

		REVISIONS			
REV	ECO	DESCRIPTION	DRN BY	ENGR.	DATE
A	2018650	STATUS A RELEASE	B. BOYLE	B. BOYLE	5/4/09
B	E-020729	ROHS UPDATE	WILCOX	MERHAR	07/24/12

4535 670 84482

COMMON GANTRY MOTION PROCESSOR

SCHEMATIC

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INTERPERT DWG
ANSI Y32.2 M-1975

PHILIPS HEALTHCARE (CLEVELAND), INC.
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NAME _____

**SCHEMATIC
GANTRY MOTION PROCESSOR
BOARD, COMMON**

DO NOT SCALE		D	4535 670 84482	SEE VOP
DWG. SCALE	NONE			
TOOL:	VIEWDRAW			
			SHEET 1 OF 21	REV

CPM CONNECTIONS AND INTERFACE

DWG. NO.		4535 670 84482		SH	2				1
REVISIONS									
REV	ECO	DESCRIPTION				DRN BY		ENGR.	DATE
B	E-020729	ROHS UPDATE				WILCOX		MERHAR	07/24/12

BASEBOARD I.D.	
	GANTRY MOTION PROCESSOR ID=5
R105	INSTALLED
R279	NOT INSTALLED
R280	NOT INSTALLED

D

C

B

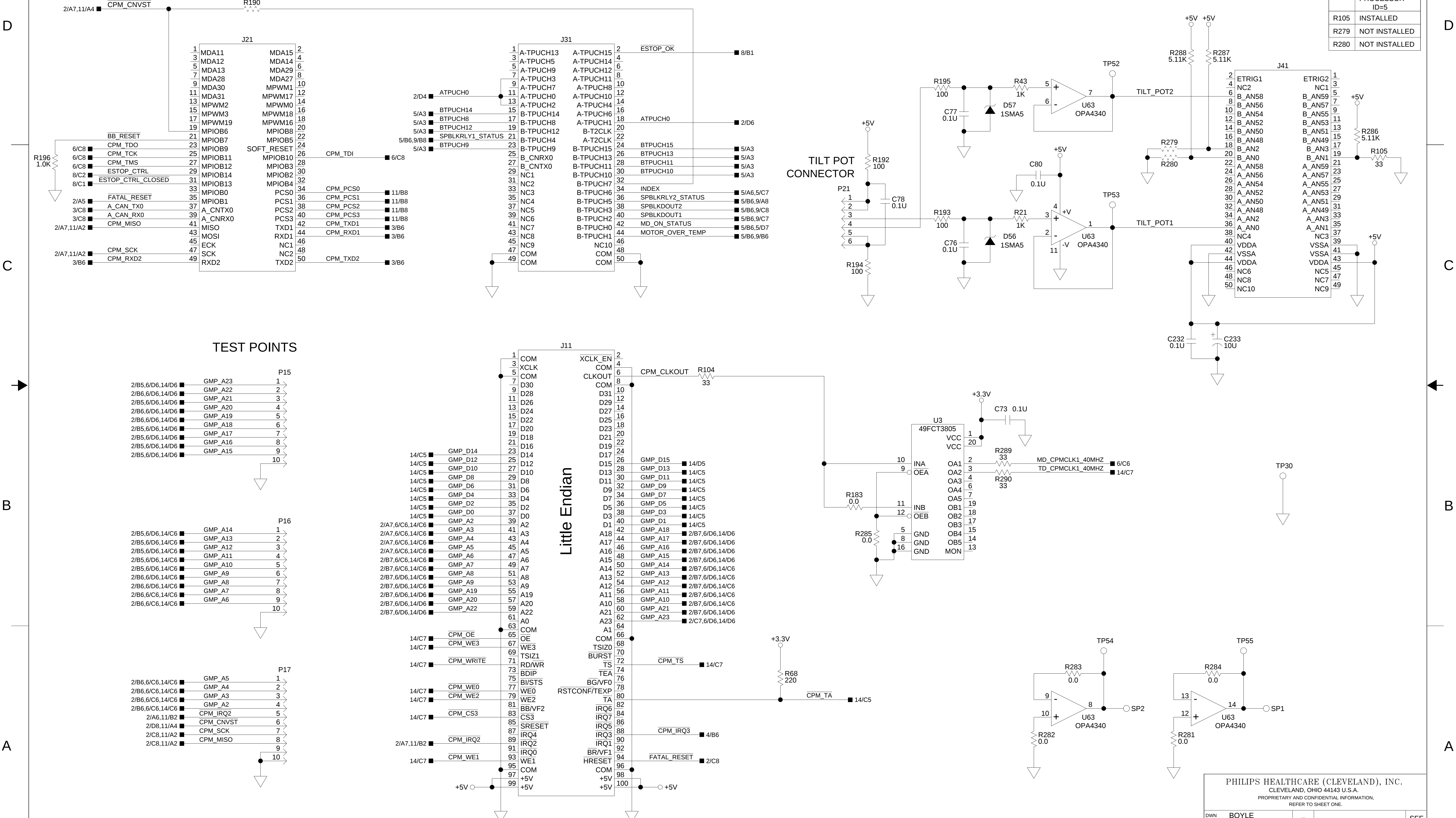
A

D

C

B

A



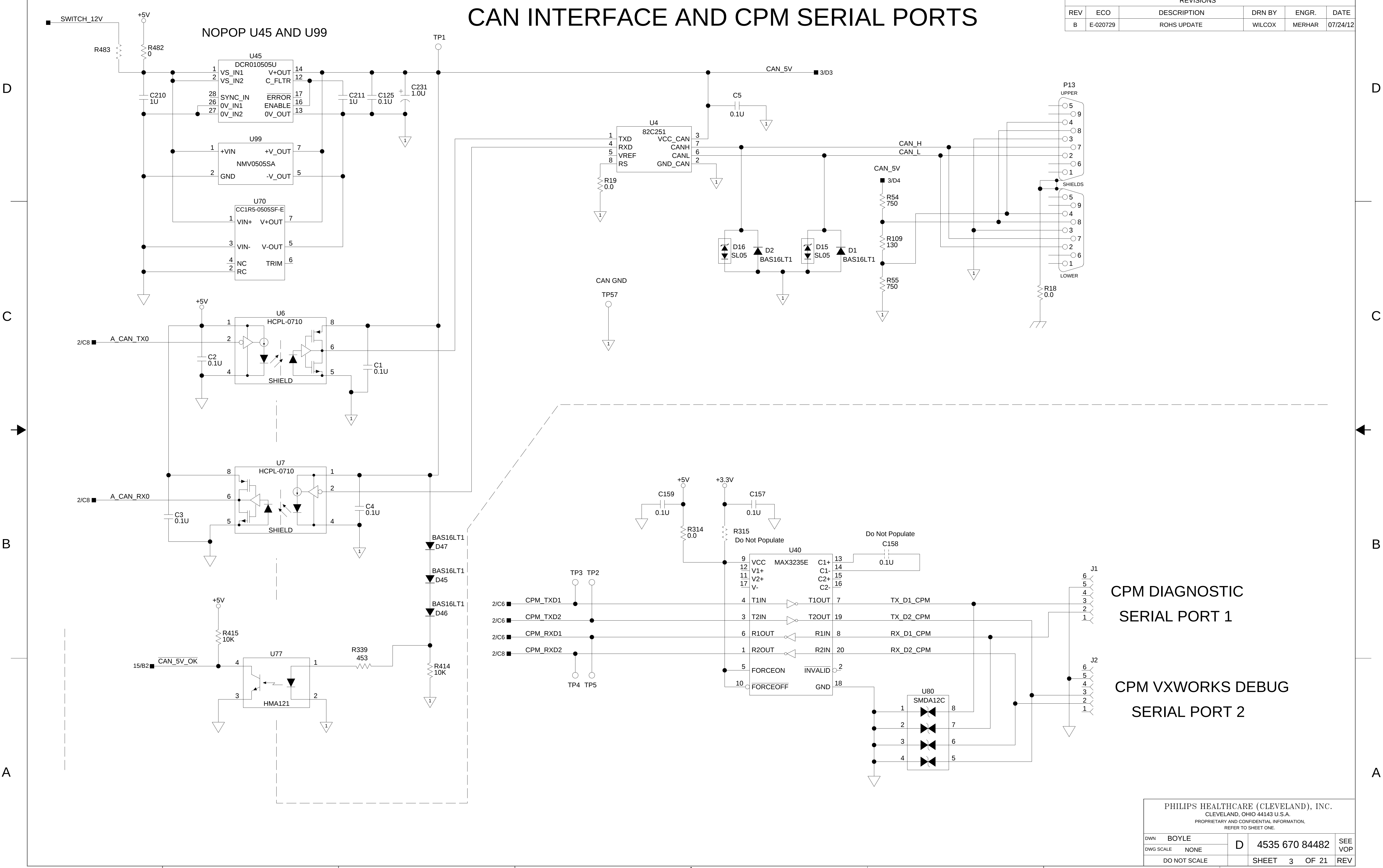
TEST POINTS

P15	
2/B5,6/D6,14/D6	GMP_A23
2/B6,6/D6,14/D6	GMP_A22
2/B5,6/D6,14/D6	GMP_A21
2/B5,6/D6,14/D6	GMP_A20
2/B6,6/D6,14/D6	GMP_A19
2/B6,6/D6,14/D6	GMP_A18
2/B5,6/D6,14/D6	GMP_A17
2/B5,6/D6,14/D6	GMP_A16
2/B5,6/D6,14/D6	GMP_A15
2/B5,6/D6,14/D6	GMP_A14
2/B5,6/D6,14/D6	GMP_A13
2/B5,6/D6,14/D6	GMP_A12
2/B5,6/D6,14/D6	GMP_A11
2/B5,6/D6,14/D6	GMP_A10
2/B5,6/D6,14/D6	GMP_A9
2/B6,6/D6,14/D6	GMP_A8
2/B6,6/D6,14/D6	GMP_A7
2/B6,6/D6,14/D6	GMP_A6

P16	
2/B5,6/D6,14/C6	GMP_A14
2/B5,6/D6,14/C6	GMP_A13
2/B5,6/D6,14/C6	GMP_A12
2/B5,6/D6,14/C6	GMP_A11
2/B5,6/D6,14/C6	GMP_A10
2/B5,6/D6,14/C6	GMP_A9
2/B6,6/D6,14/C6	GMP_A8
2/B6,6/D6,14/C6	GMP_A7
2/B6,6/D6,14/C6	GMP_A6

P17	
2/B6,6/C6,14/C6	GMP_A5
2/B6,6/C6,14/C6	GMP_A4
2/B6,6/C6,14/C6	GMP_A3
2/B6,6/C6,14/C6	GMP_A2
2/B6,6/C6,14/C6	CPM_IRQ2
2/A6,11/B2	CPM_CNVT
2/D8,11/A4	CPM_SCK
2/C8,11/A2	CPM_MISO
2/C8,11/A2	CPM_MISO

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DWN	BOYLE	D	4535 670 84482
DWG SCALE	NONE		
DO NOT SCALE		SHEET	2 OF 21
		REV	SEE VOP



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DWN	BOYLE	D	4535 670 84482	SEE VOP
DWG SCALE	NONE			
DO NOT SCALE		SHEET	3 OF 21	REV

DWG. NO.		4535 670 84482	SH	4	
REVISIONS					
REV	ECO	DESCRIPTION	DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE	WILCOX	MERHAR	07/24/12

GHOST AND SPINDLEBLOK SERIAL PORTS

D

C

B

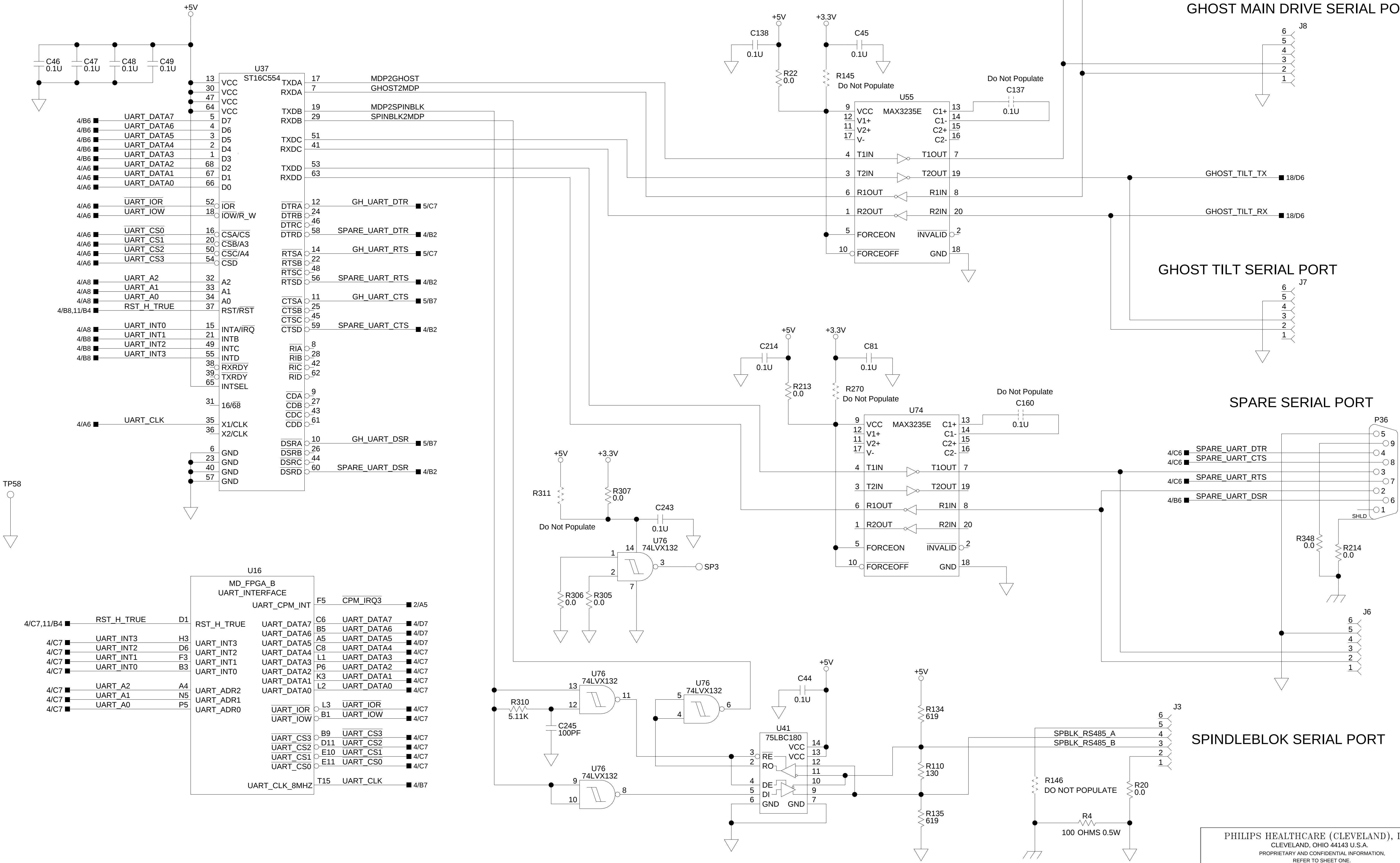
A

D

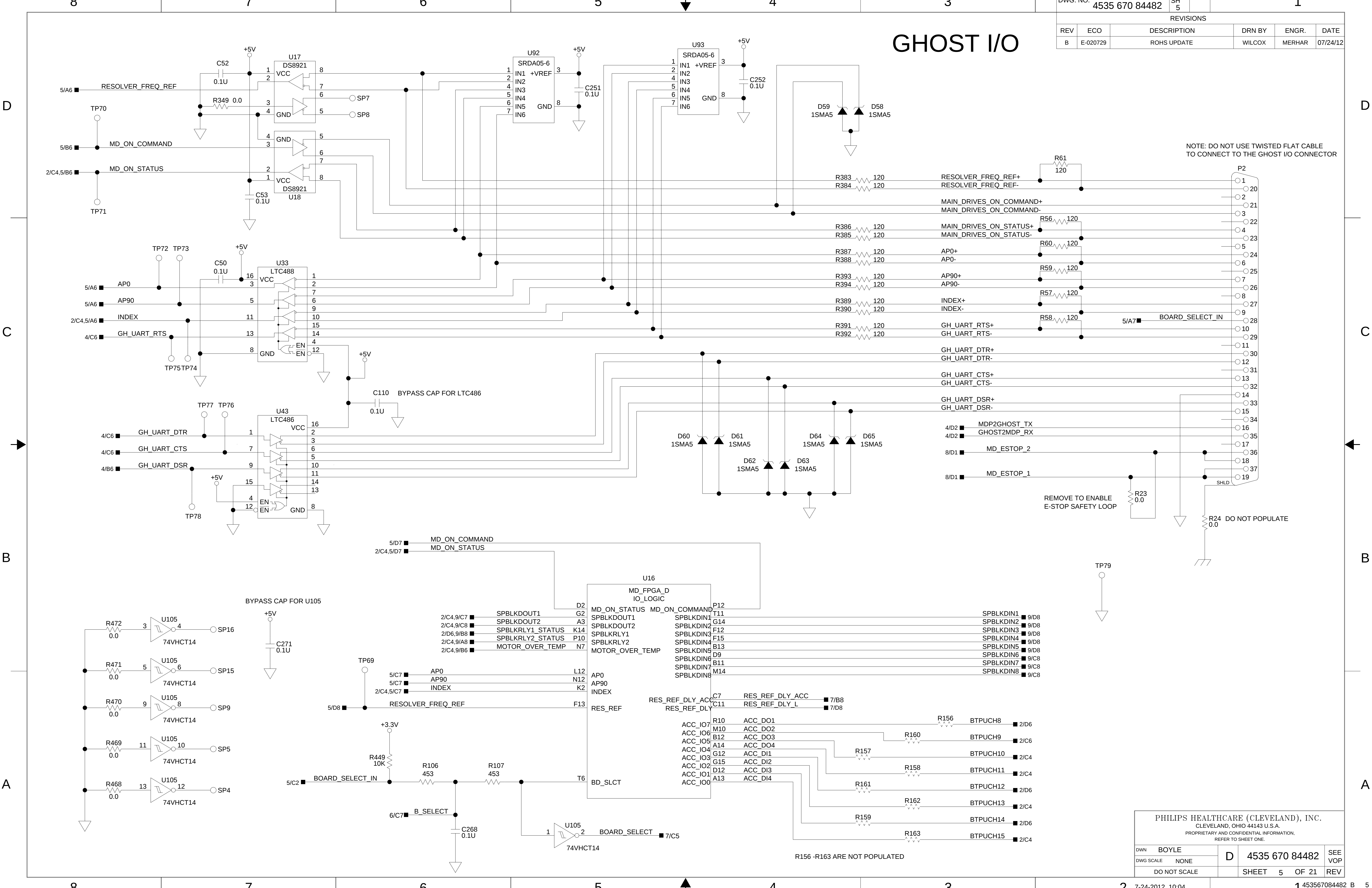
C

B

A



PHILIPS HEALTHCARE (CLEVELAND), INC.					
CLEVELAND, OHIO 44143 U.S.A.					
PROPRIETARY AND CONFIDENTIAL INFORMATION.					
REFER TO SHEET ONE.					
DWN	BOYLE	D	4535 670 84482	SEE VOP	REV
DWG SCALE	NONE				
DO NOT SCALE					



GHOST I/O

DWG. NO.		4535 670 84482	SH	5	
REVISIONS					
REV	ECO	DESCRIPTION	DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE	WILCOX	MERHAR	07/24/12

NOTE: DO NOT USE TWISTED FLAT CABLE TO CONNECT TO THE GHOST I/O CONNECTOR

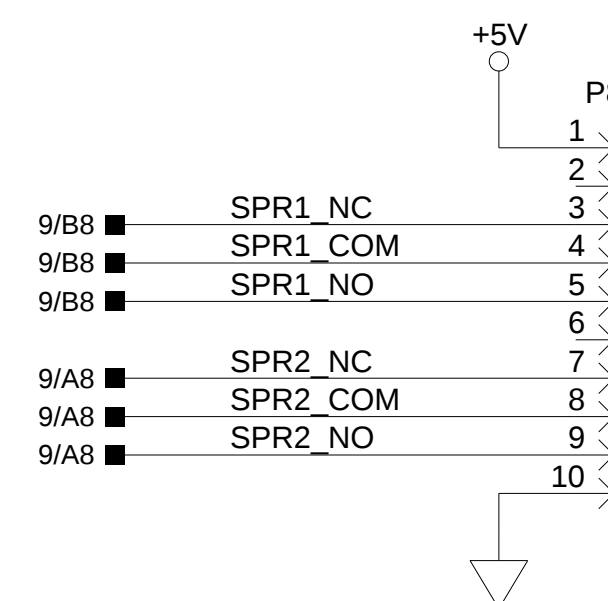
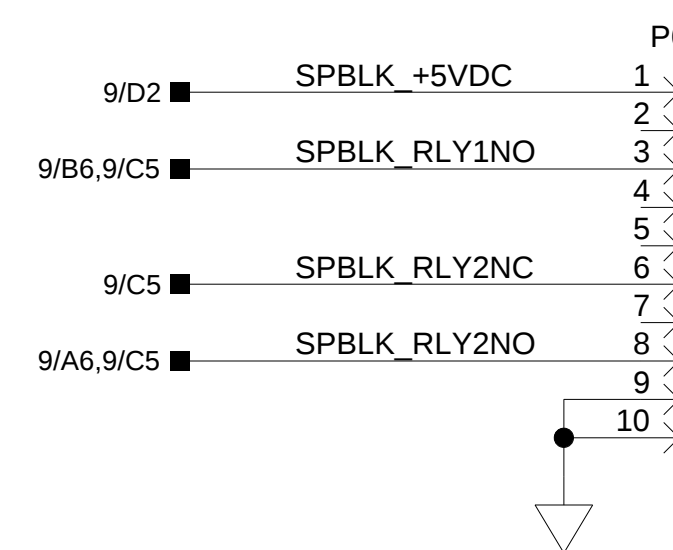
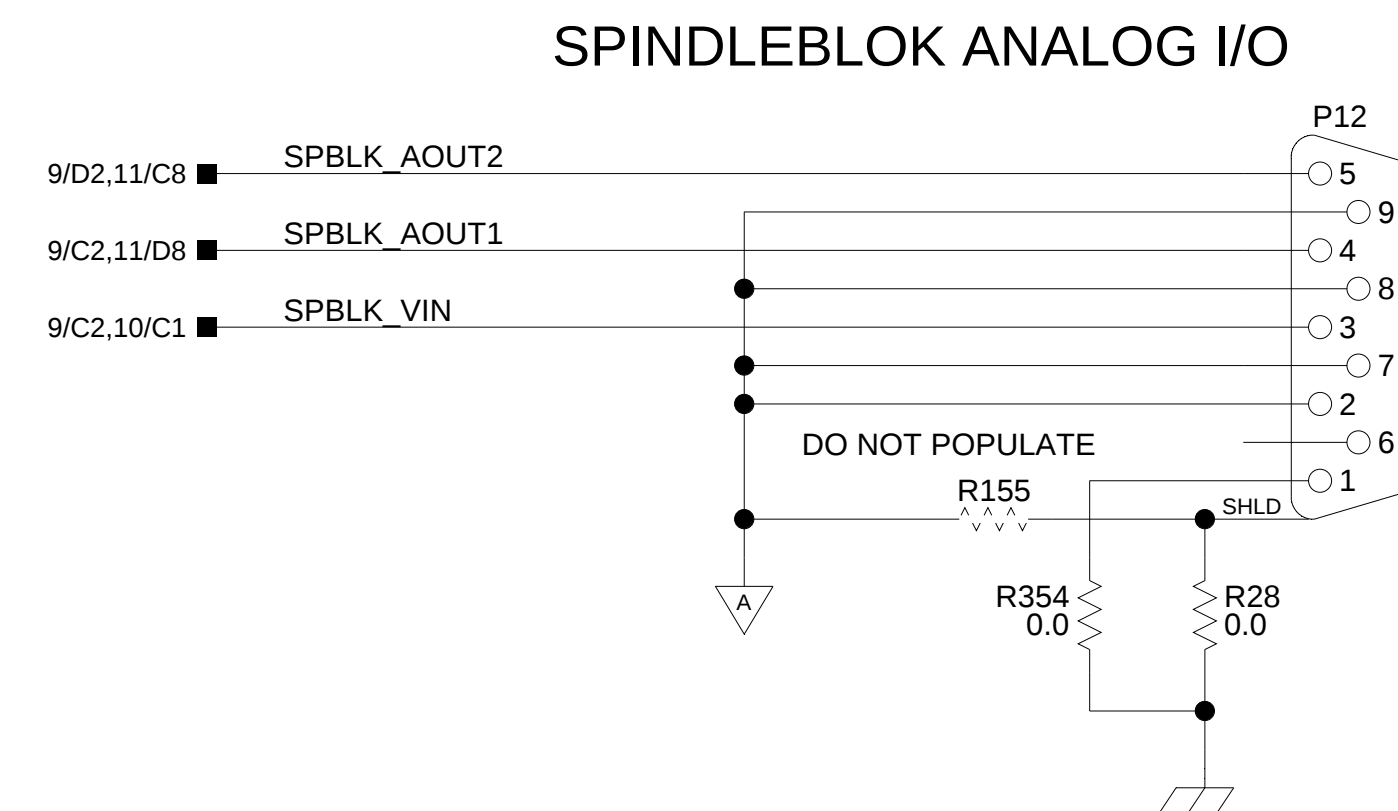
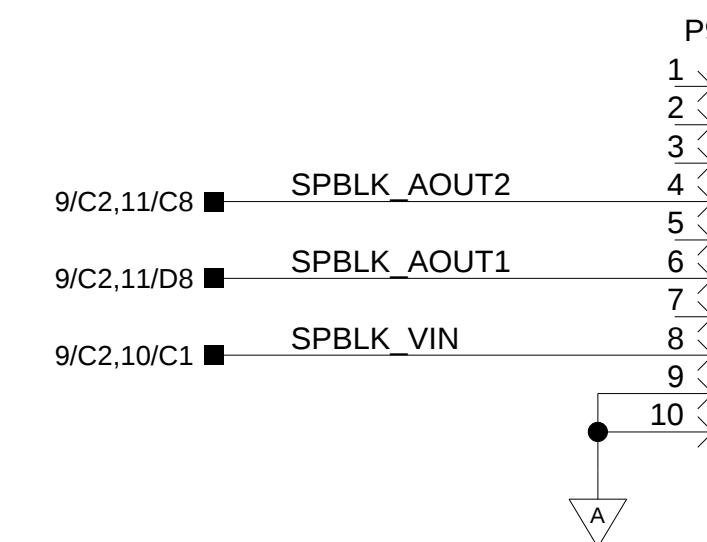
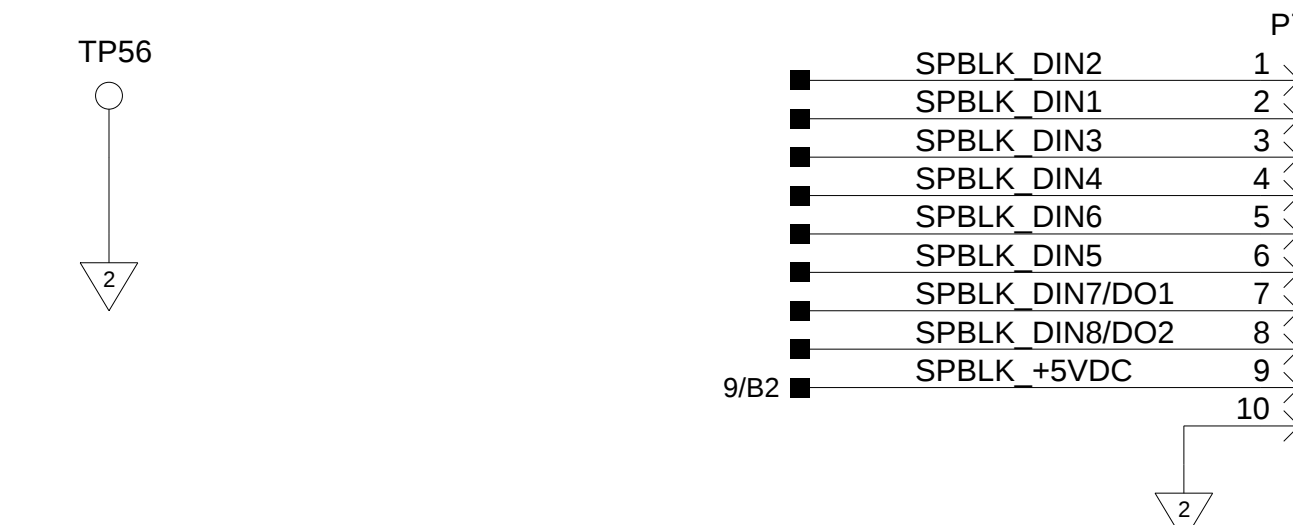
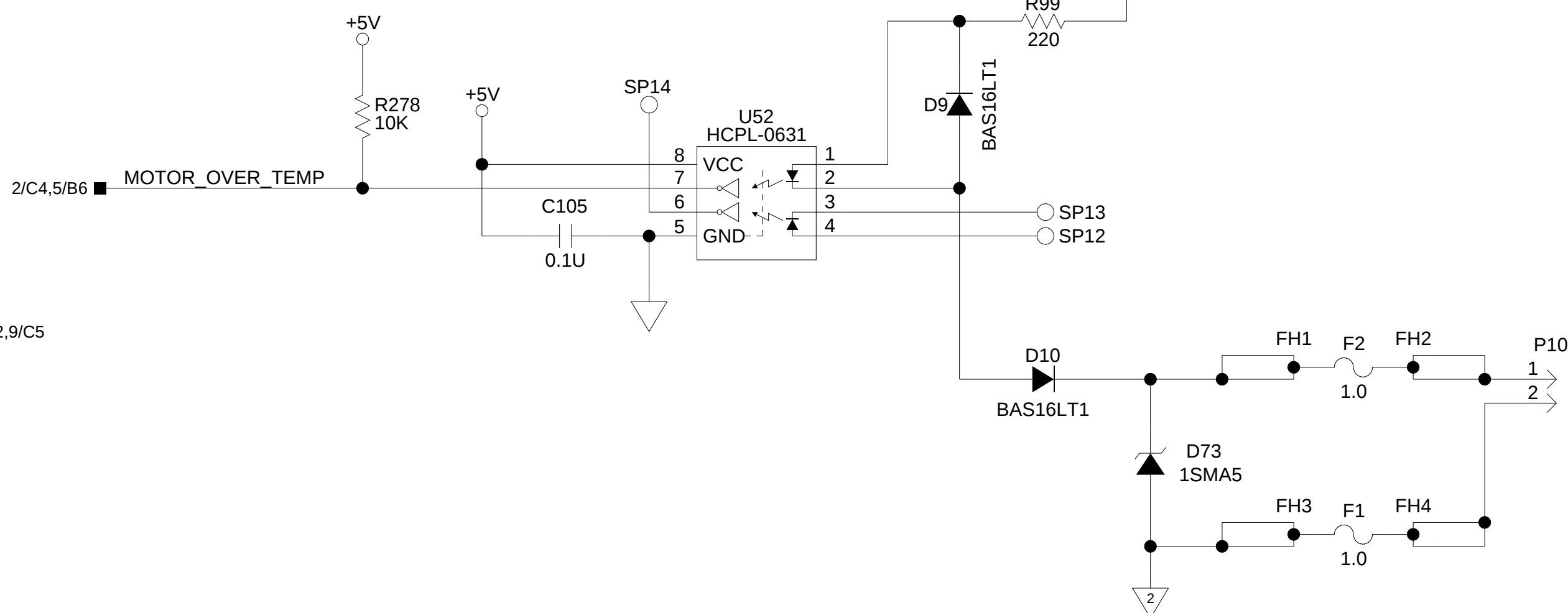
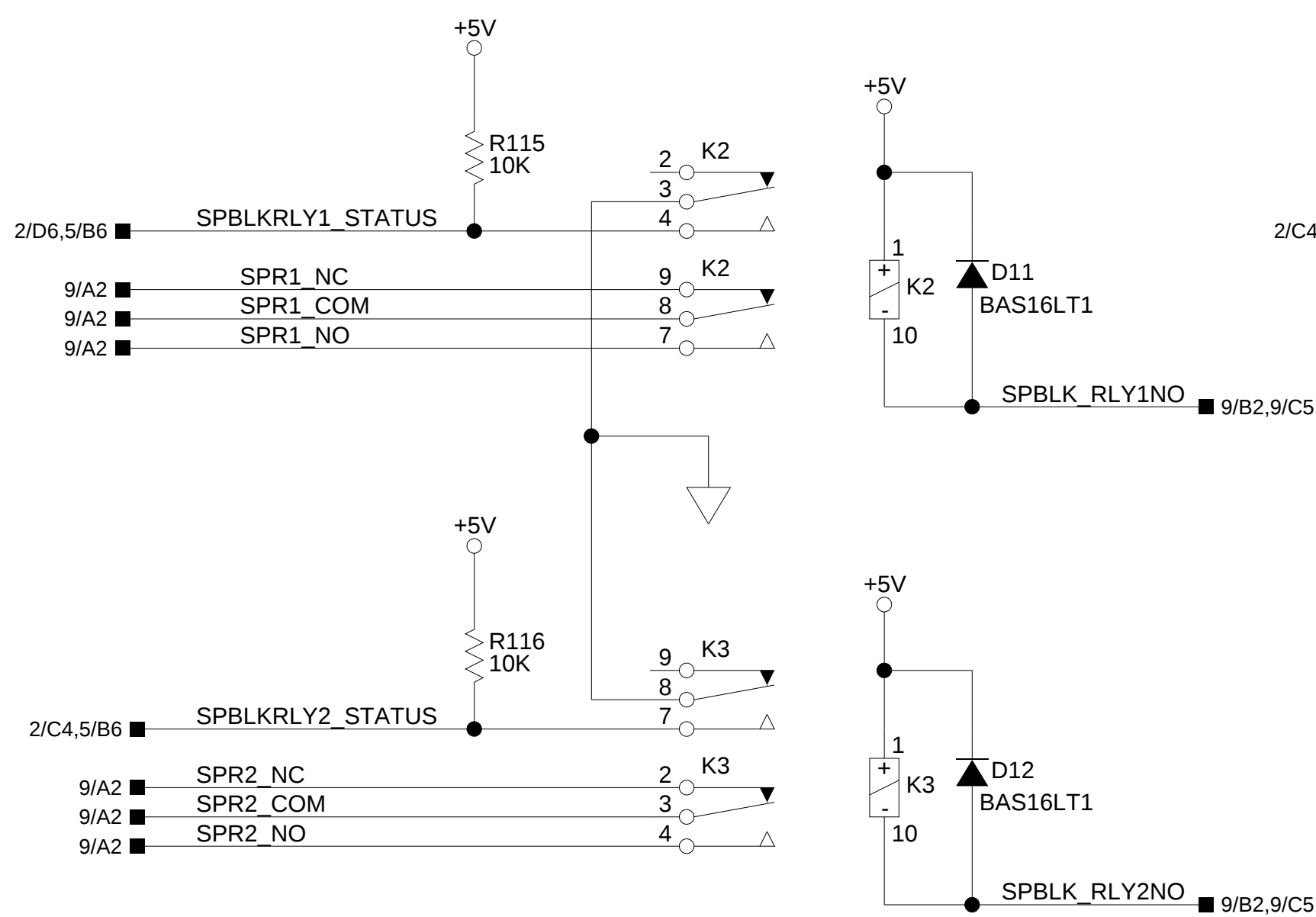
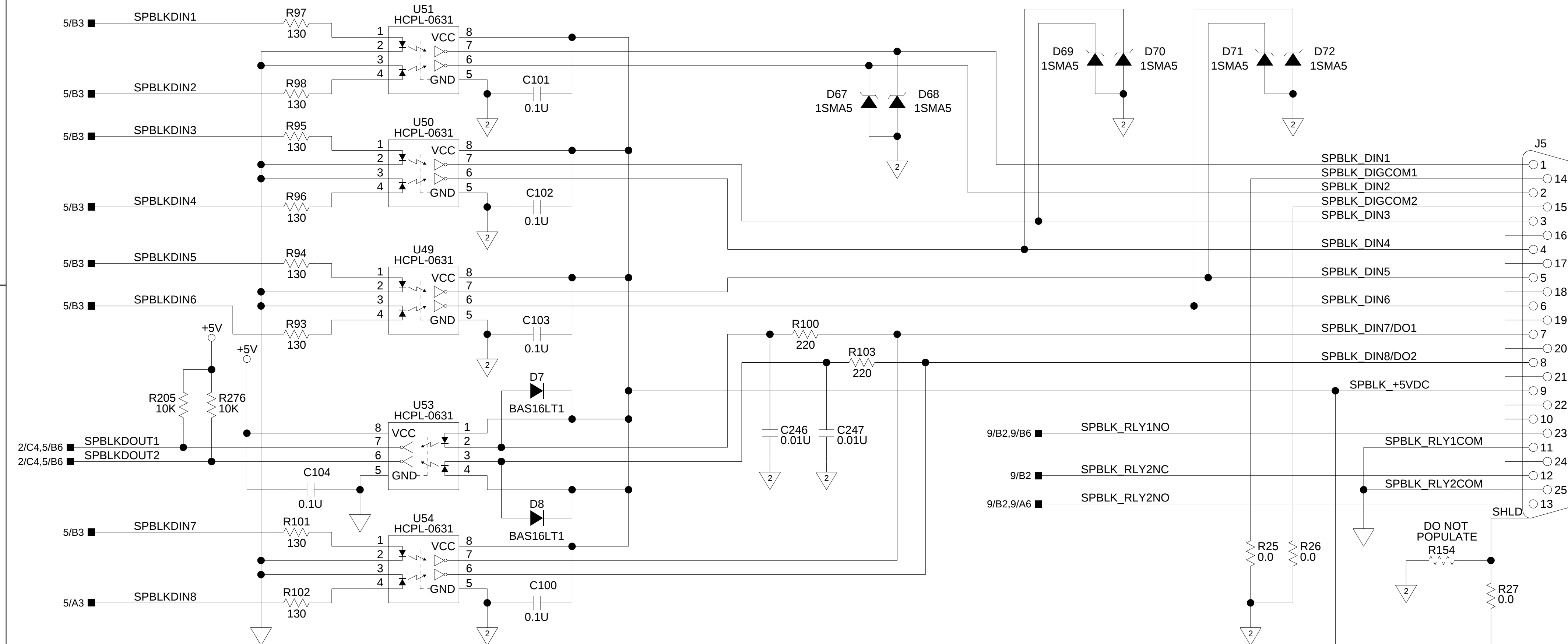
REMOVE TO ENABLE E-STOP SAFETY LOOP

DO NOT POPULATE

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REFER TO SHEET ONE.

DWN	BOYLE	D	4535 670 84482			SEE VOP
DWG SCALE	NONE					
DO NOT SCALE			SHEET 5 OF 21			REV

SPINDLEBLOK I/O



SPINDLEBLOK
DIGITAL I/O

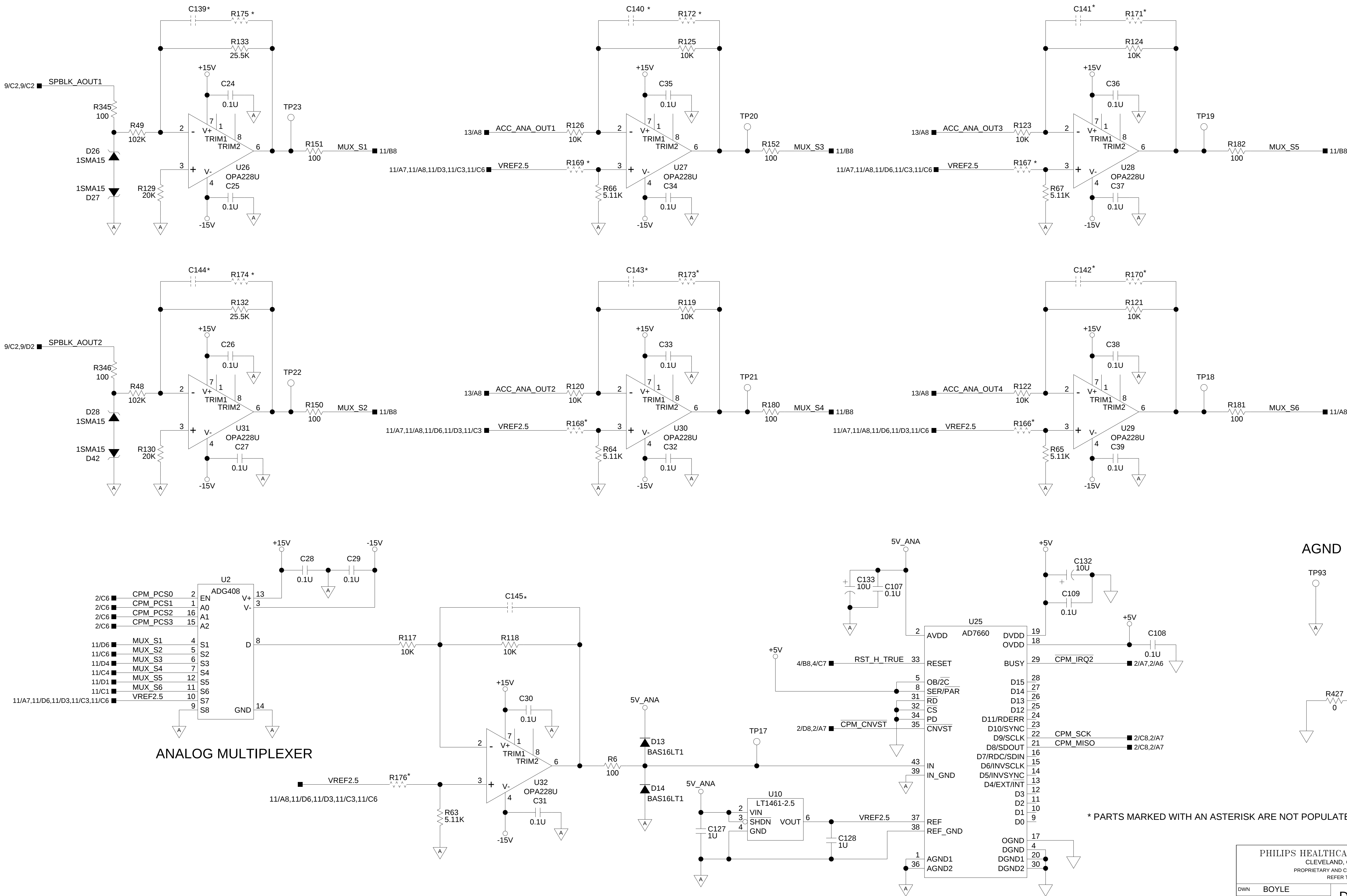
SPINDLEBLOK ANALOG I/O

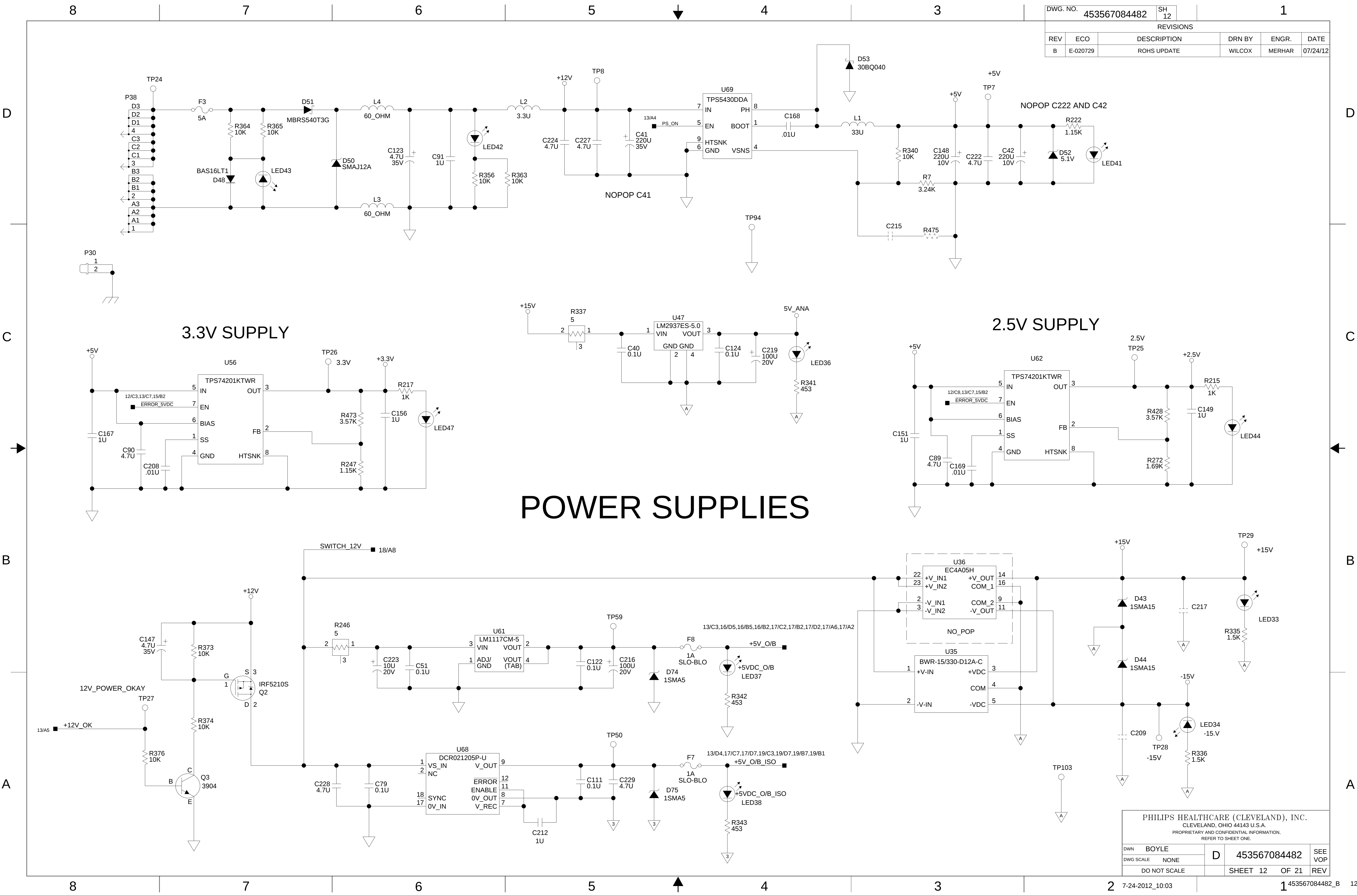
MOTOR TEMPERATURE
CONNECTOR

DWG. NO.	4535 670 84482	SH 9		1		
REVISONS						
REV	ECO	DESCRIPTION		DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE		WILCOX	MERHAR	07/24/12

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DWN	BOYLE	D	4535 670 84482	SEE VOP	
DWG SCALE	NONE				
DO NOT SCALE					
		SHEET	9	OF 21	REV

ANALOG INPUTS





DWG. NO.		453567084482		SH 12				1	
REVISIONS									
REV	ECO	DESCRIPTION			DRN BY		ENGR.		DATE
B	E-020729	ROHS UPDATE			WILCOX		MERHAR		07/24/12

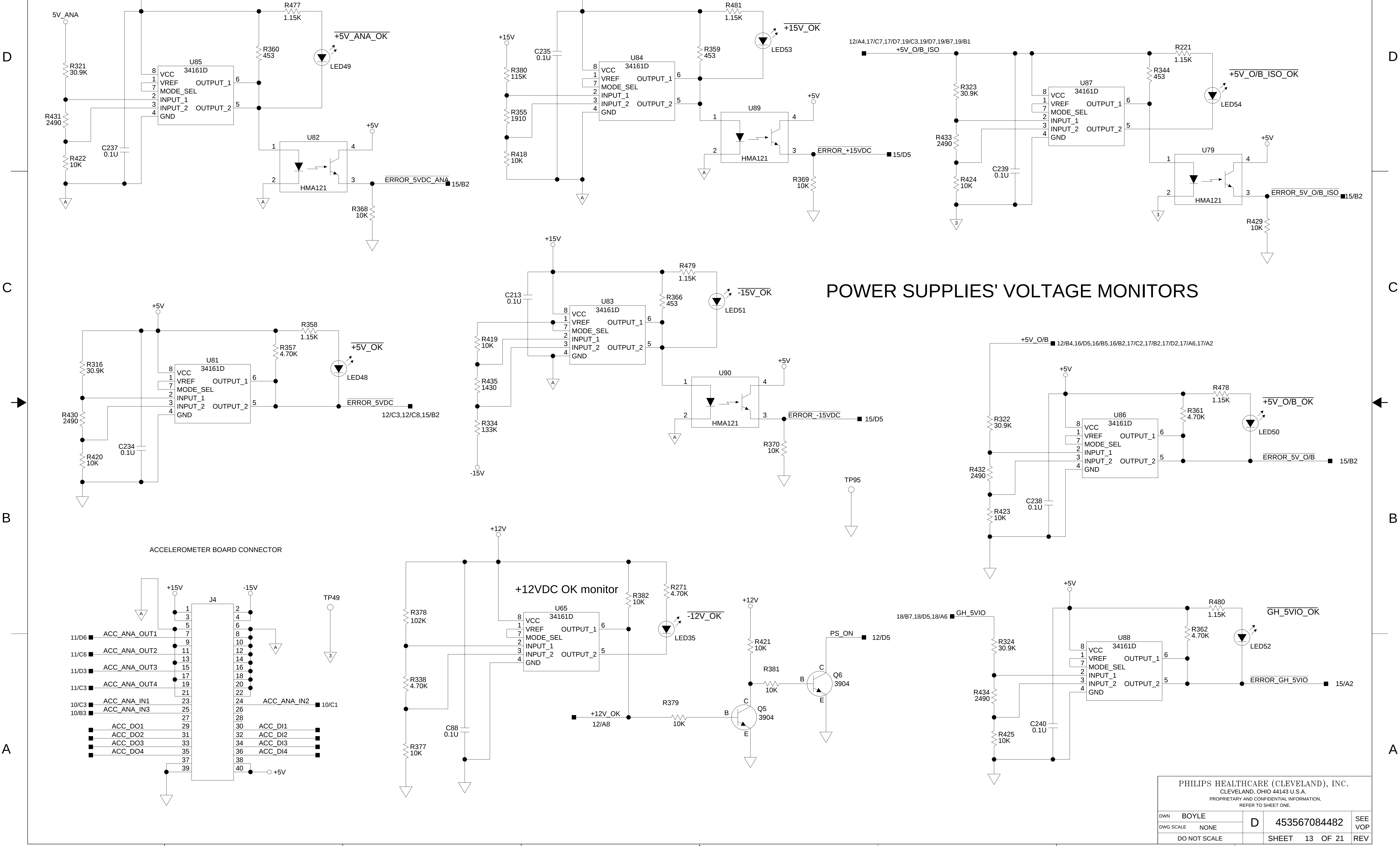
3.3V SUPPLY

2.5V SUPPLY

POWER SUPPLIES

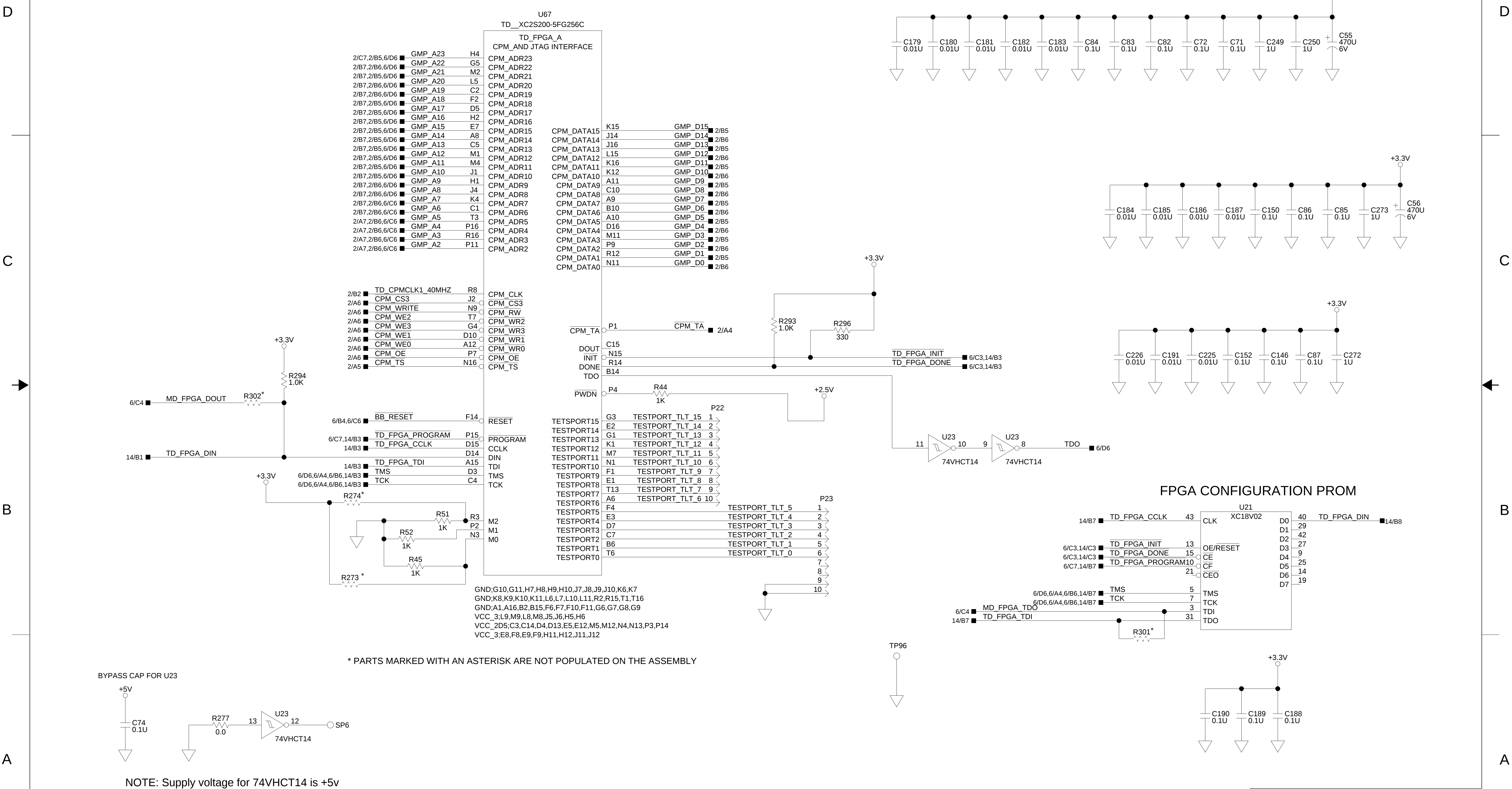
PHILIPS HEALTHCARE (CLEVELAND), INC.					
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PROPRIETARY AND CONFIDENTIAL INFORMATION, REFER TO SHEET ONE.					
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DWG SCALE	NONE				
DO NOT SCALE					
			SHEET 12	OF 21	REV

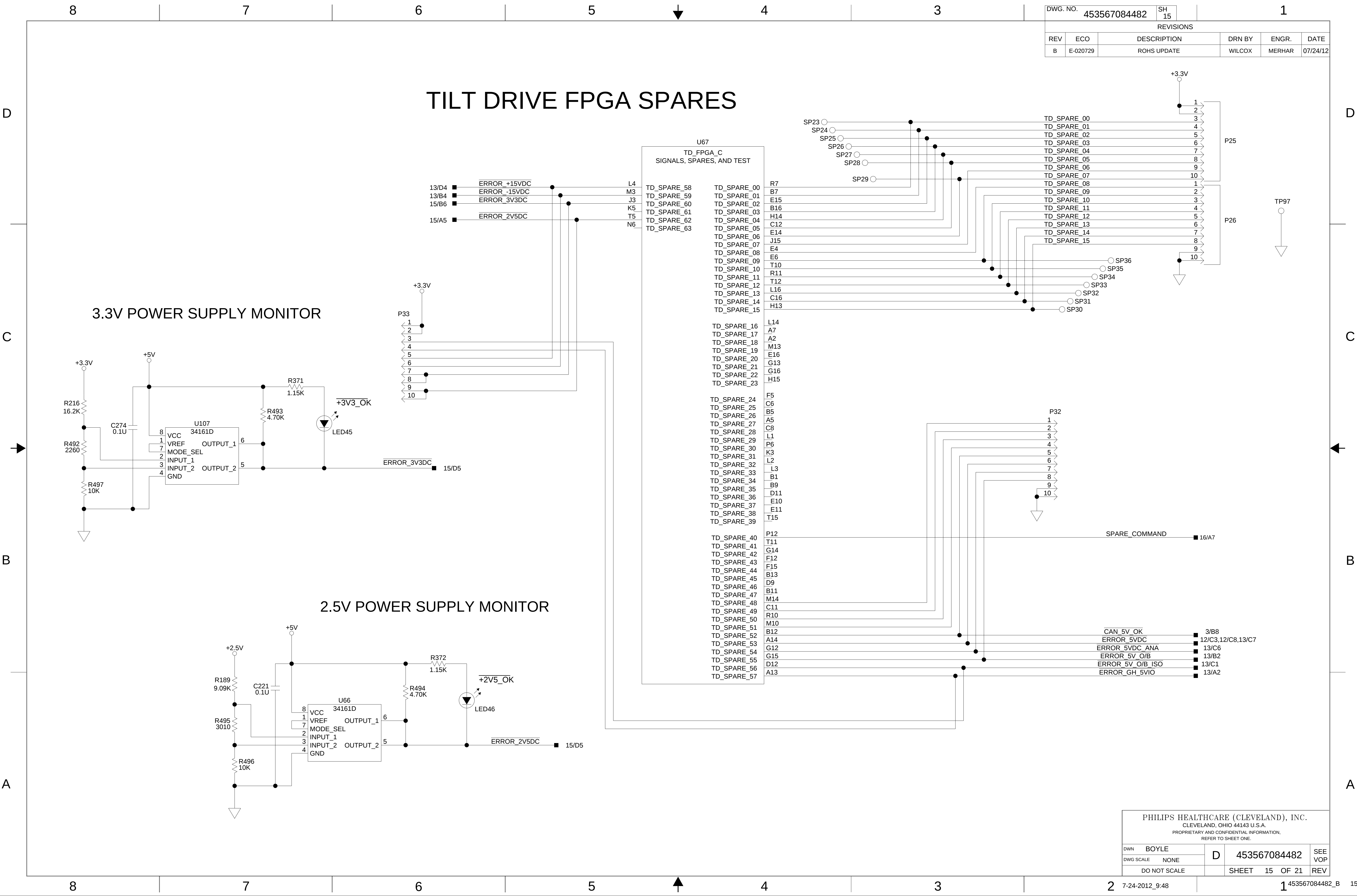
REVISONS					
REV	ECO	DESCRIPTION		DRN BY	ENGR. DATE
B	E-020729	ROHS UPDATE		WILCOX	MERHAR 07/24/12



REVISIONS					
REV	ECO	DESCRIPTION		DRN BY	ENGR. DATE
B	E-020729	ROHS UPDATE		WILCOX	MERHAR 07/24/12

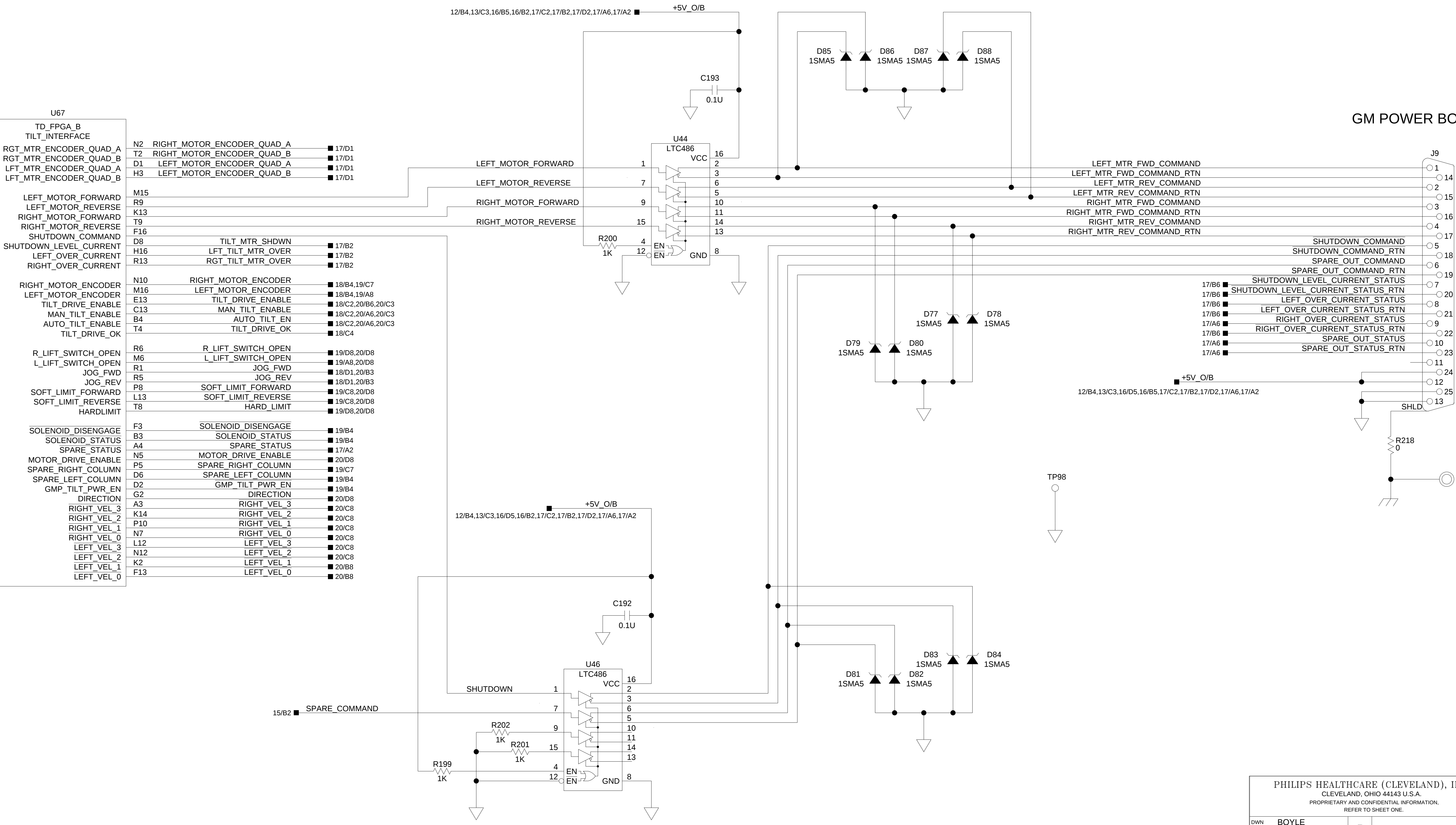
TILT DRIVE FPGA



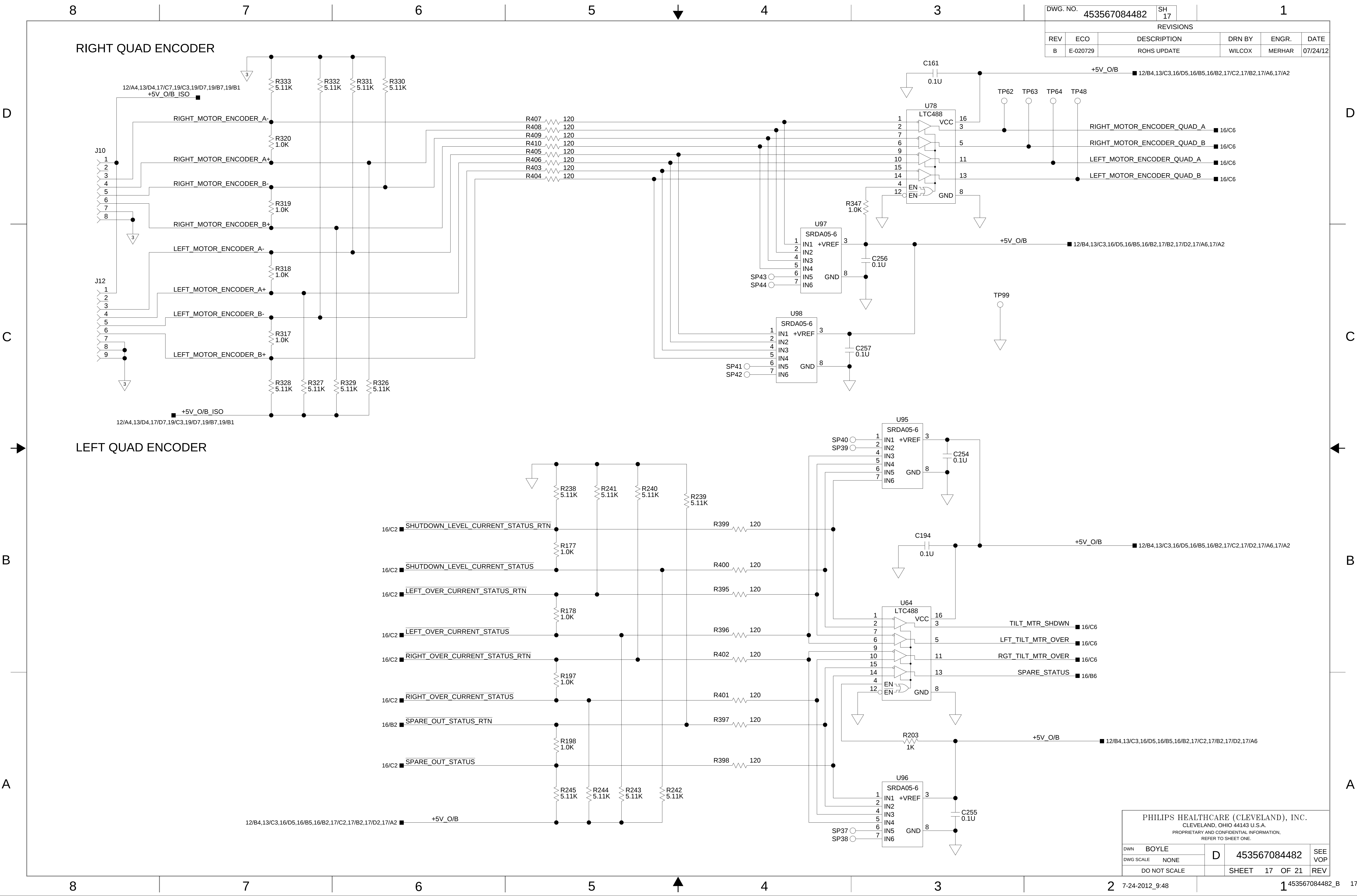


GANTRY MOTION POWER BOARD INTERFACE

DWG. NO.	453567084482	SH	16			1	
REVISIONS							
REV	ECO	DESCRIPTION			DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE			WILCOX	MERHAR	07/24/12



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PROPRIETARY AND CONFIDENTIAL INFORMATION.					
REFER TO SHEET ONE.					
DWN	BOYLE	D	453567084482	SEE VOP	REV
DWG SCALE	NONE				
DO NOT SCALE					
		SHEET	16	OF 21	



DWG. NO.		453567084482	SH	17	1	
REVISIONS						
REV	ECO	DESCRIPTION		DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE		WILCOX	MERHAR	07/24/12

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PROPRIETARY AND CONFIDENTIAL INFORMATION.					
REFER TO SHEET ONE.					
DWN	BOYLE	D	453567084482	SEE VOP	
DWG SCALE	NONE				
DO NOT SCALE					
SHEET 17 OF 21			REV		

D

C

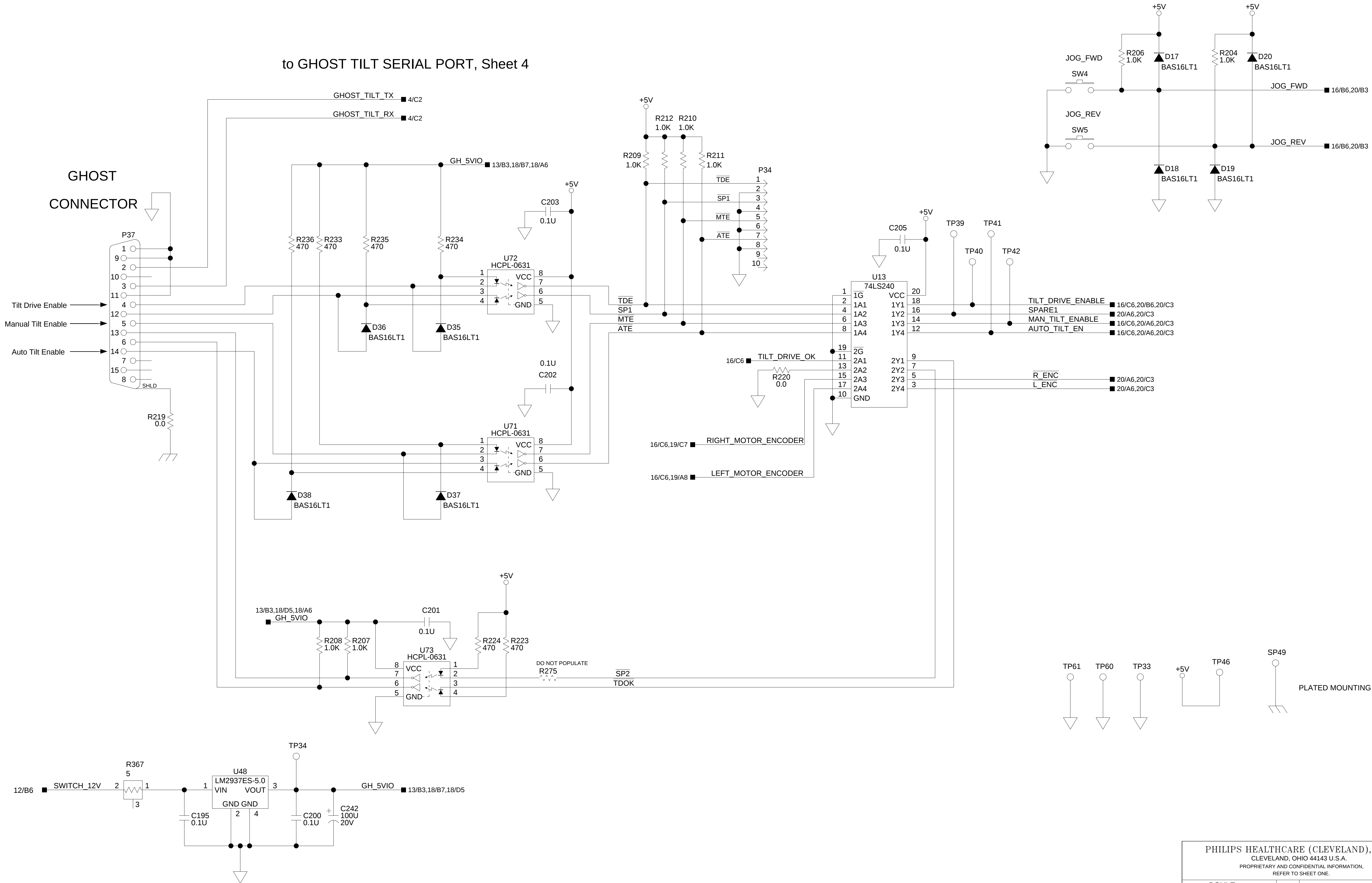
B

A

GHOST TILT AND GANTRY COLUMN INTEFEACE

to GHOST TILT SERIAL PORT, Sheet 4

DWG. NO.		453567084482	SH 18			1
REVISIONS						
REV	ECO	DESCRIPTION		DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE		WILCOX	MERHAR	07/24/12

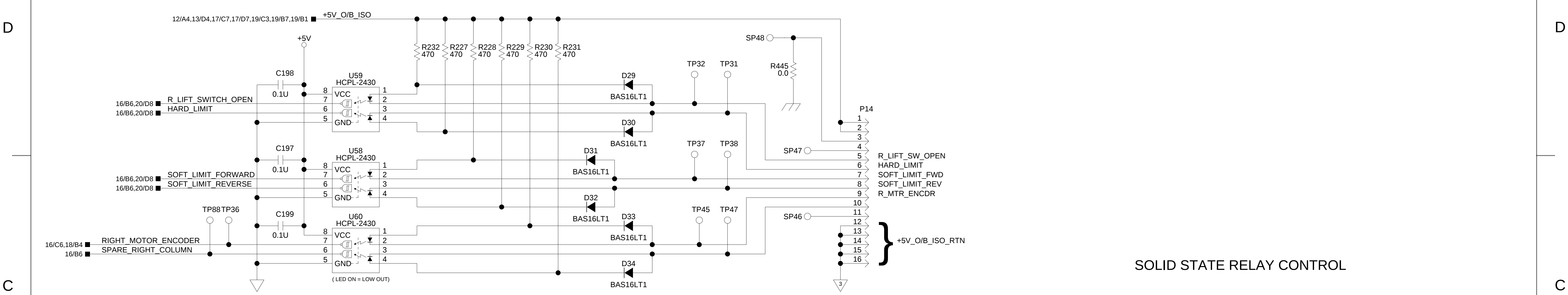


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DWN	BOYLE	D	453567084482	SEE VOP	REV
DWG SCALE	NONE				
DO NOT SCALE					

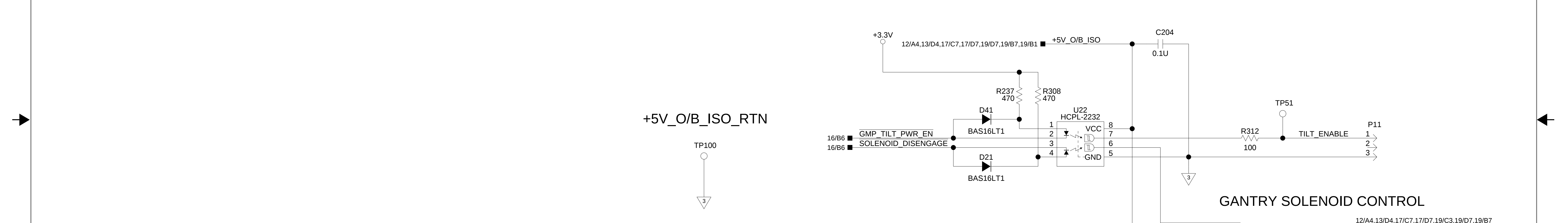
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REV	ECO	DESCRIPTION	DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE	WILCOX	MERHAR	07/24/12

GHOST TILT AND GANTRY COLUMN INTEFEACE, cont'd

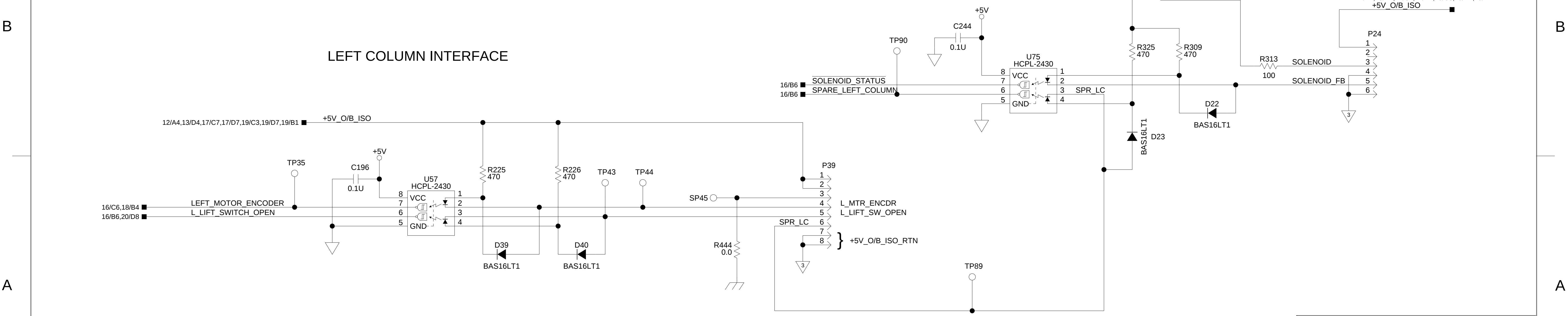
RIGHT COLUMN INTERFACE



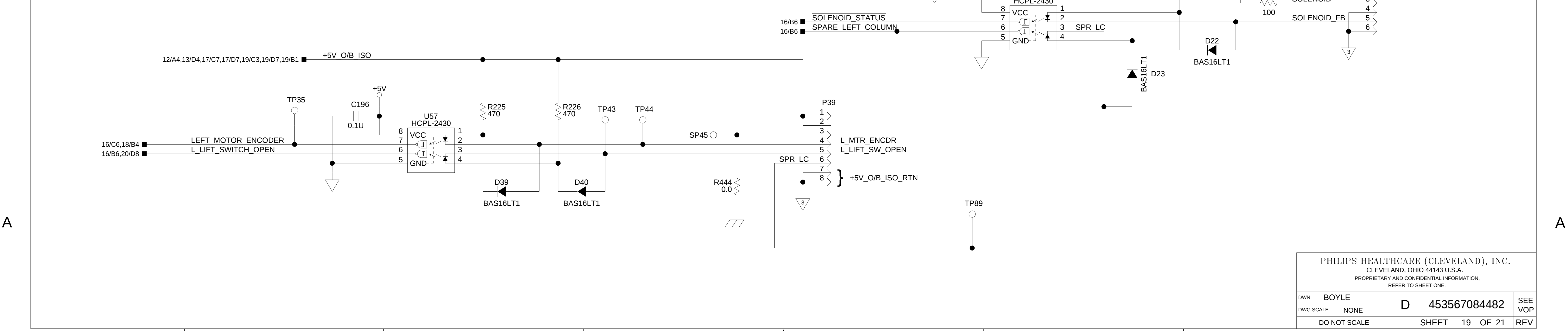
SOLID STATE RELAY CONTROL



GANTRY SOLENOID CONTROL

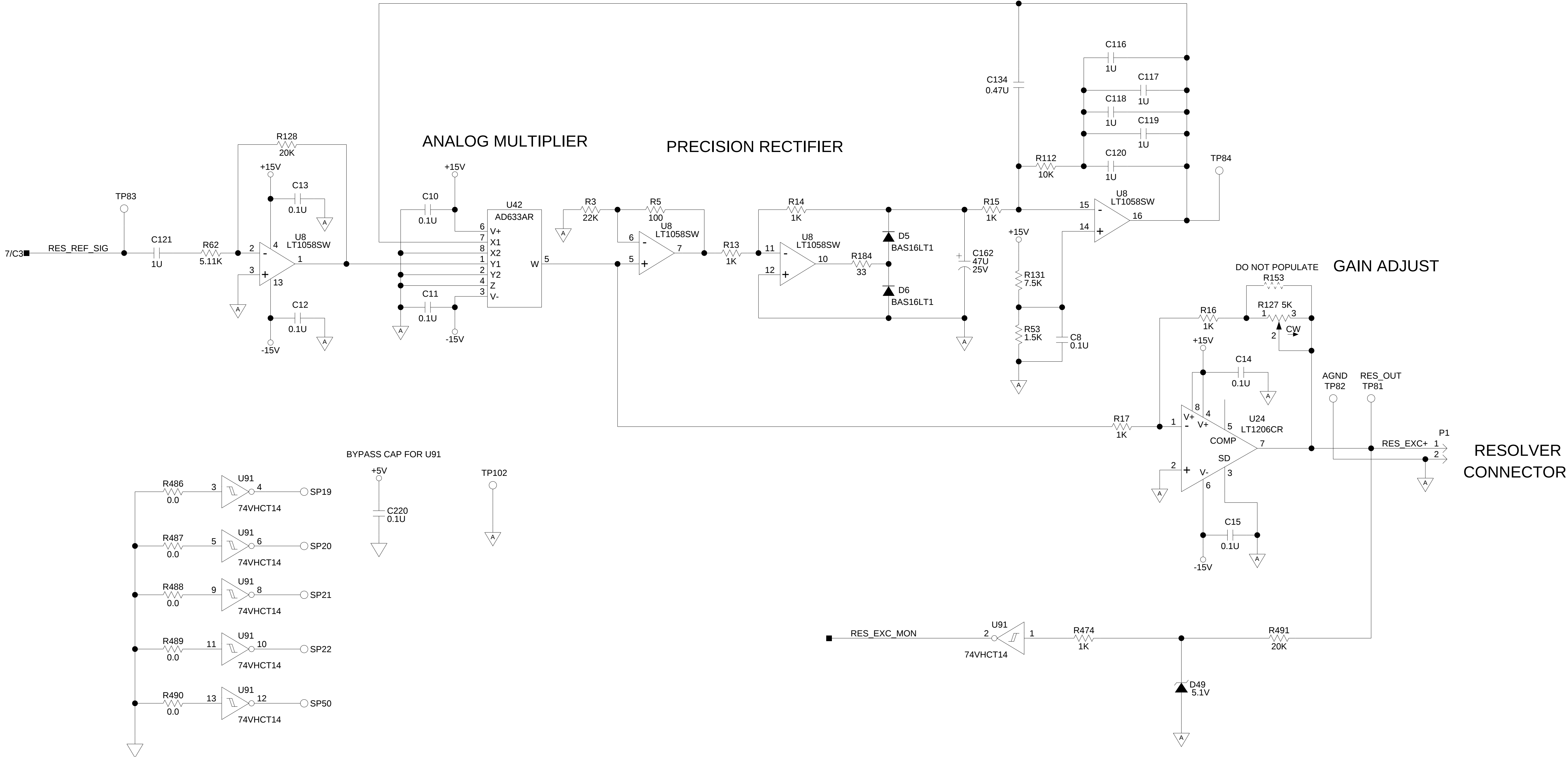


LEFT COLUMN INTERFACE



DWG. NO.		4535 670 84482	SH	21		1
REVISIONS						
REV	ECO	DESCRIPTION		DRN BY	ENGR.	DATE
B	E-020729	ROHS UPDATE		WILCOX	MERHAR	07/24/12

AUTOMATIC GAIN CONTROL



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DWN	BOYLE	D	4535 670 84482	SEE VOP	
DWG SCALE	NONE				
DO NOT SCALE					
SHEET			21	OF 21	REV