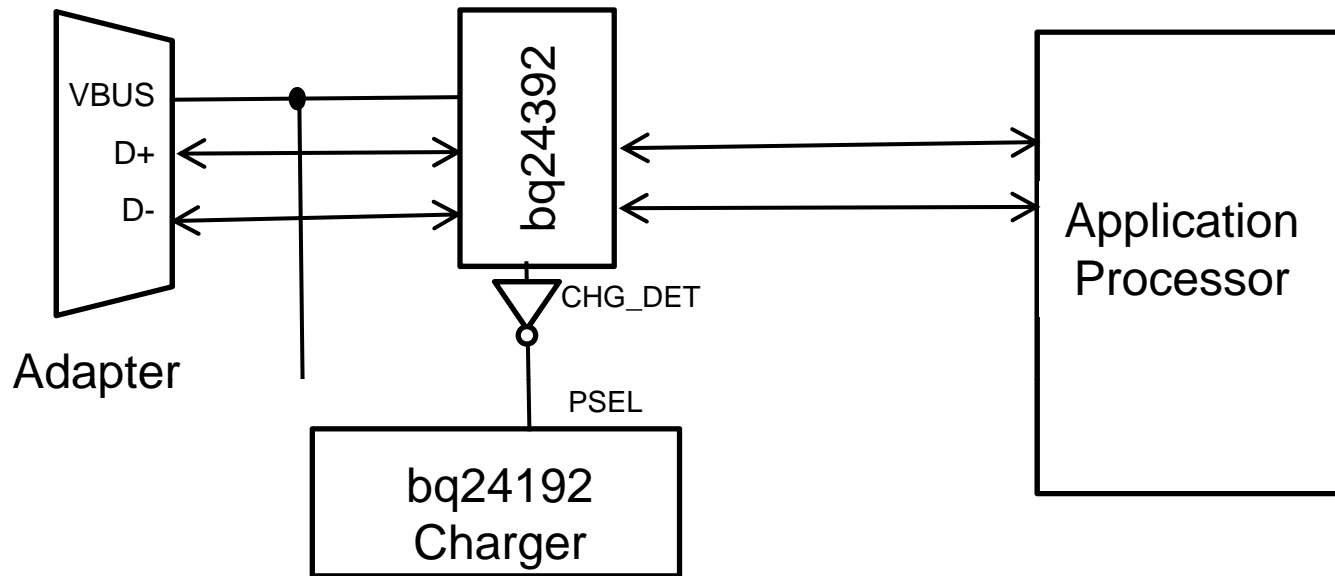


Figure bq24190 Power Up Sequence

- bq24190 has built-in D+/D- SDP/DCP detection
- Other device attached to D+/D- such as Application Processor needs to ensure D+/D- is floated for >330ms (800ms recommended) when adapter is plugged-in to allow bq24190 to drive D+/D-.

# bq24192 Host Interface



- bq24192 uses PSEL to set input current limit for adapter
- USB charger detection device such as bq24392 can be used to interface with bq24192 for charger detection
- The bq24192 charger can operate in default (stand-alone) mode or host mode
- During Host mode, the host can write to REG07 bit 7 to force adapter detection
- During default mode, changes in PSEL while VBUS is presence triggers adapter detection