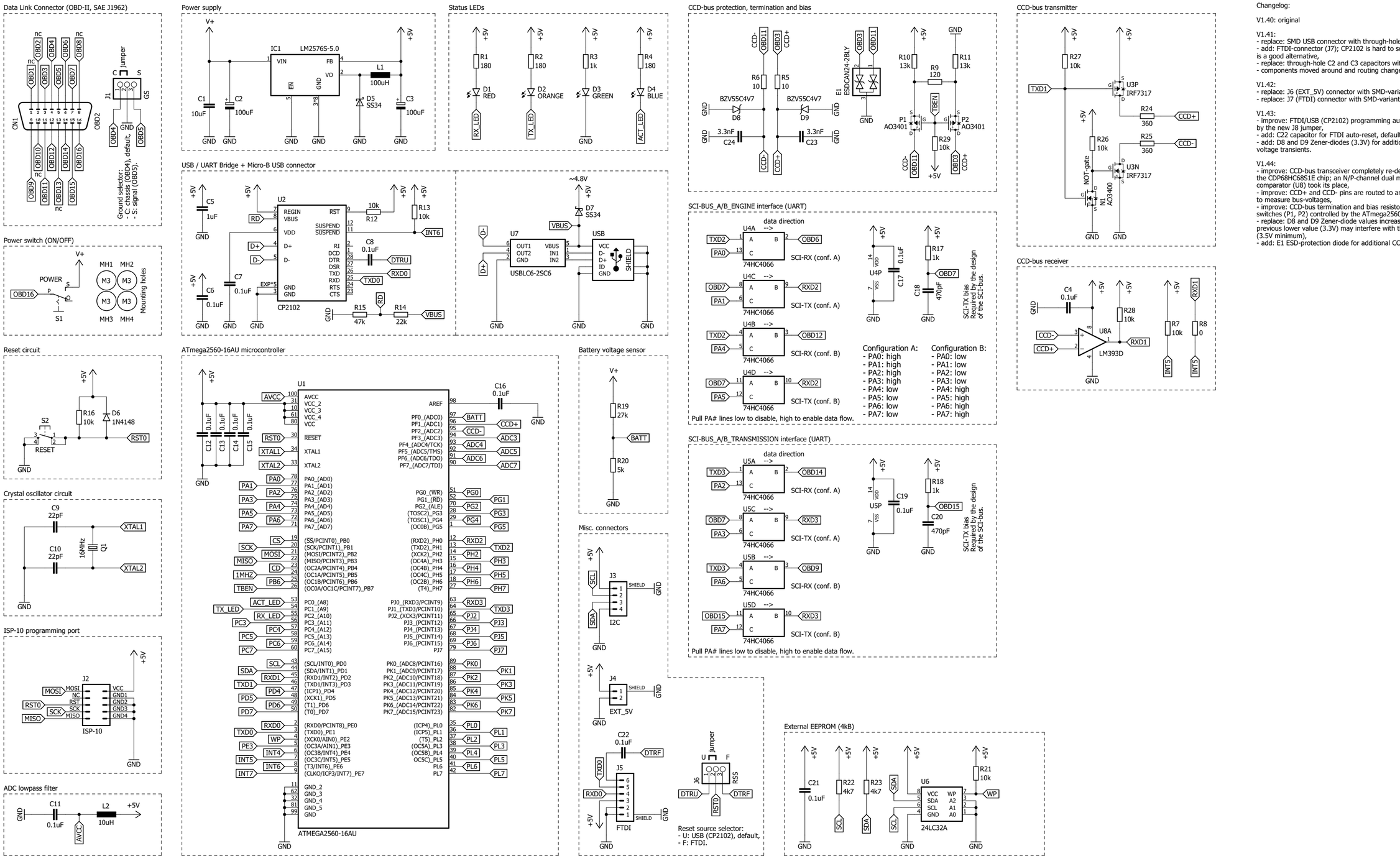

Changelog:

V1.40: original

V1.41:
- replace: SMD USB connector with through-hole variant,
- add: FTDI-connector (J7); CP2102 is hard to solder, FTDI programming is a good alternative,
- replace: through-hole C2 and C3 capacitors with SMD-variant,
- components moved around and routing changed to optimize layout.

V1.42:
- replace: J6 (EXT_5V) connector with SMD-variant,
- replace: J7 (FTDI) connector with SMD-variant.

V1.43:
- improve: FTDI/USB (CP2102) programming auto-reset circuit is selectable by the new J8 jumper,
- add: C22 capacitor for FTDI auto-reset, defaults to USB (CP2102) auto-reset,
- add: D8 and D9 Zener-diodes (3.3V) for additional CCD-bus protection against voltage transients.

V1.44:
- improve: CCD-bus transceiver completely re-designed and it no longer uses the CDP68HC68S1E chip; an N/P-channel dual mosfet (U3) and voltage comparator (U8) took its place,
- improve: CCD+ and CCD- pins are routed to analog inputs of the ATmega2560 to measure bus-voltages,
- improve: CCD-bus termination and bias resistor jumpers replaced by P-MOSFET switches (P1, P2) controlled by the ATmega2560,
- replace: D8 and D9 Zener-diode values increased to 4.7V; previous lower value (3.3V) may interfere with the CCD-bus wake-up signal (3.5V minimum),
- add: E1 ESD-protection diode for additional CCD-bus protection.

Part number: BC-003144

Chrysler CCD/SCI Scanner	
ChryslerCCDSCIScanner_V144	
2020. 12. 08. 18:06	László Dániel
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