

DWG NO		SH	8	
Spectre		1		
REVISION HISTORY				
REV	DESCRIPTION		DATE	APPROVED
A	-		08/10/21	11/07/21
-	-		-	-
-	-		-	-

1. INTERPRET PER ASME Y14.100M.

2. PART NUMBERS SHOWN ARE FOR REFERENCE ONLY.

3. INFORMATION IN PARENTHESIS IS FOR REFERENCE ONLY.

4. UNLESS OTHERWISE SPECIFIED,

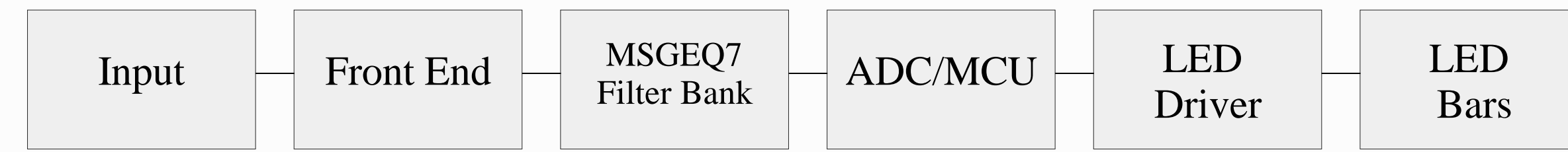
A. RESISTOR VALUES ARE IN OHMS.


B. CAPACITOR VALUES ARE IN MICROFARADS.

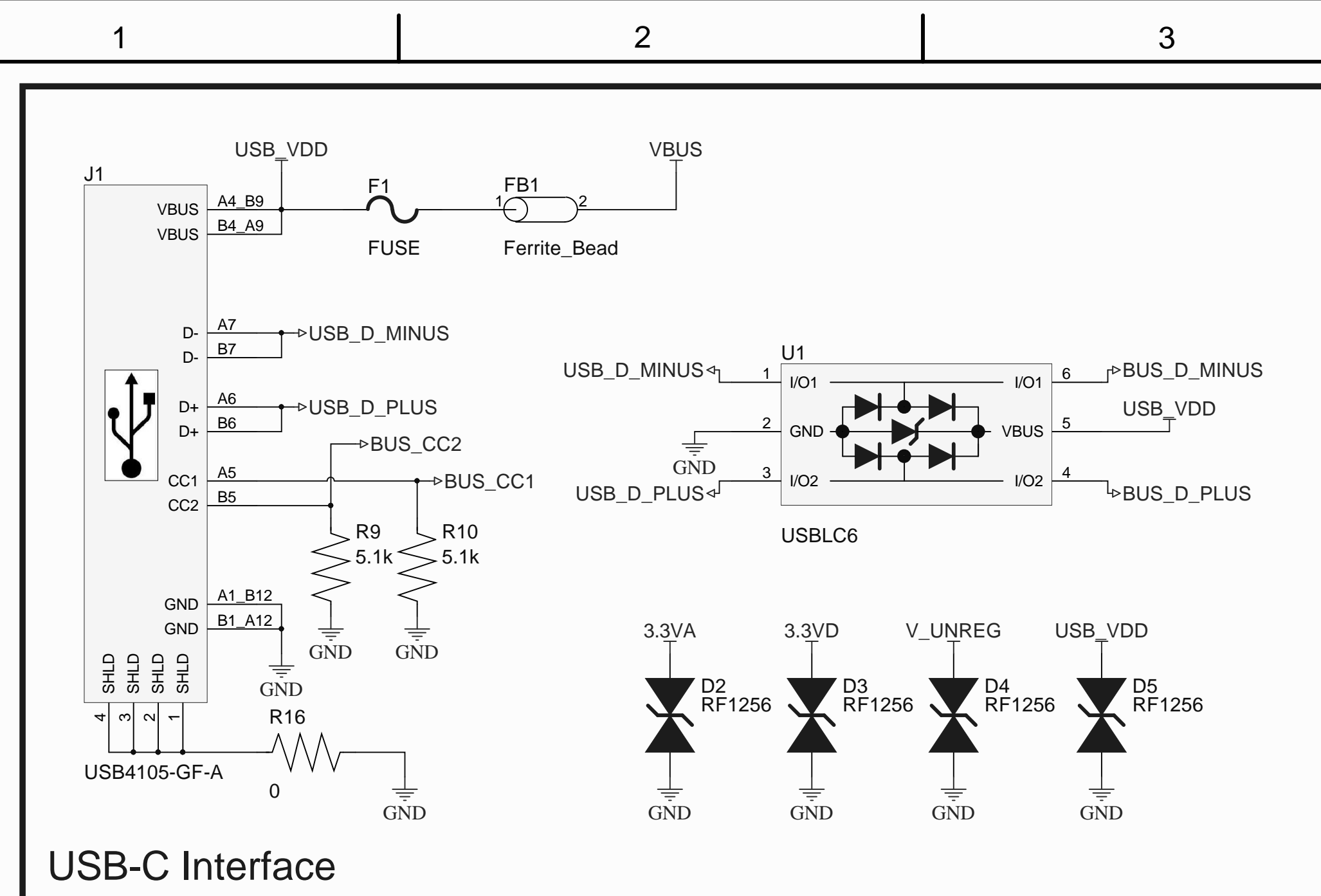
C. INDUCTOR VALUES ARE IN MICROHENRIES.

5. FOR SEPARATE PARTS LIST, SEE

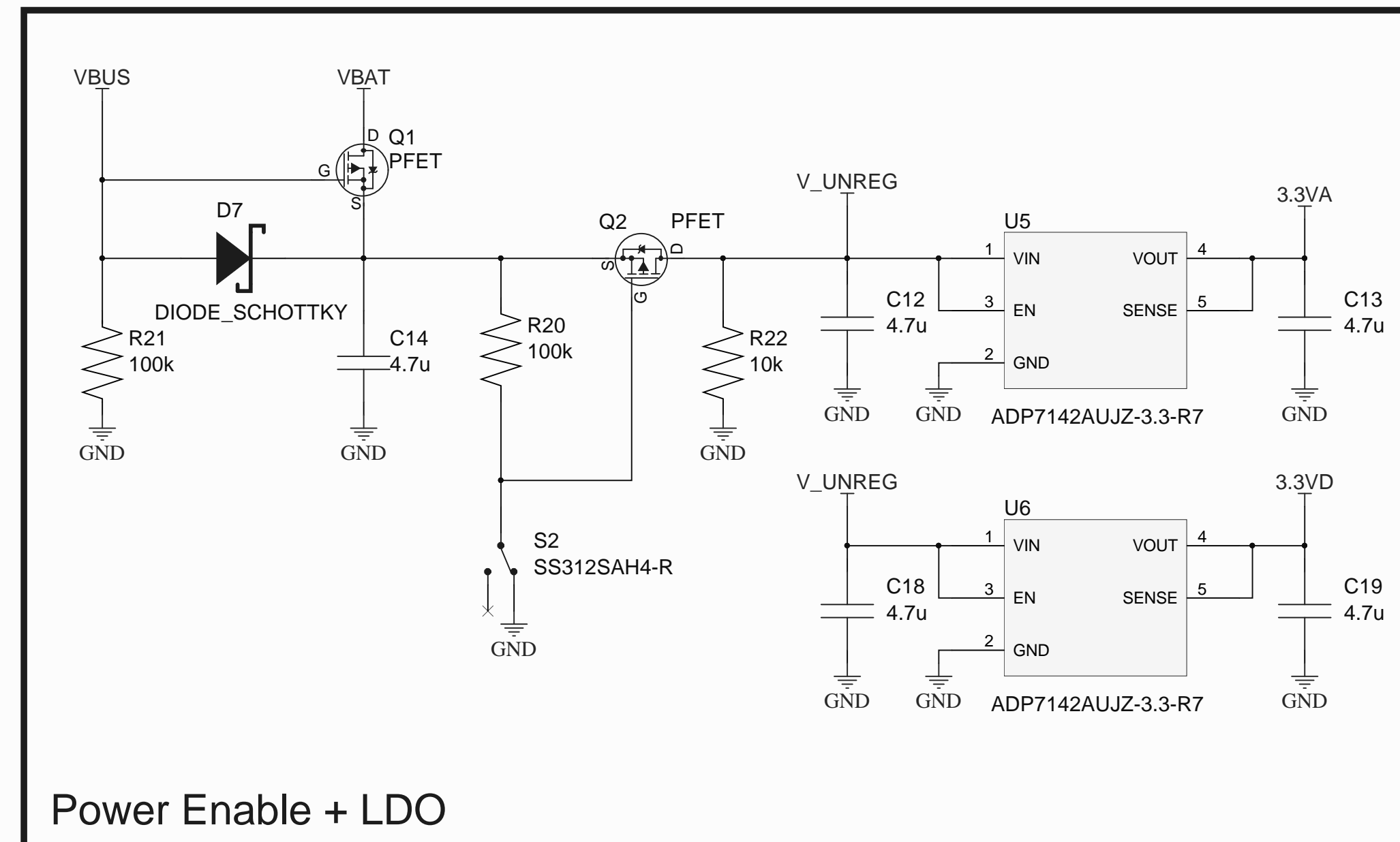
Spectre-BOM\_( B ).xlsx



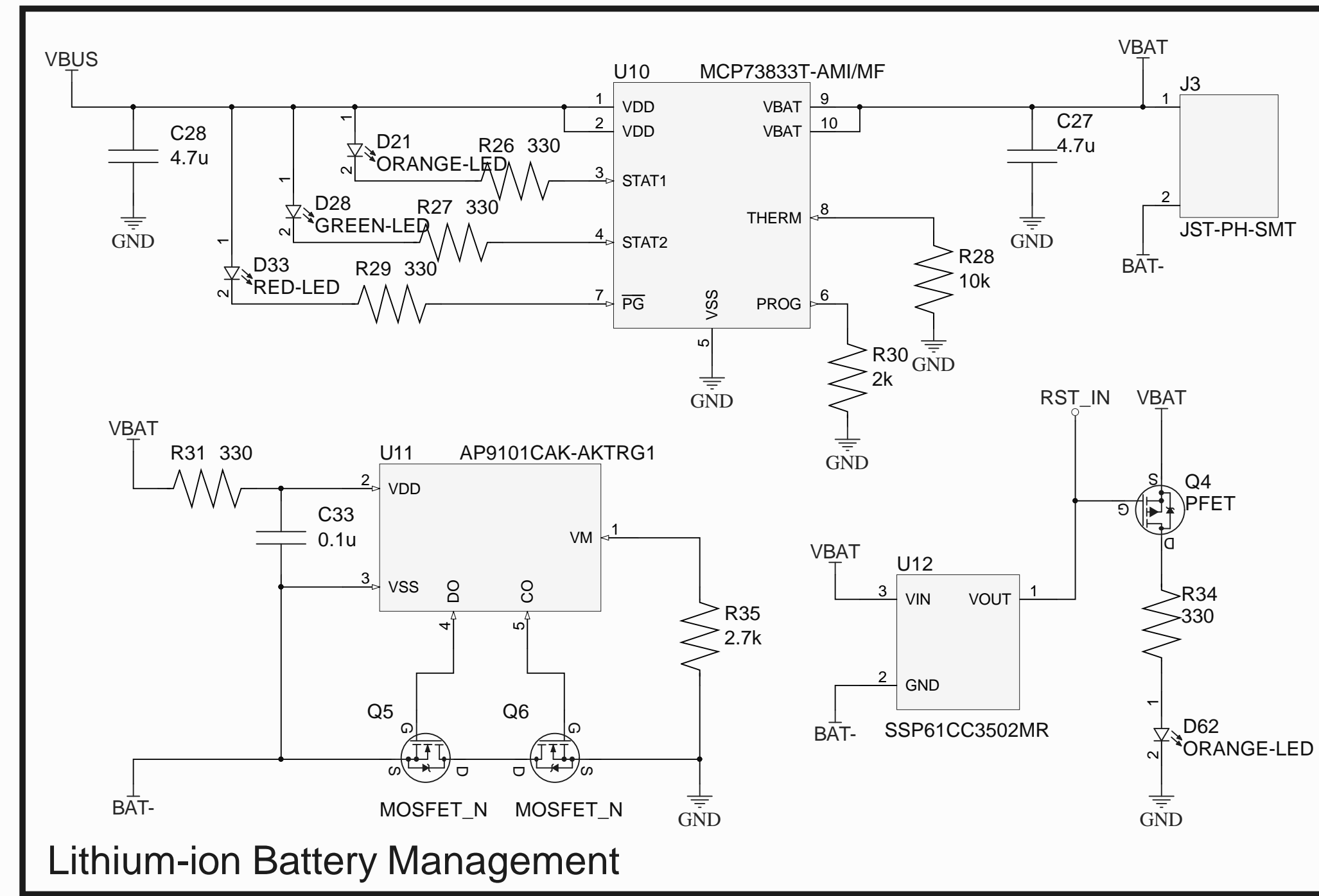
MATERIAL:	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN	HFTG X KIDD -	01/08/22	TITLE:	SCHEMATIC, CCA, Spectre Audio Spectrum Analyzer
	TOLERANCES: X +/- 0.1 XX +/- 0.01 XXX +/- 0.001	ENG X KIDD - MECH - MFG -			
THIRD ANGLE PROJECTION 	ALL SHEETS ARE THE SAME REVISION STATUS			SIZE D DRAWING NUMBER Spectre	REV B
		SCALE N/A		SHEET 1 OF 2	



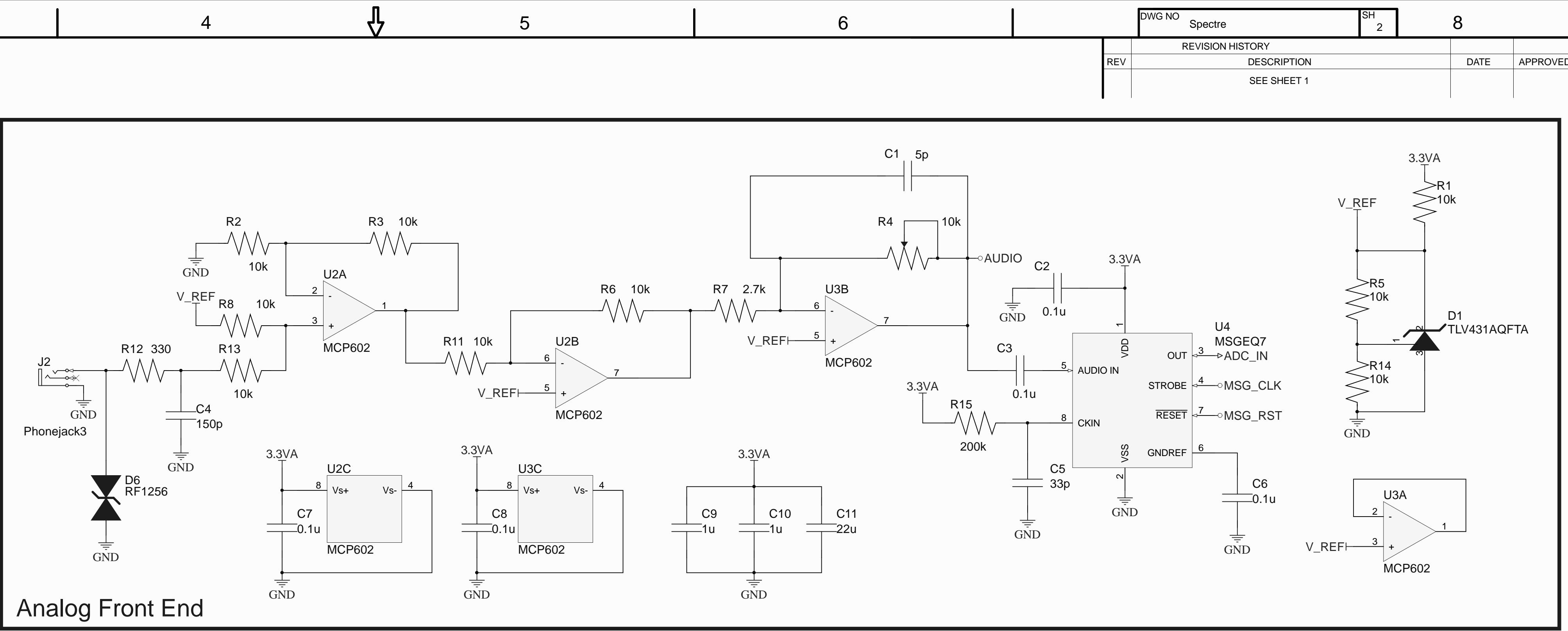
USB-C Interface



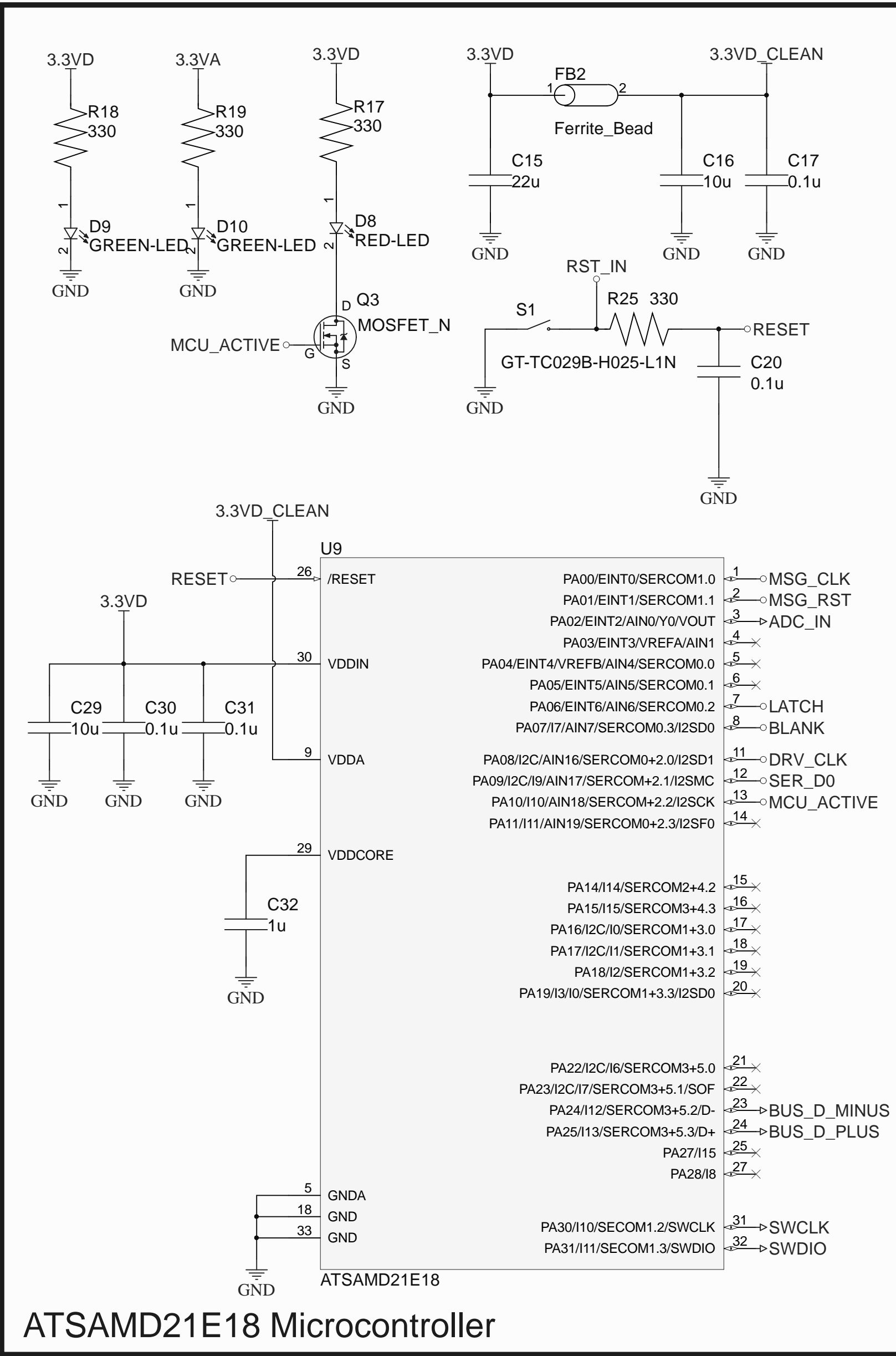
## Power Enable + LDO



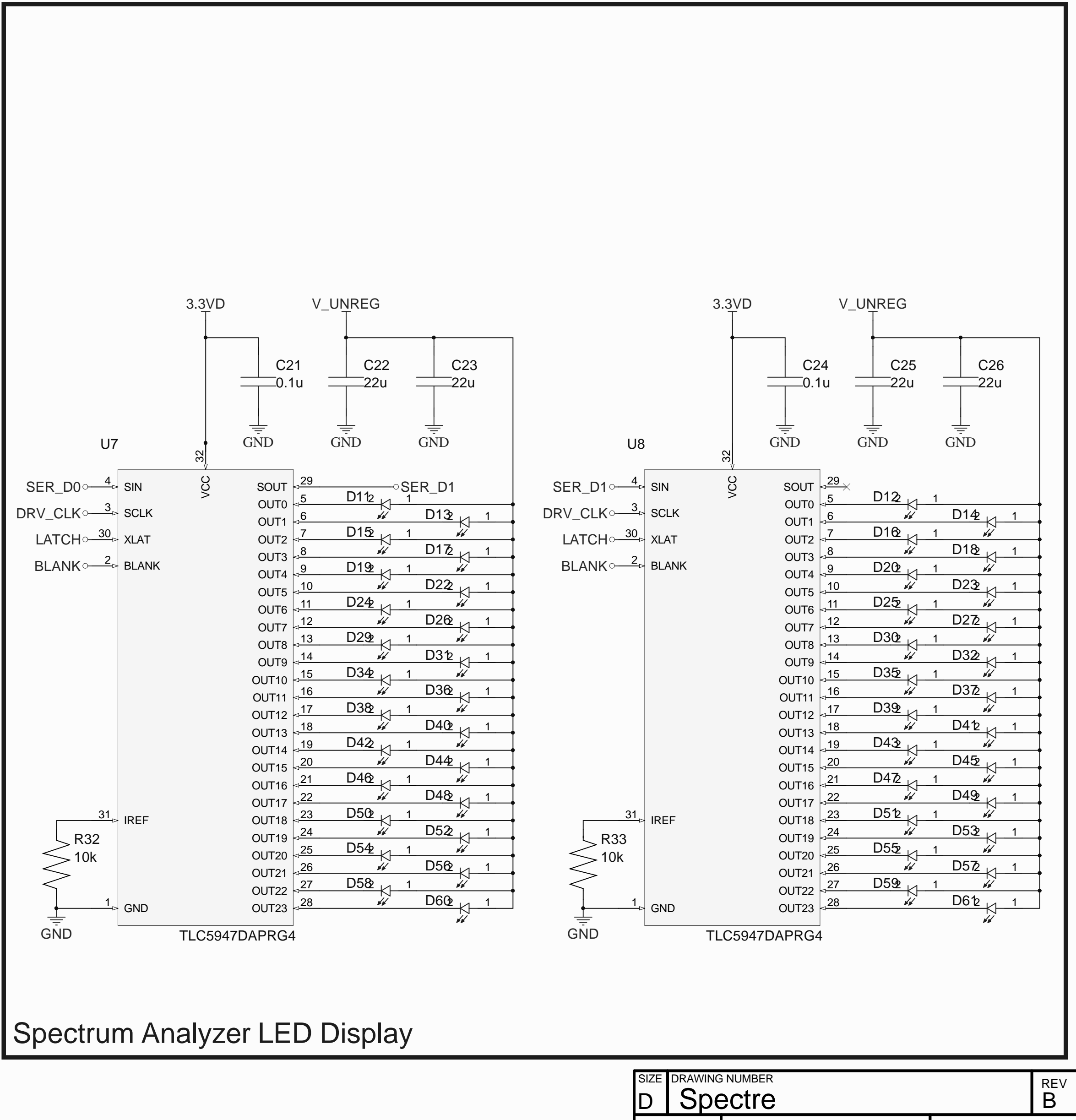
## Lithium-ion Battery Management



## Analog Front End



# ATSAMD21E18 Microcontroller



## Spectrum Analyzer LED Display

D/WG NO		Spectre		SH	2	8
REVISION HISTORY						
REV	DESCRIPTION				DATE	APPROVED
	SEE SHEET 1					

SIZE	DRAWING NUMBER	REV
D	Spectre	B
SCALE	SHEET 2 OF 2	