

Misc Hardware Projects - Feature #3328

Feature # 3326 (Rejected): Build a batch of Openvizsla USB LS/FS/HS protocol tracers

Check Openvizsla BOM to figure out which parts might be difficult / impossible to source

06/07/2018 08:42 PM - laforge

Status:	Closed	Start date:	06/07/2018
Priority:	Low	Due date:	
Assignee:	mschramm	% Done:	90%
Category:			
Target version:			
Description			
Let's please do a review of the Openvizsla BOM to understand whether there are any obsolete/EOL key parts (semiconductors) that might require design changes. I'm not worried about any of the passives, obviously. But FPGA, RAM, FTDI, USB PHY, ..			
I've asked a friend with Altium to export the BOM for us.			

History

#1 - 06/07/2018 08:53 PM - laforge

At least the following key parts are all still available from digikey:

- FT2232H in TQFP-64
- USB PHY
- SDRAM (166 MHz version instead of 133 MHz: MT48LC16M16A2P-6A:GCT-ND)
- EEPROM
- FPGA

Everything else looks like standard passives, so I don't expect much of a problem here.

#2 - 06/12/2018 09:55 AM - mschramm

OK, then I wait for the extracted eBOM to further investigate whether any of the passives (e.g. inductances) are critical.

#3 - 06/19/2018 07:39 PM - mschramm

- Status changed from New to In Progress

#4 - 06/20/2018 07:10 PM - mschramm

- File OpenVizsla-BOM.gnumeric added

- % Done changed from 0 to 90

Checked all parts and completed an eBOM.

- all LEDs must be revised or treated as generic parts supplied by the contract manufacturer
- two ferrites must be replaced; I'd like to see the original PCBA, looks like we should change the part to another (larger) footprint...
- the two tact switch alternatives differ in the length of the actuator, linked is a short actuator version
- as mentioned, the SDRAM ist a 166MHz type, as the 133 is obsolete and n.a.

#5 - 06/26/2018 01:28 PM - mschramm

- File deleted (*OpenVizsla-BOM.gnumeric*)

#6 - 06/26/2018 01:38 PM - mschramm

- File *OpenVizsla-BOM.gnumeric* added

Updated eBOM with Digikey part numbers (for easier DK upload).

Digikey used to take part numbers containing a colon or a slash ("MT48LC16M16A2P-6A:GCT-ND" or "LM3670MF-1.2/NOPBCT-ND") which is very useful when their own BOM manager does not understand this... 8/

#7 - 10/14/2018 11:36 PM - mschramm

- Status changed from *In Progress* to *Stalled*

#8 - 01/12/2019 08:59 PM - laforge

- Status changed from *Stalled* to *Closed*

closing the ticket as a sizeable number of surplus OpenVizsla boards have just surfaced.

Files

OpenVizsla-BOM.gnumeric	97.2 KB	06/26/2018	mschramm
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