

DATE	REVISION NUMBER	INITIALS	Initial Release
8/11/2013	A0 (EVT V00)	RK	Initial draft
19/03/2014	B0 (DVT V00)	RK	<p>Initial draft.</p> <p>Deleted Programming pin on BT900-A0 and R69, R68, CON18. NOPO R26 (10K).</p> <p>Added R79 100K pull down R80, R82 on BT_PCM_Select.</p> <p>Added 32.768kHz oscillator Y2, R83, R84, C42, R81, CON6.</p> <p>Added 2-pin header CON7, CON8 R67(10K), R68(10K) to push buttons.</p> <p>Added R69 10K pull-up on nRESET line.</p> <p>Changed current shunt monitor IC from 200V/V gain (INA216A4YFFR,TI) to 100V/V gain IC INA216A3YFFR,TI.</p> <p>BT900-B0 module U5 has new pin for input external 32.768kHz oscillator.</p> <p>BT900-B0 module pin order changed.</p> <p>Rewired JP2, JP5, JP3, JP2, CON14 etc..</p>
16/05/2014	1.0 (MP V01)	RK	<p>MP.</p> <p>JP1 (JTAG connector) not fitted (Nopop).</p> <p>J10 wiring correction (to match FTDI cable).</p> <p>Added CON9 (2-pin header) in series with pull-up R75.</p> <p>Changed CON4(USB connector) from MiniUSB-B to MiniUSB-AB.</p> <p>Added jumper (See DIP switch settings sheet in BOM) on CON9 (2-pin header).</p>
29/10/2014 7/11/2014	2.0 (MP V02)		<p>Change R73, R74 from 1K to 150R.</p> <p>Rename BT900 pins:</p> <p>1). pin35 BT_PCM_OUT, pin36 BT_PCM_SYNC, pin37 BT_PCM_CLK, pin38 BT_PCM_IN to BT_NC.</p> <p>2). pin22 SIO_19 to SIO_19/(VSP).</p> <p>3). pin3 nAutoRUN to nAutoRUN/SIO_22.</p> <p>PCB changed from DVK-BT900-V01 to DVK-BT900-V02. V02 PCB corrects for silk screen only: added CON7, CON8 silk screen. correct silk screen for BT900 (U5) to show correct pin numbers.</p>

PCB design specification

1. Substrate: FR4 ROHS compliant, High TG 140 degree.
2. Solder mask, color=BLUE, Silkscreen color=WHITE
3. Surface finish to be Immersion Nickel/Gold (ENIG) with 1-2 u"
4. Start with 1/2 oz. copper on all layers.

ZZ-PCB1



PCB

Laird (CP BU)		
Title BT900 Development Board (DVK-BT900-V02) - History		
Size A3	Document Number DVK-BT900-V02	Rev V02
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