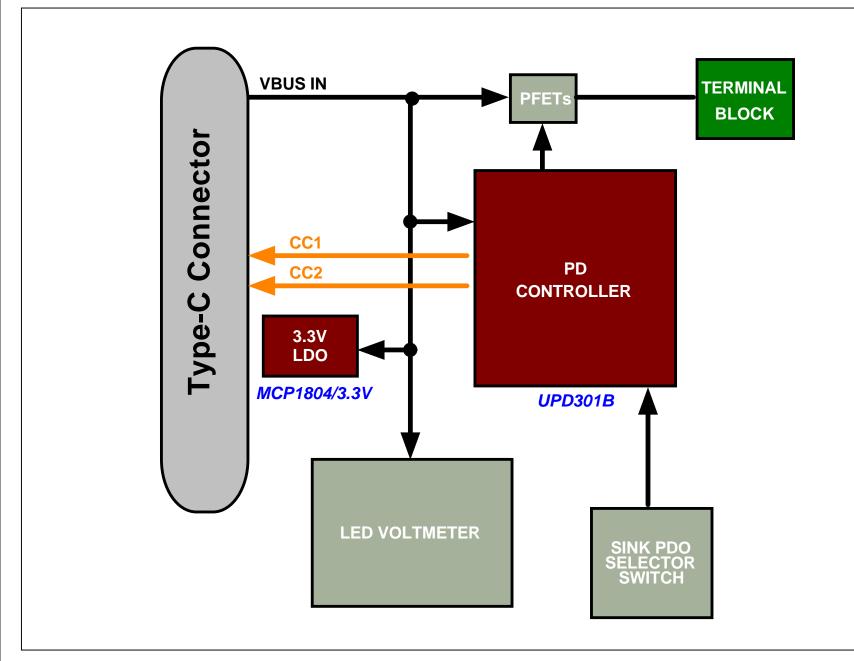
UPD301C Basic Sink Application Example

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Revision History			
Revision Date	Revision Summary	Author	
A00 10/5/2020 R 1.0 02/14/2020	Release for Schematic Review Release for DevTools	Shiva Balasubramanian Mick Davis	



Note	S
01	All resistors to have +/- 1% tolerance unless marked otherwise

Pin	Source	Config	Net Name	Description	
1	SAMD20 PA28	Output: Push/Pull	n/a	Unused. Always Drive Low.	
11	SAMD20 PA01	Output: Push/Pull Active High	1.5A_IND	STANDARD PSF PIN ROLE (Unused) Asserts if detected/ negotiated current is 1.5A or more.	
12	SAMD20 PA02	Output: DAC	DAC_I	STANDARD PSF PIN ROLE Scaled linear DAC Output. Indicate the negotiated PD sink current leve	
13	SAMD20 PA03	Output: Push/Pull	n/a	Unused. Always Drive Low.	
17	SAMD20 PA04	Input: ADC	PDO_SEL	Application defined pin role used select desired Sink capability PDC	
18	SAMD20 PA05	Input: ADC	I_SENSE	Application defined pin role used t detect actual current measurement as signaled by current sense amp	
26	UPD350 PIO2	Output: Push/Pull Active High	ORIENTATION	STANDARD PSF PIN ROLE Asserts if CC is detected on CC2	
30	SAMD20 PA15	Output: Push/Pull Active High	3.0A_IND	STANDARD PSF PIN ROLE (Unused) Asserts if detected/ negotiated current is 3.0A or more.	
36	SAMD20 PA22	Output: Open Drain Active High	EN_SNK	STANDARD PSF PIN ROLE Asserts if VBUS voltage is in vSafe5V or at negotiated voltage	
37	SAMD20 PA23	Output: Open Drain Active Low	CAP_MIS- MATCH	STANDARD PSF PIN ROLE Asserts if PD Sink Negotiation is successful but mismatched.	
38	UPD350 PIO8	Output: Push/Pull Active High	VBUS_DIS	STANDARD PSF PIN ROLE Asserts after USB detach or fault condition for fast VBUS discharge	
39	UPD350 PIO9	Input: Active Low	FAULT_IN_N	STANDARD PSF PIN ROLE (Unused) Digital input which can used to indicate a fault to UPD301	

Drawn By: Mick Davis		M°.	Micho	
Engineer: Mick Davi	s	MICROCHIP		
PartNumber:		Vari		
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