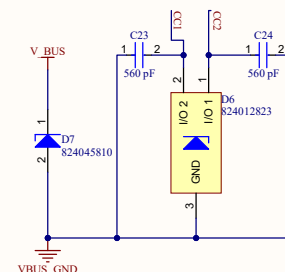
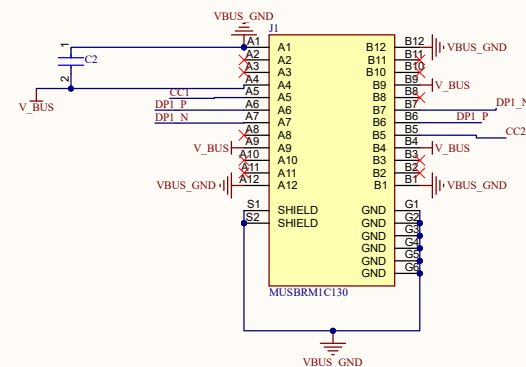


USB C PROTECTION




USB C CONN



CURRENT SENSE

22R USB PD OVER CC

The output current is sensed by monitoring the voltage drop across resistor R20. The current measurement is filtered with decoupling capacitor C21 and resistor R19, and it is monitored across the IS and SECONDARY GROUND pins. An internal current sense threshold which is configured via the firmware up to approximately 32 mV is used. Once the threshold is exceeded, the InnoSwitch3-PD IC U1 regulates the number of switch pulses to maintain a fixed output current.

APPROVALS		DATE	PROJECT			D
ENG:	*	*/-/-/	*			
DSN:		*/-/-/				
CHK:		*/-/-/				
REFERENCE DOCUMENTS			PROJECT REVISION		DOCUMENT REVISION	DESIGN ITEM
BOM:			TITLE		65ab42cb0747643f86c69e6194a6eead0e9f	
* <BOM DOC NO>			* <SCH DWG NO>			
ASSY DWG: <ASSY DWG NO>			SIZE	CAGE CODE	DWG NO.	REV
FAB DWG: <FAB DWG NO>			A3	?????		
PCB DWG: <PCB DWG NO>			SCALE:	FILE NAME	FLYBACK SchDoc	SHEET 3 OF 4

<small>DRAWING</small> 6			
<ASSY DWG NO>			
	REVISION	DESCRIPTION	DATE APPROVED

