Lifescan USB Cable

Logic Schematics

Revision History

Rev	Description	Date	Author
A	First Version	19 November 2002	G.Bala Krishnan
B	Incorporated one resistor each in series with the TXD & RXD lines, to improve ESD immunity. Included a line interface logic to eliminate back drive voltage from BGM. Also two ferrite cores have been added on either side of the PCB overmold to suppress EMI.	28 March 2003	G.Bala Krishnan
C	Removed the ferrite core on 3 core cable side of PCB over mold and modified the length of 3 core cable and USB cable.Added options to use 3 pin tranzorbs on locations TZ1and TZ2.	11 June 2003	S.Dhanapal

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Doc ID: HCLPLFS002_SCH_001

Designed by:	EXTERNAL REVIEWER (Client)	DEPT.	APPROVAL	DATE	INTERNAL REVIEWER	SIGN	DATE
HCL	D.Hernandez	OPS			DRAWN S.DHANAPAL		
					REVIEWED S.T.MARBAN		
CAD SOFTWARE:					QC CHECK R.SHEYAMALA		
OrCAD V9.2					IV & V R.BALAMURUGAN		

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Title: **Lifescan USB Cable**

Doc Name: USB Communication Interface | Rev: C

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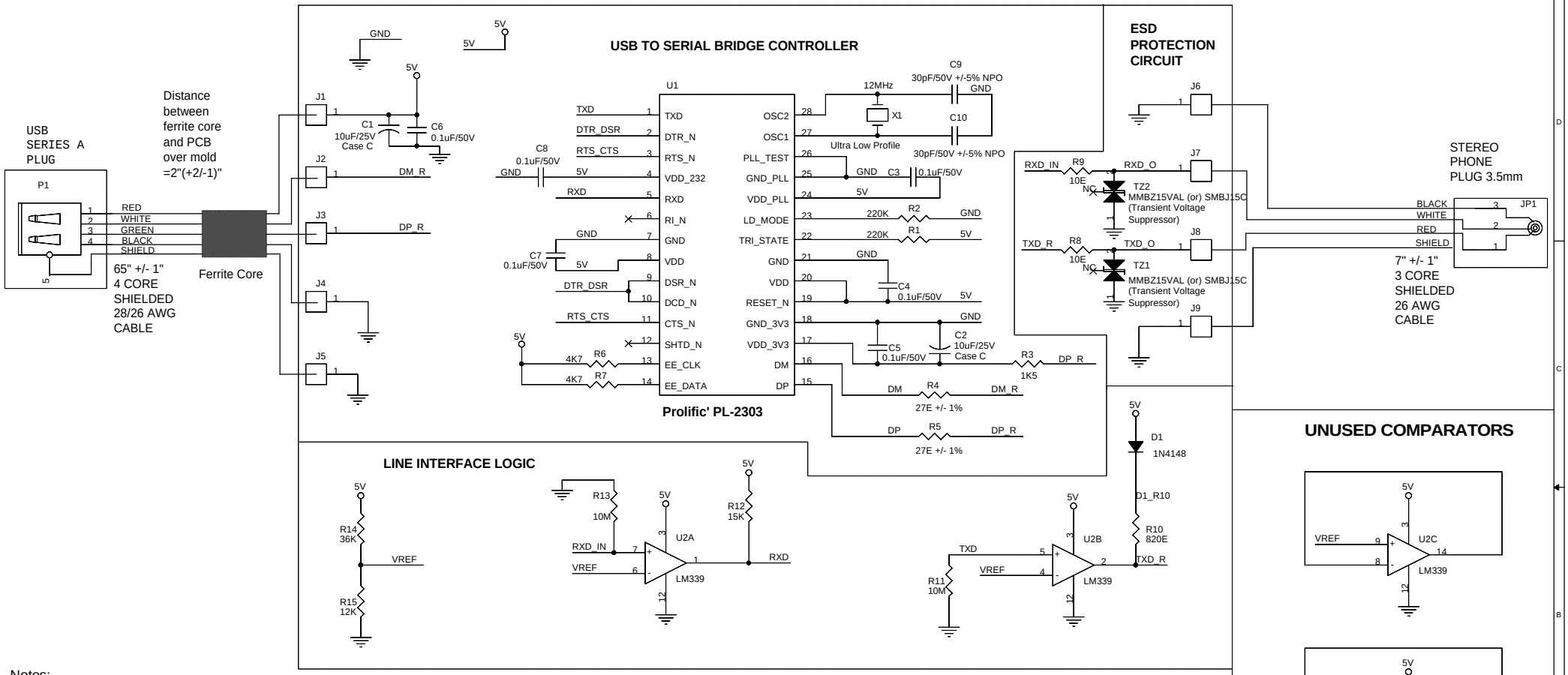

PCB LOGIC

Notes:

1. The total length of the Lifescan USB cable shall be 72" +/- 2".

2. Cable at the USB connector end shall be 4 core, wrapped by an aluminium foil, a tinned copper drain wire and an interwoven braided outer shield, with other electro-mechanical parameters compliant to USB Ver 1.1 specifications.

3. The cable between 3 pin stereo phone plug and PCB over mould is made up of 3 cores with a drain wire wrapped by an aluminium foil.

4. Unless specified, all resistors are 1/8 watt only.

5. The package of all resistors and bipolar capacitors are 0805 only.

6. Unless specified, the tolerance value of all resistors is +/- 5%.

7. Unless specified, the tolerance value of all capacitors is +/- 20%.

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