

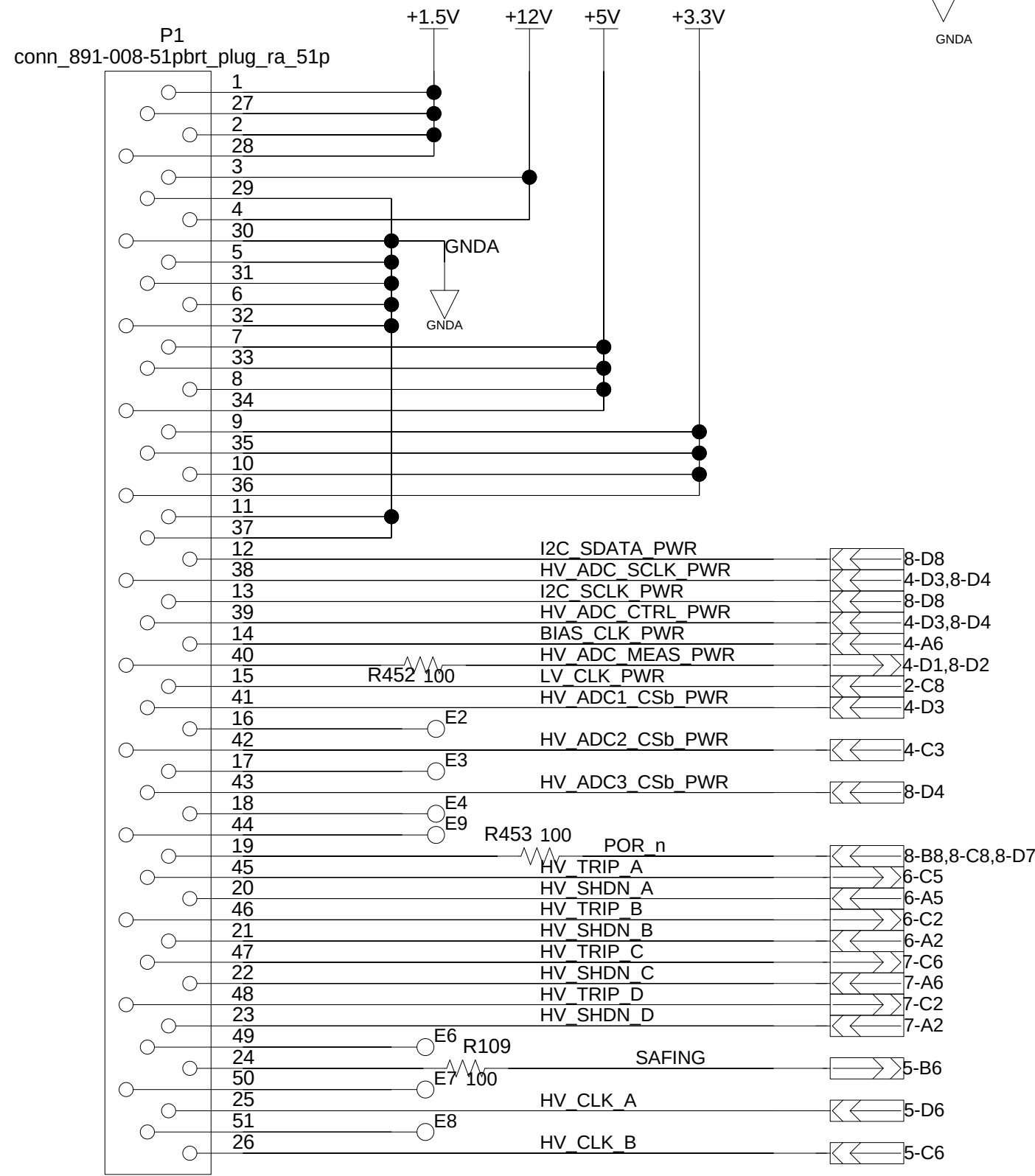
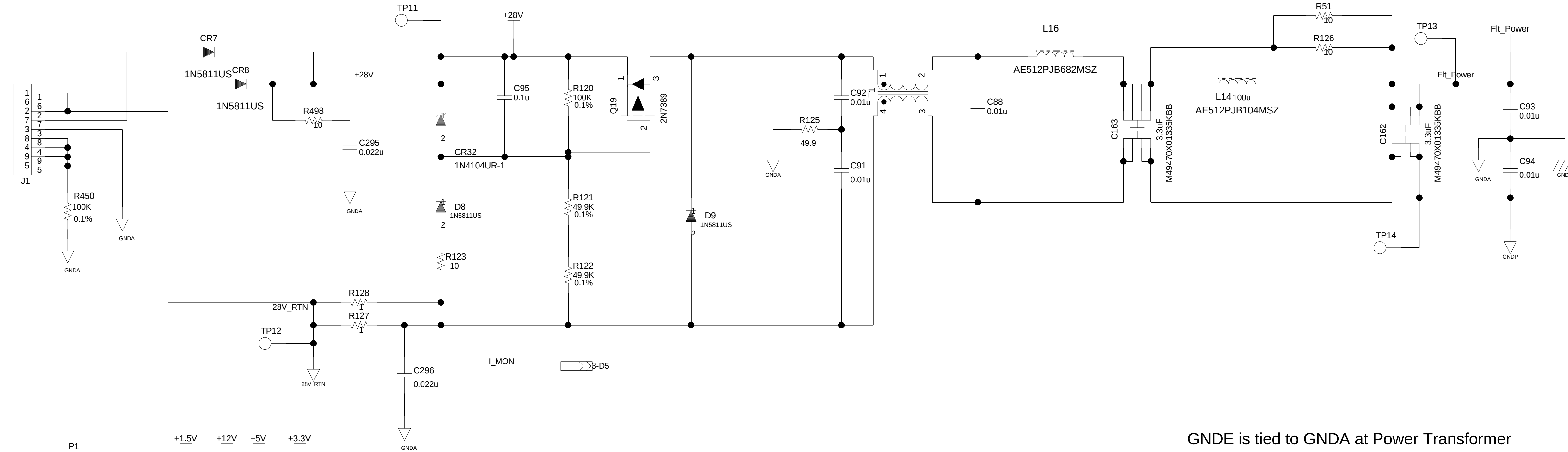
NOTES: _

1. WHERE APPLICABLE, UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCES ARE IN OHMS
ALL CAPACITANCES ARE IN FARADS
ALL VOLTAGES ARE DC
THE SYMBOL _ REPRESENTS A SPACE
2. THE FOLLOWING ARE THE LAST REF DESIGNATIONS USED:
C?, CR?, J?, K?, Q?, R?, U?
3. THE FOLLOWING ARE UNUSED REF DESIGNATIONS:
NONE
4. DNI = DO NOT INSTALL

THIS DOCUMENT CONTAINS INFORMATION THAT IS SUBJECT TO THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PT. 120 ET SEQ.) OR THE EXPORT ADMINISTRATION REGULATIONS (15CFR PT. 730 ET SEQ.) EXPORT, INCLUDING DISCLOSURE TO FOREIGN PERSONS IN THE UNITED STATES, WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.

In-Rush Current Limiter

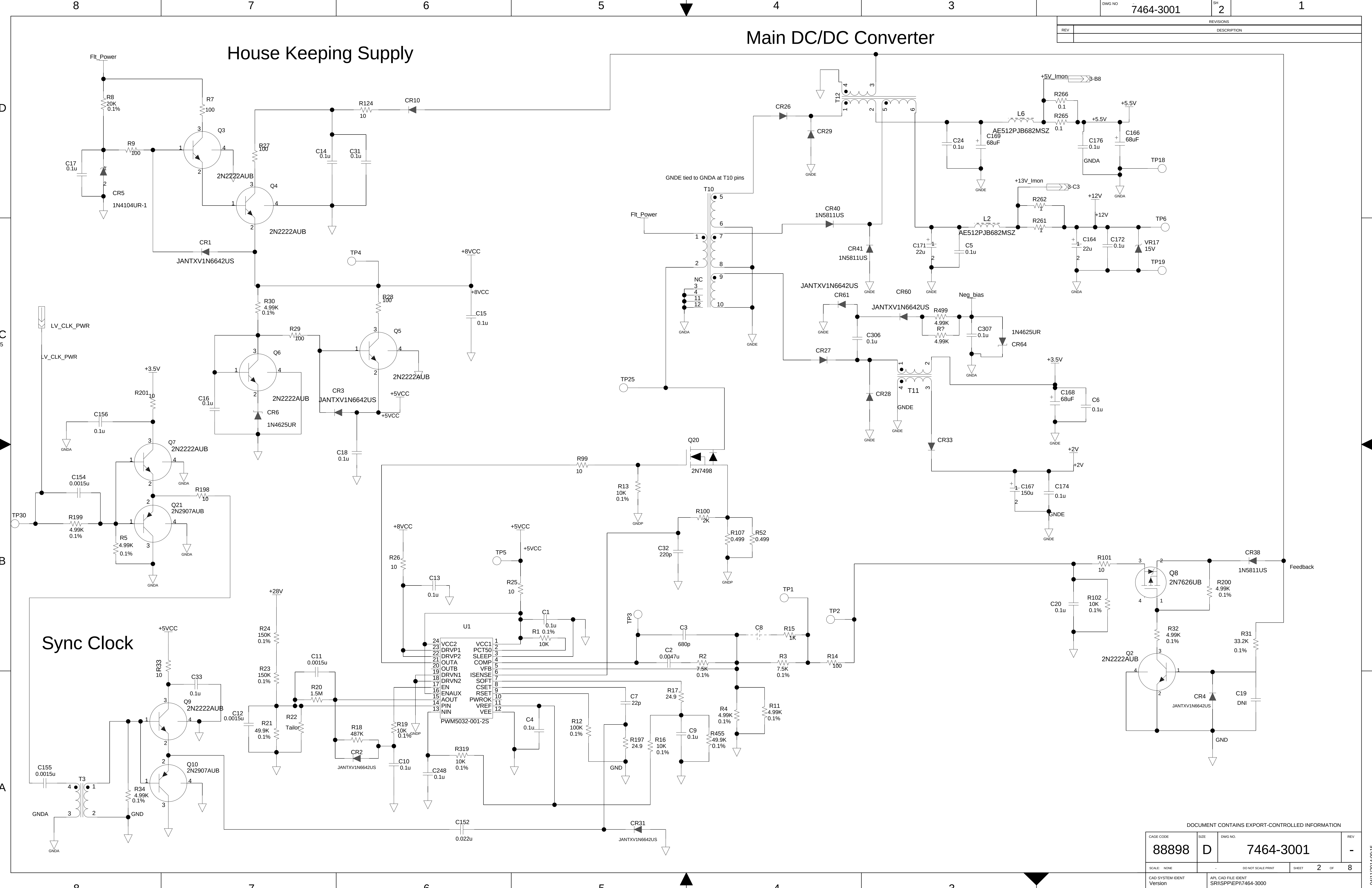
EMI Filter



GNDE is tied to GNDa at Power Transformer
GNDA is Chassis Ground
GNDP is tied to GND at U1 pin 18

BASIC		ITEM NO.	DWG SIZE	PRINT OR IDENTIFYING NUMBER		CIRCUIT SYMBOL OR ZONE	NOMENCLATURE OR DESCRIPTION		STOCK SIZE	MATERIAL AND/OR MATERIAL SPECIFICATION		CAGE CODE	REV
QTY/ASSY													
PARTS LIST													
									THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY JOHNS HOPKINS ROAD LAUREL, MD 20723-6099				
									SPP EPI POWER BOARD SCHEMATICS				
7464-3001	D	7464-3000	1	7464					CAGE CODE	SIZE	DWG NO.		REV
PART NUMBER	SIZE	NEXT ASSEMBLY	QTY/NA	USED ON	EFFECTIVITY END ITEM SER. NO.	WEIGHT			88898	D	7464-3001		-
SURFACE TREATMENT (BEFORE ASSY)						SURFACE ROUGHNESS			SCALE: NONE		DO NOT SCALE PRINT		SHEET 1 OF 8
3									CAD SYSTEM IDENT Version		APL CAD FILE IDENT SRISPP/EPI/7464-3000		

LAST REF DES		UNUSED REF DES
CR64	R528	C70-C87, C89, C90, C96-C131
C322	TP81	C134-C151, C157, C159-C161,
D9	T13	C165, C170, C173, C175,
E9	U91	C202-C205, C220, C230-C239,
J11	VR22	C243, C252, C260, D6-D7, E1,
L24		E5, J6, J7, L1, L4, L5, L7-L13,
Q37		L15, L17-L23, R305-R317,
		R329-R370, R429, TP46-TP68,
		T2, T4-T9, U2, U10, U14-U70,
		U73, U74, U81-U83, U85, VR14



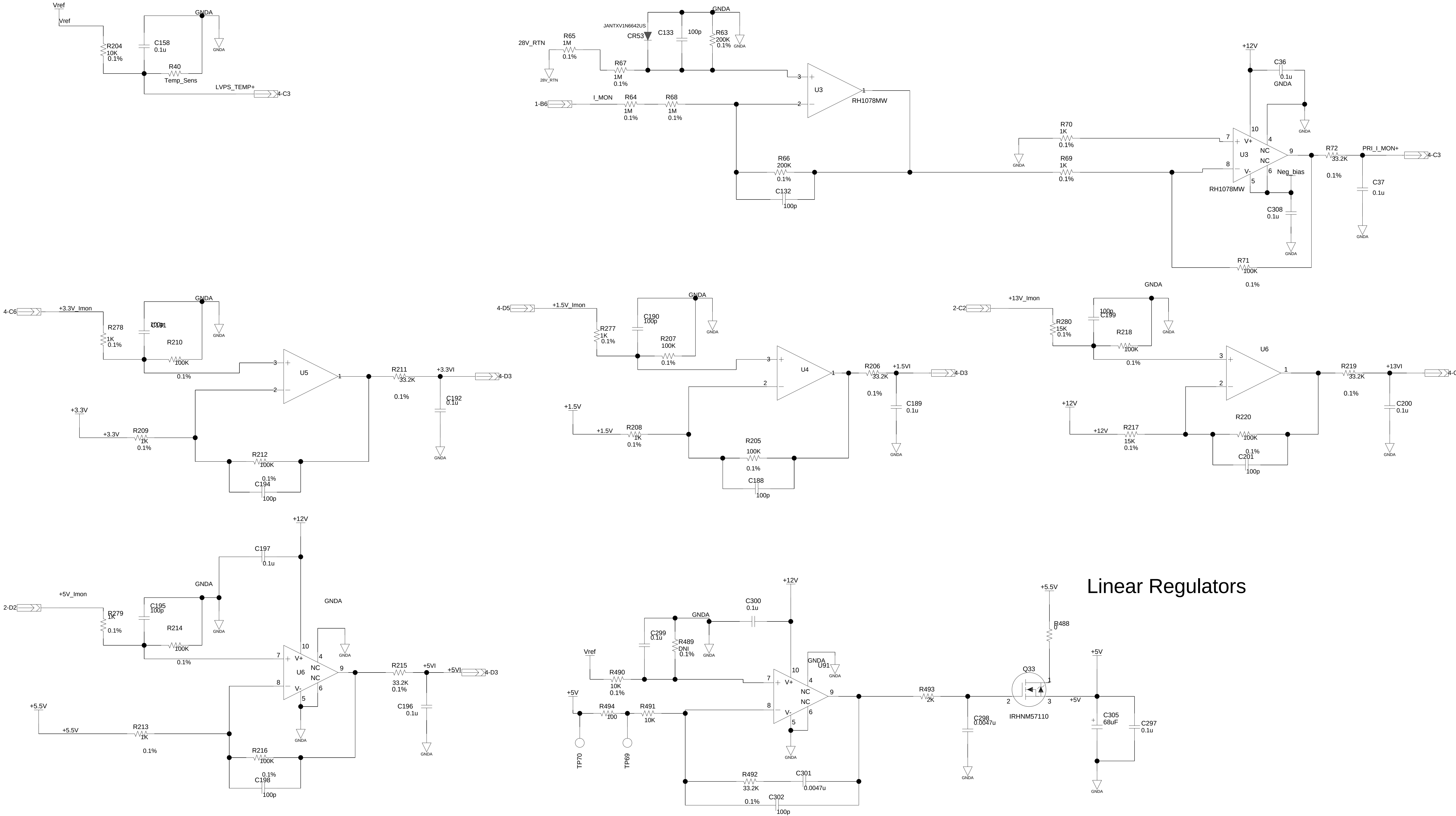
DWG NO		7464-3001	SH	2	1
REVISIONS					
REV		DESCRIPTION			

DOCUMENT CONTAINS EXPORT-CONTROLLED INFORMATION					
CAGE CODE	SIZE	DWG NO.	REV		
88898	D	7464-3001	-		
SCALE: NONE		DO NOT SCALE PRINT		SHEET	2 OF 8
CAD SYSTEM IDENT		APL CAD FILE IDENT			
Version		SRISPPLEPN7464-3000			

04/11/2014 09:15

DWG NO		7464-3001	SH	3	1
REVISIONS					
REV	DESCRIPTION				

Current Telemetry



Linear Regulators

DOCUMENT CONTAINS EXPORT-CONTROLLED INFORMATION					
CAGE CODE	SIZE	DWG NO.	REV		
88898	D	7464-3001	-		
SCALE: NONE	DO NOT SCALE PRINT		SHEET	3	OF 8
CAD SYSTEM IDENT	Version				
APL CAD FILE IDENT	SRISPPLEPN7464-3000				

22/10/2014 11:23

D

C

B

A

D

C

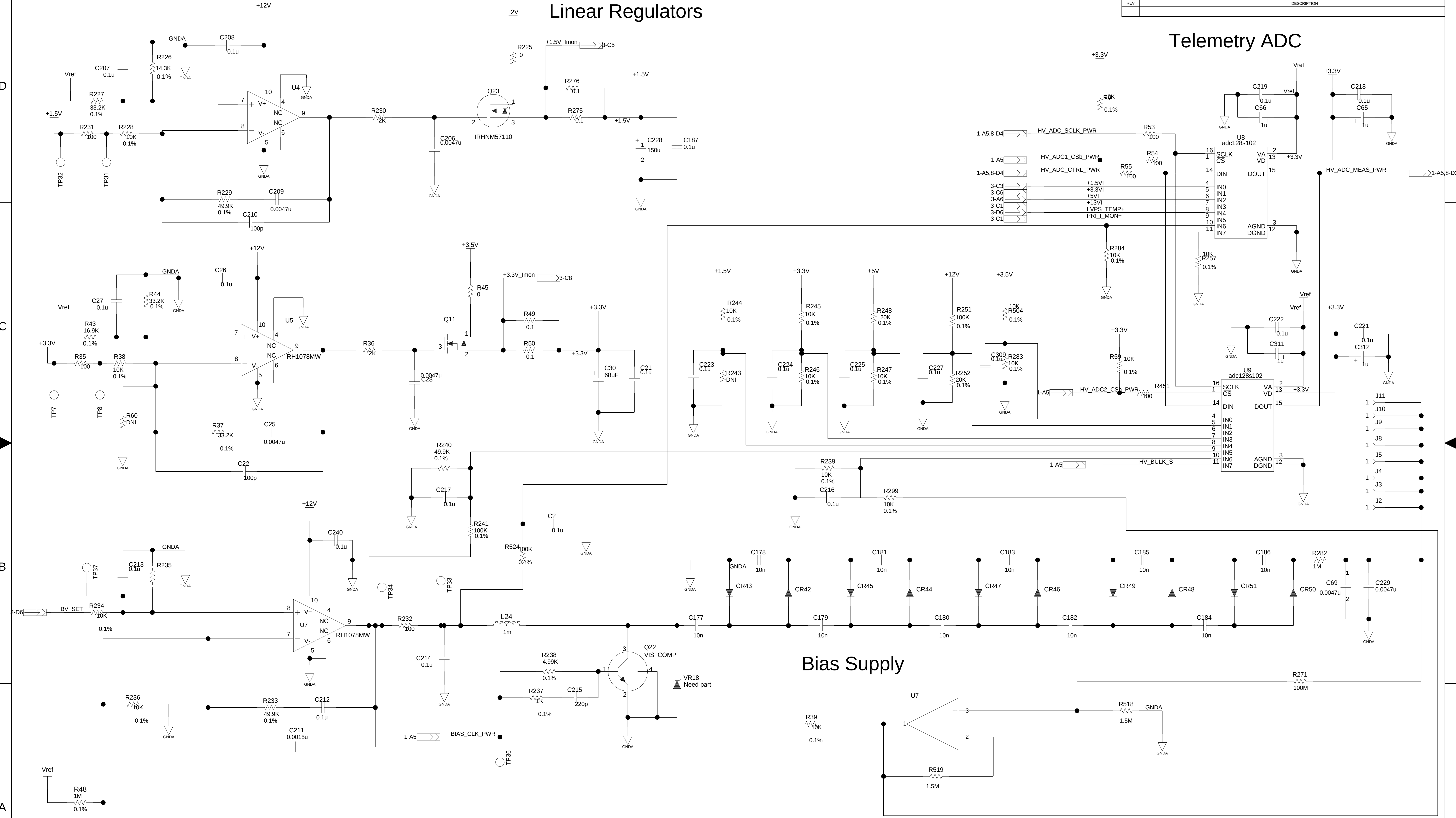
B

A

Linear Regulators

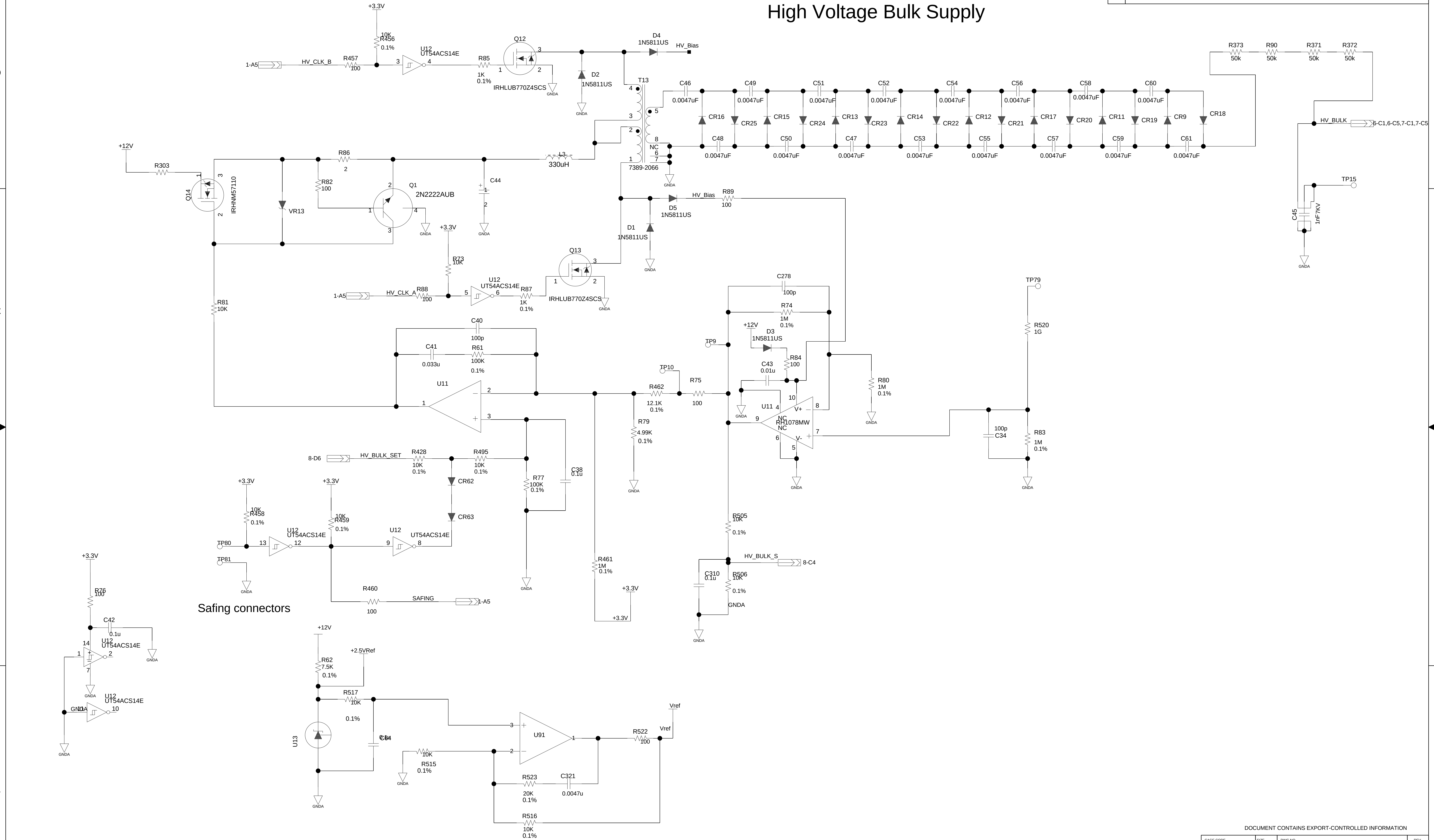
Telemetry ADC

Bias Supply



DWG NO 7464-3001		SH 5	1
REVISIONS			
REV	DESCRIPTION		

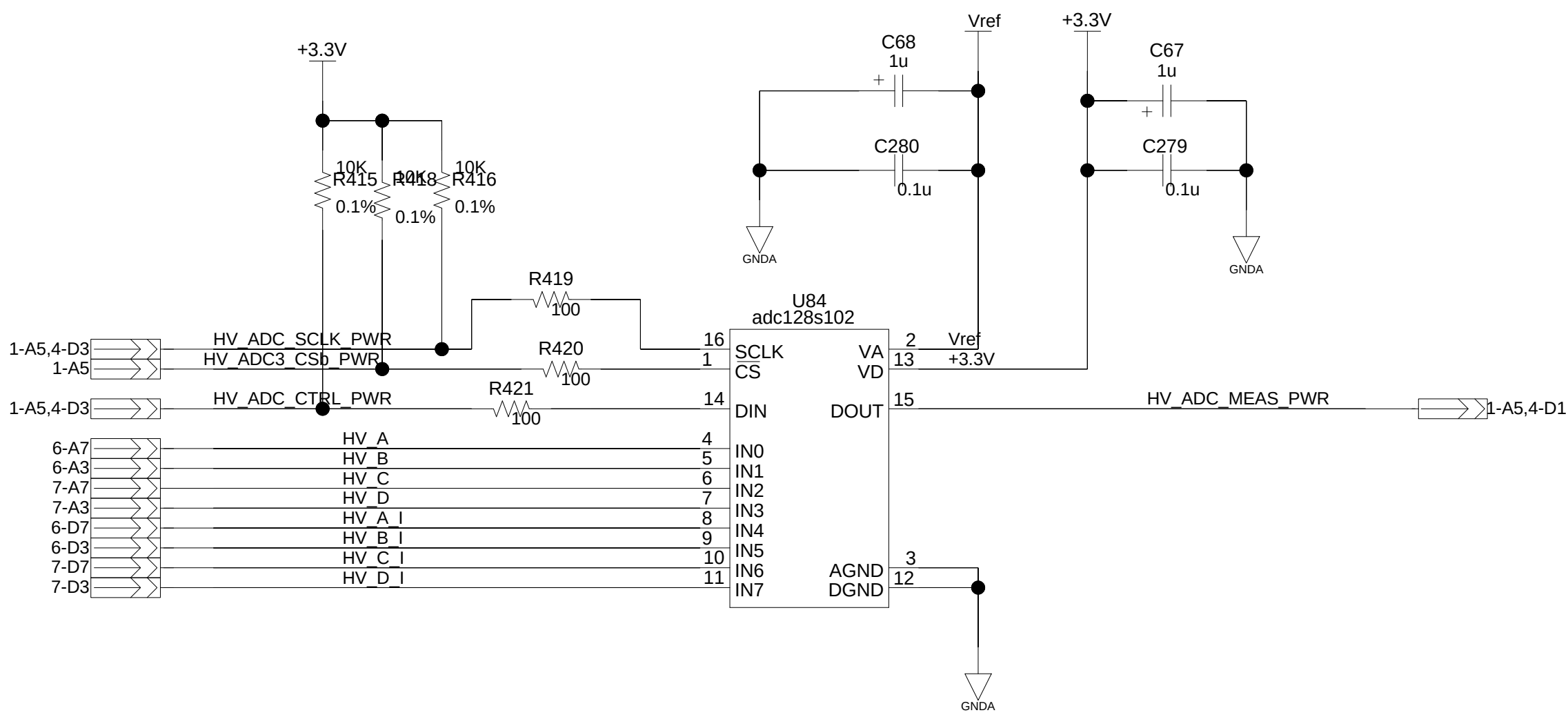
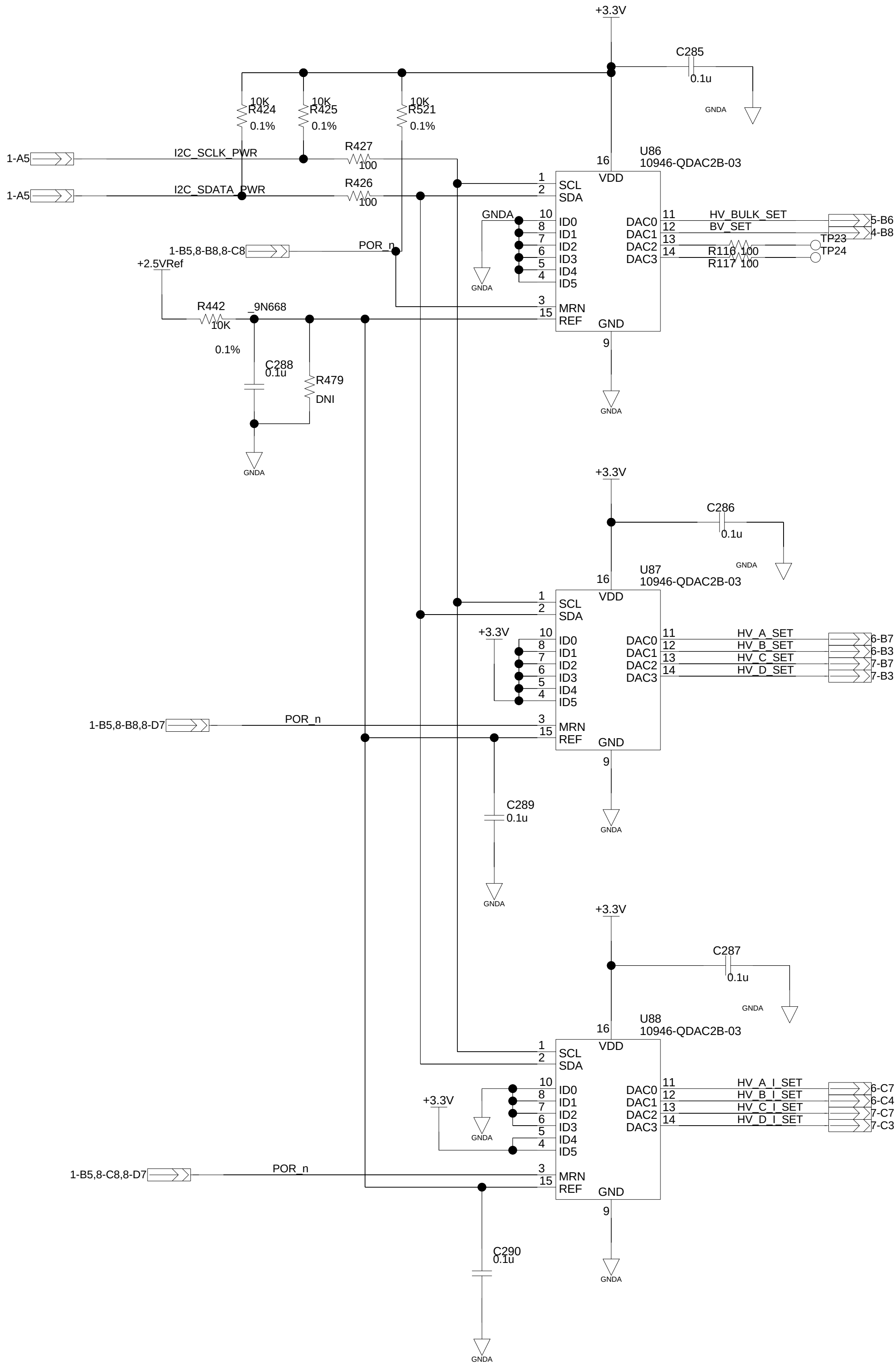
High Voltage Bulk Supply



DOCUMENT CONTAINS EXPORT-CONTROLLED INFORMATION			
CAGE CODE	SIZE	DWG NO.	REV
88898	D	7464-3001	-
SCALE: NONE	DO NOT SCALE PRINT		SHEET 5 OF 8
CAD SYSTEM IDENT	APL CAD FILE IDENT		
Version	SRISPPLEPI7464-3000		

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HV DAC & ADC



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