

REFERENCE INFORMATION

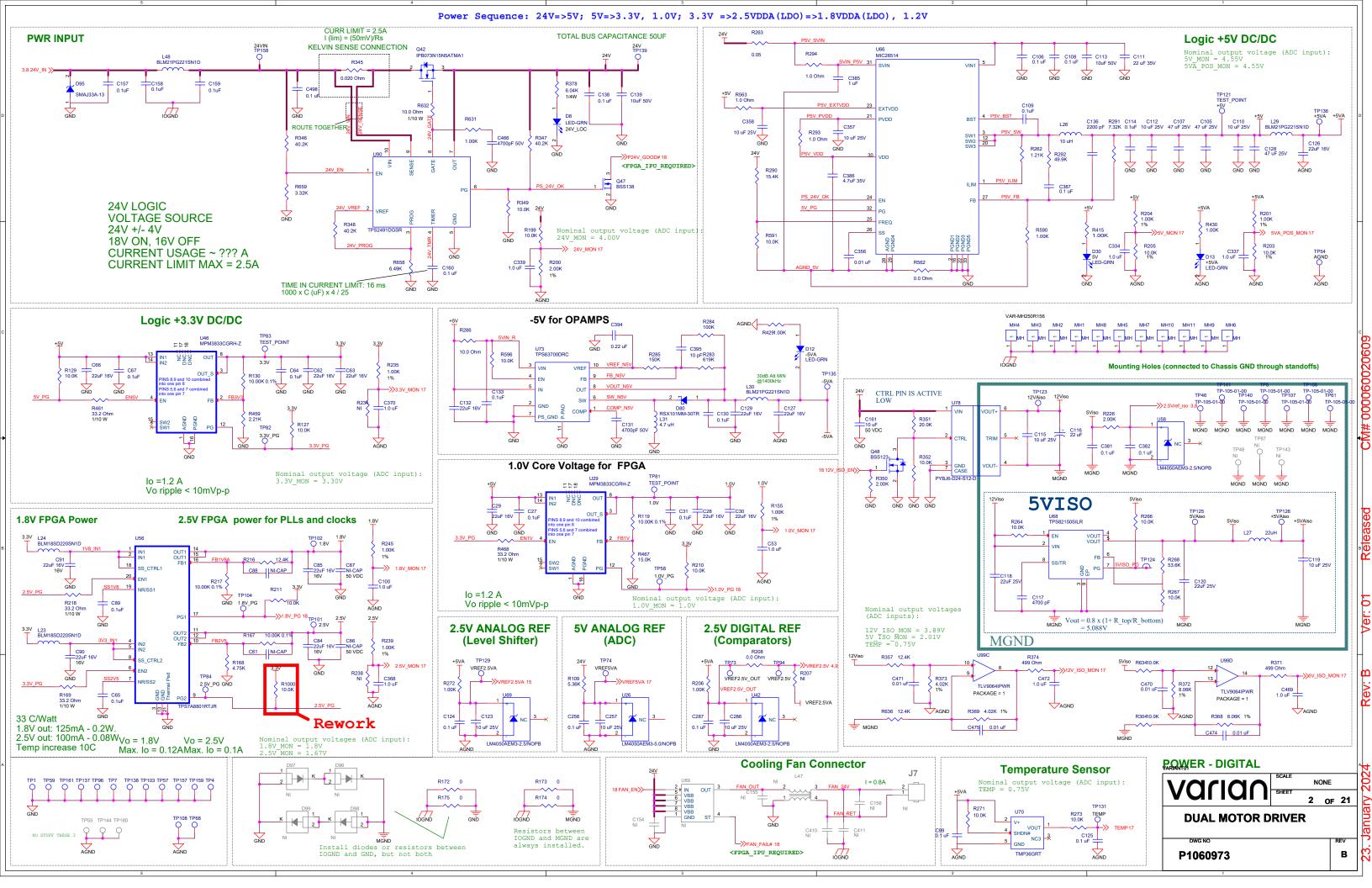
TABLE OF CONTENTS

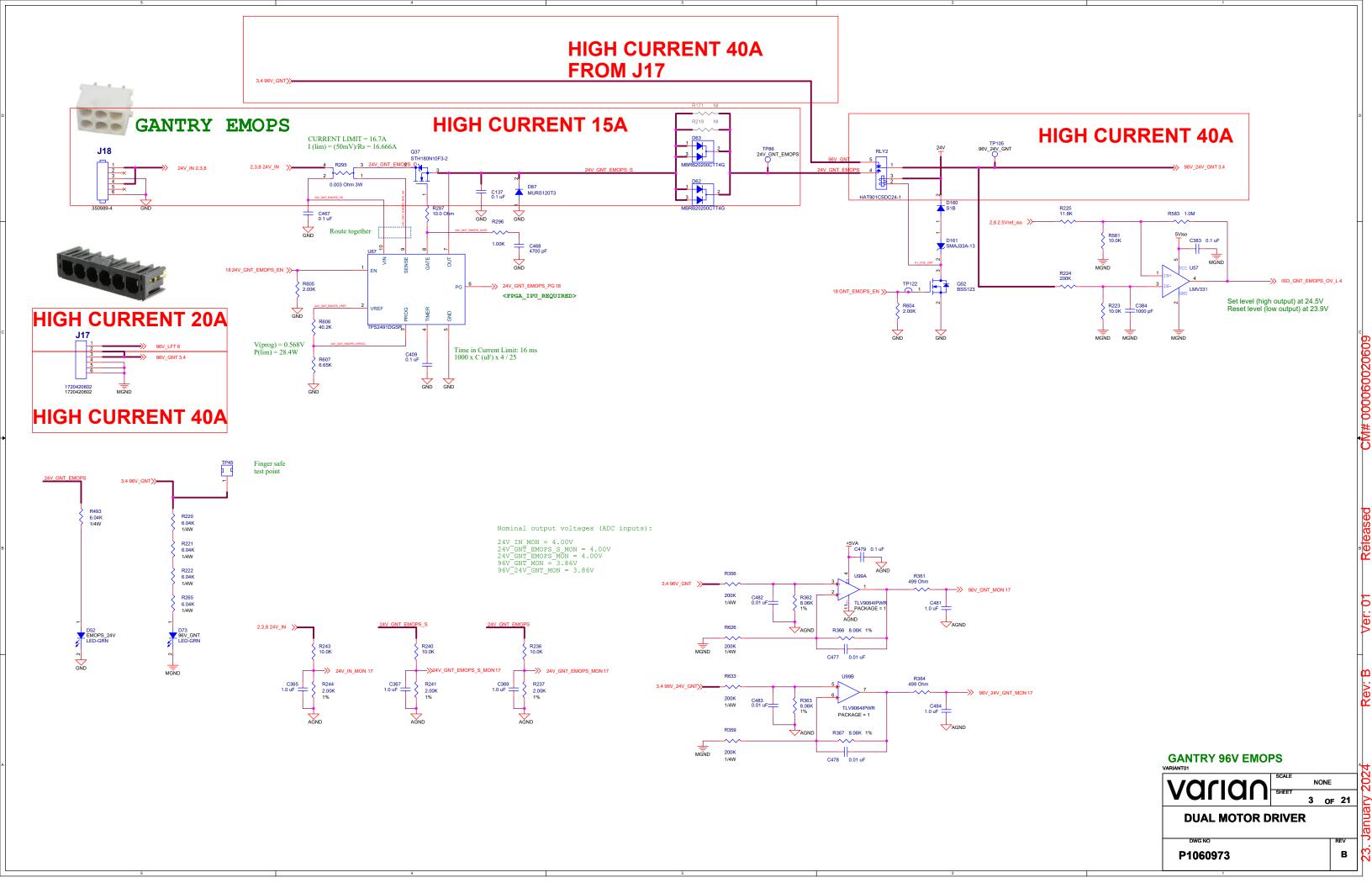
PAGE	SHEET	I/O			
1	MAIN				
2	POWER DIGITAL	J7			
3	GANTRY 96V EMOPS	J17, J18			
4	GANTRY 96V INTERFACE				
5	GANTRY DRIVER	J22			
6	GANTRY BRAKE DRIVER				
7	GANTRY BRAKE DRIVER AND FEEDB	ACKJ13			
8	LIFT 96V EMOPS				
9	LIFT 96V INTERFACE	J14			
10	LIFT DRIVER	J23			
11	LIFT MOTOR HALL SENSOR IF	J6			
12	SPD DMD INTERFACE	J9			
13	SPD_EMOPS_INTERFACE	J10			
14	STAND CONTROLLER INTERFACE	J1			
15	CCHL INTERFACE	J12			
16	SERVICE PENDANT	J8			
17	A/D AND D/A CONVERTERS				
18	FPGA FUNCTIONAL INTERFACE 1	J11			
19	FPGA FUNCTIONAL INTERFACE 2				
20	FPGA POWER INTERFACE				
21	EXTERNAL BRAKE DRIVER IF	J24			

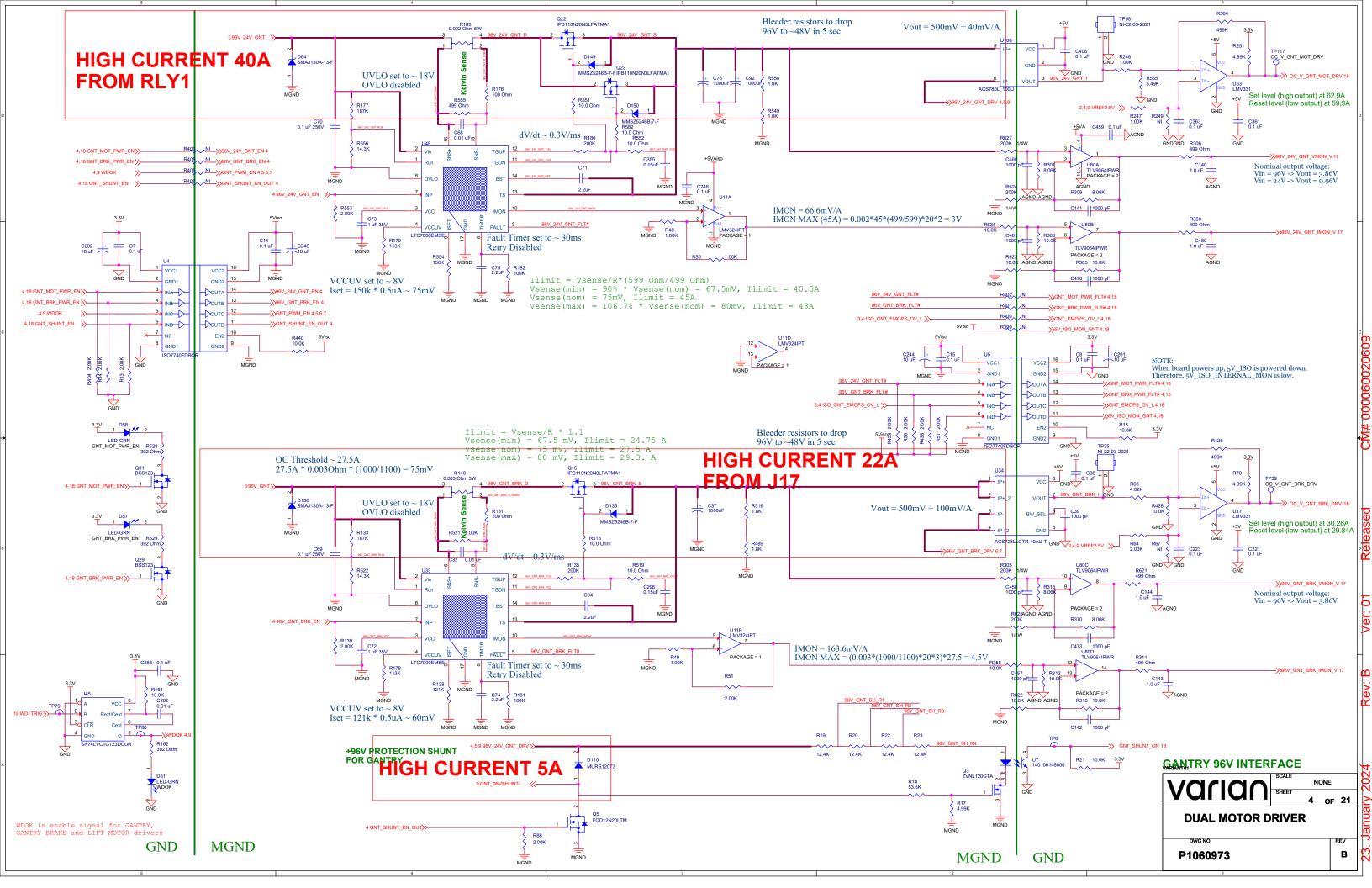
CONNECTOR KEYING TABLE

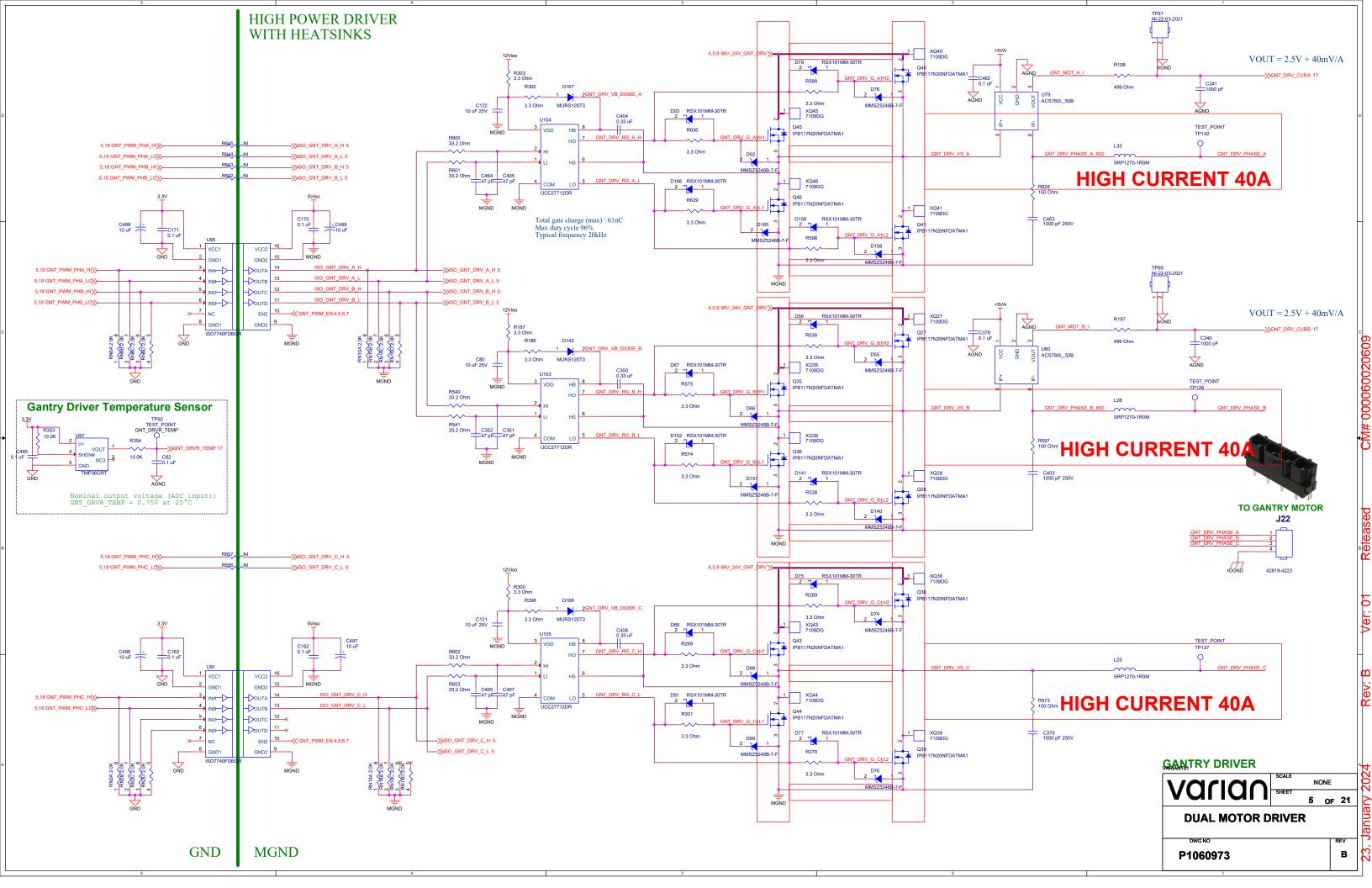
Jx	TYPE	FUNCTION	KEY
J1	HEADER 13x2 RIBBON	STAND CONTROLLER	8
J6	HEADER 4x2	LIFT HALL SENSOR	NA
J7	HEADER 2x1	COOLING FAN	NA
J8	DSUB 15-R	STAND CONTROL PANEL	2
J9	HEADER 10x2	DMD_24V, SPD DMD IF	18
J10	HEADER 13x2 RIBBON	STAND POWER DISTRIBUTION	11
J11	FTSH-105-01-L-D-K	FPGA JTAG	NA
J12	DSUB 26 HD RECEPTACLE	COUCH CONTROLLER	NA
J17	HEADER 2X3	GANTRY/LIFT 96V INPUT POWER	NA
J18	HEADER 4X1	EMOPS 24V	NA
J19	HEADER 5x2	TEST POINT HEADER	NA
J20	HEADER 5x2	TEST POINT HEADER	NA
J21	HEADER 10x2	TEST POINT / SWITCH HEADER	NA
J22	HEADER 4X1	GANTRY DRIVER OUTPUT	TBD
J23	HEADER 4X1	LIFT DRIVER OUTPUT	3
J24	DSUB 26 HD RECEPTACLE	GANTRY BRAKE	NA

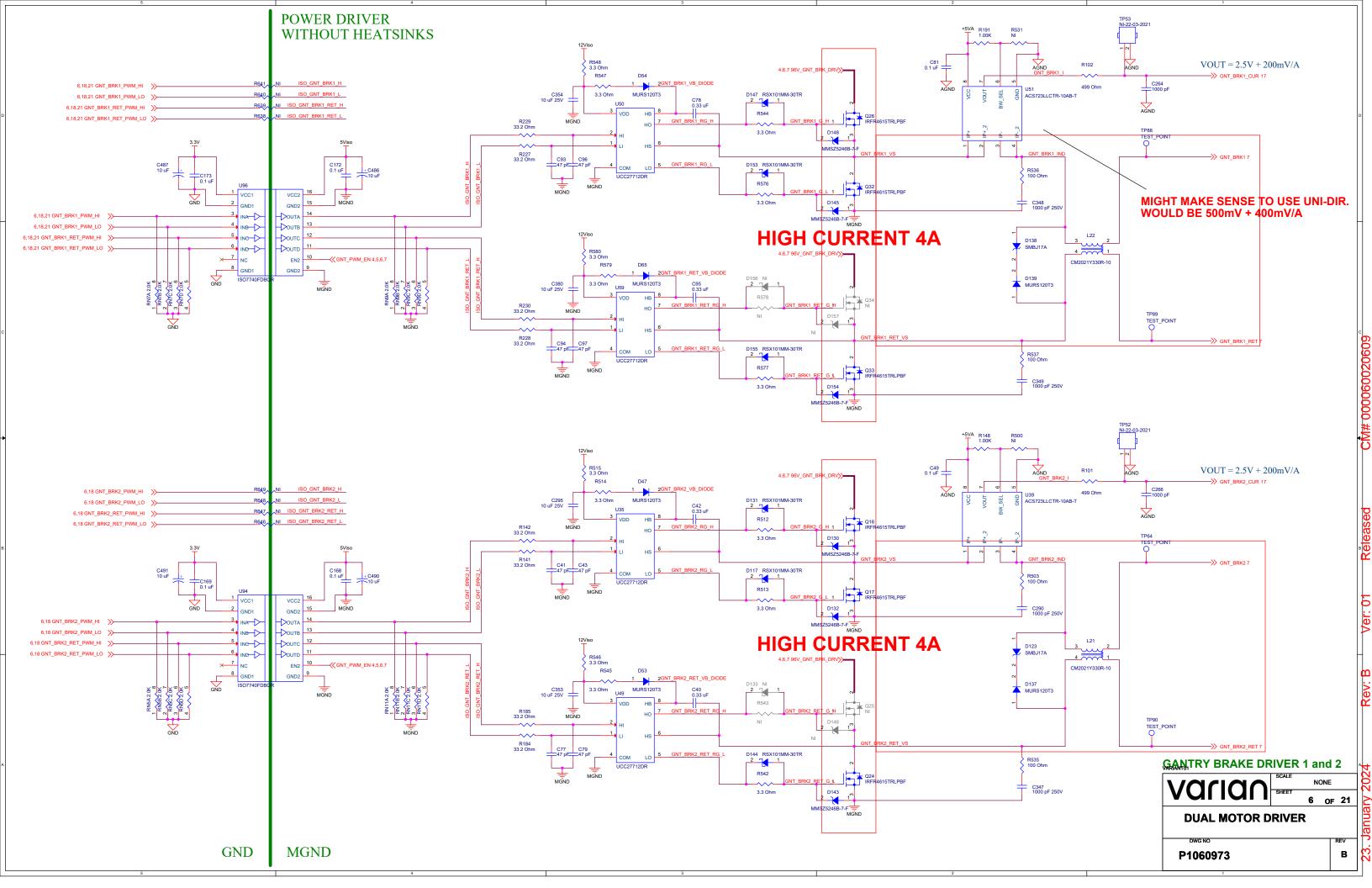
REPRO	DUCTION, D	CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTYOF VARIAN MEDICAL SYSTEMS. ISSCLOSURE, OR RELEASE TO OTHERS, MANUALLY OR ELETRONICALLY, WITHOUT THE ONSENT OF VARIAN MEDICAL SYSTEMS IS STRICTLY PROHIBITED.			E RECORD WILL BE APPENDI SECURED DOCUMENT
DESCRIPTION OF CHANGE	NITIAL RELEASE	-CHANGED TO 7890970571 (CURRENT SENSOR, HE.40A, 8-SOIC, ROHS - ALLEGRO MICROSYSTEMS INCA CS723LLCTR-40AU-T): U34 -CHANGED TO 4180200371 (CAP.1000PF, 10%, 50V, 0805, ROHS - AVX/KYOCERA 08055C102KAT2A); C234 C263 C264 C265 C266 C340 C341 -CHANGED TO 4180200171 (CAP.1.1UF, 10%, 50V, 0805, ROHS - AVX/KYOCERA 08055C104KAT2A); C82 C125 C262 -CHANGED TO 3141621371 (RES, 1000, 1%, 1/10W, 0603, ROHS - KOA SPEER RK73H1JTTD1001F); R521 -ADDED/CHANGED TO 3141630971 (RES, 100 K, 1%, 1/10W, 0603, ROHS - KOA SPEER RK73H1JTTD1002 R428 R24 R273 R354 R1000 (ADDED THROUGH REWORK) -CHANGED TO 3141633871 (RES, 20.0K, 1%, 1/10W, 0603, ROHS - KOA SPEER RK73H1JTTD2002F); R351	PCB, DUA		IIAA RIVER
	Ž	R351 -CHANGED TO 3141627171 (RES,4.02K,1%,1/10W,0603,ROHS - KOA SPEER RK73H1JTTD4021F): R63 R369 R373	DRAWN: Rami A.	SHEET	P1060973

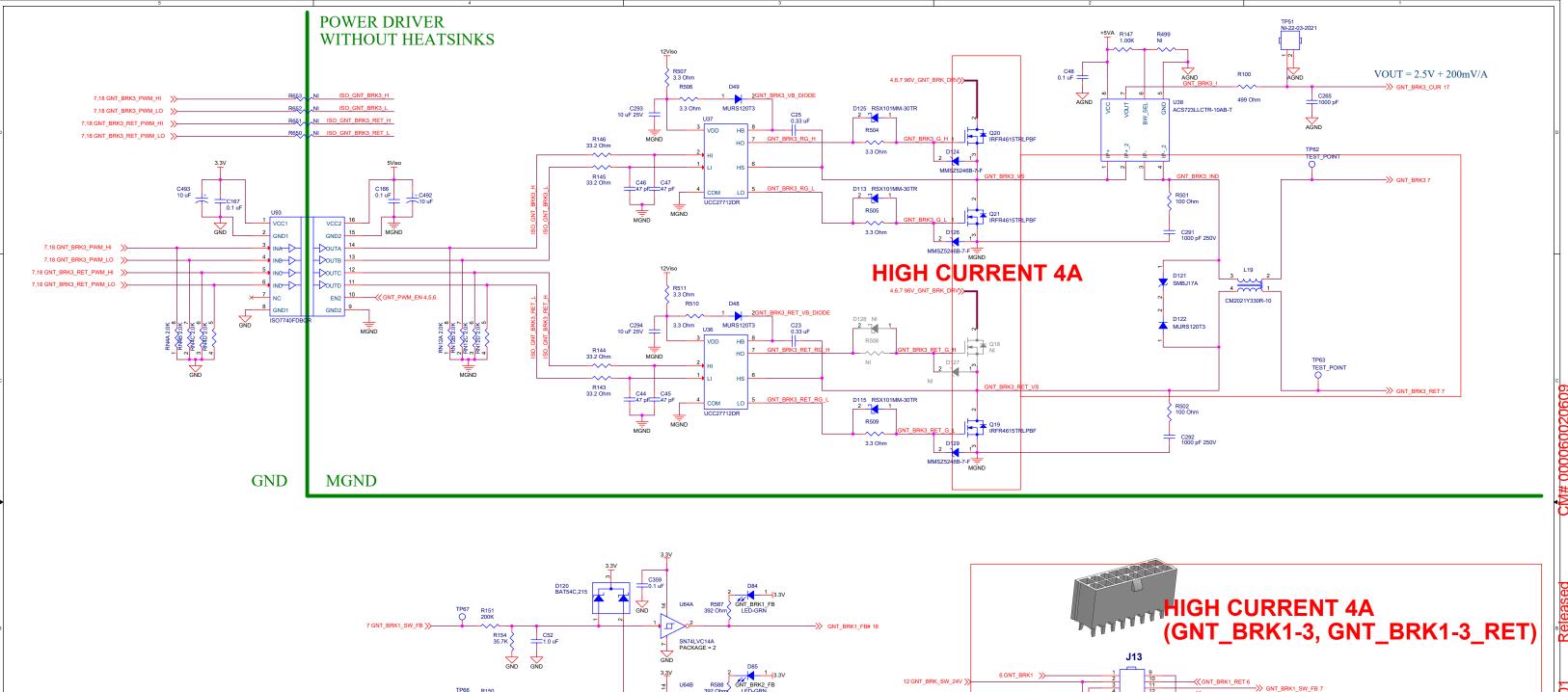


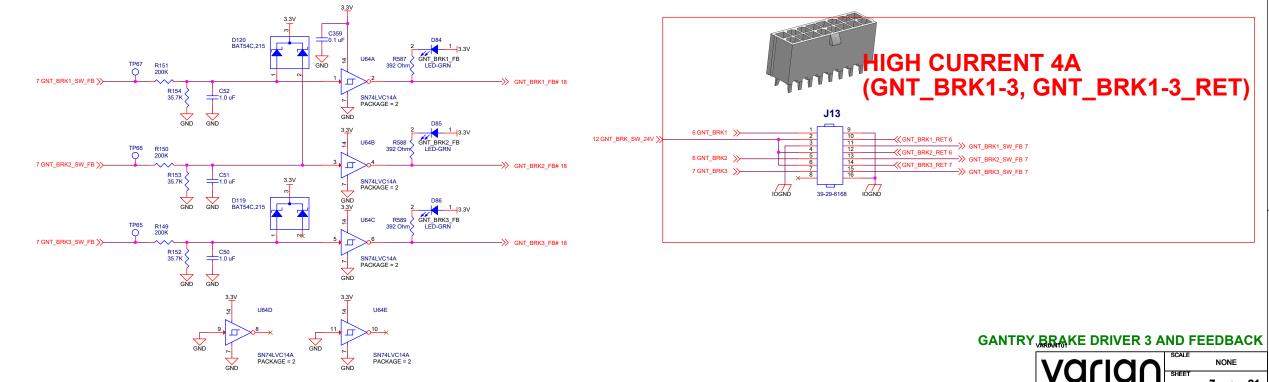






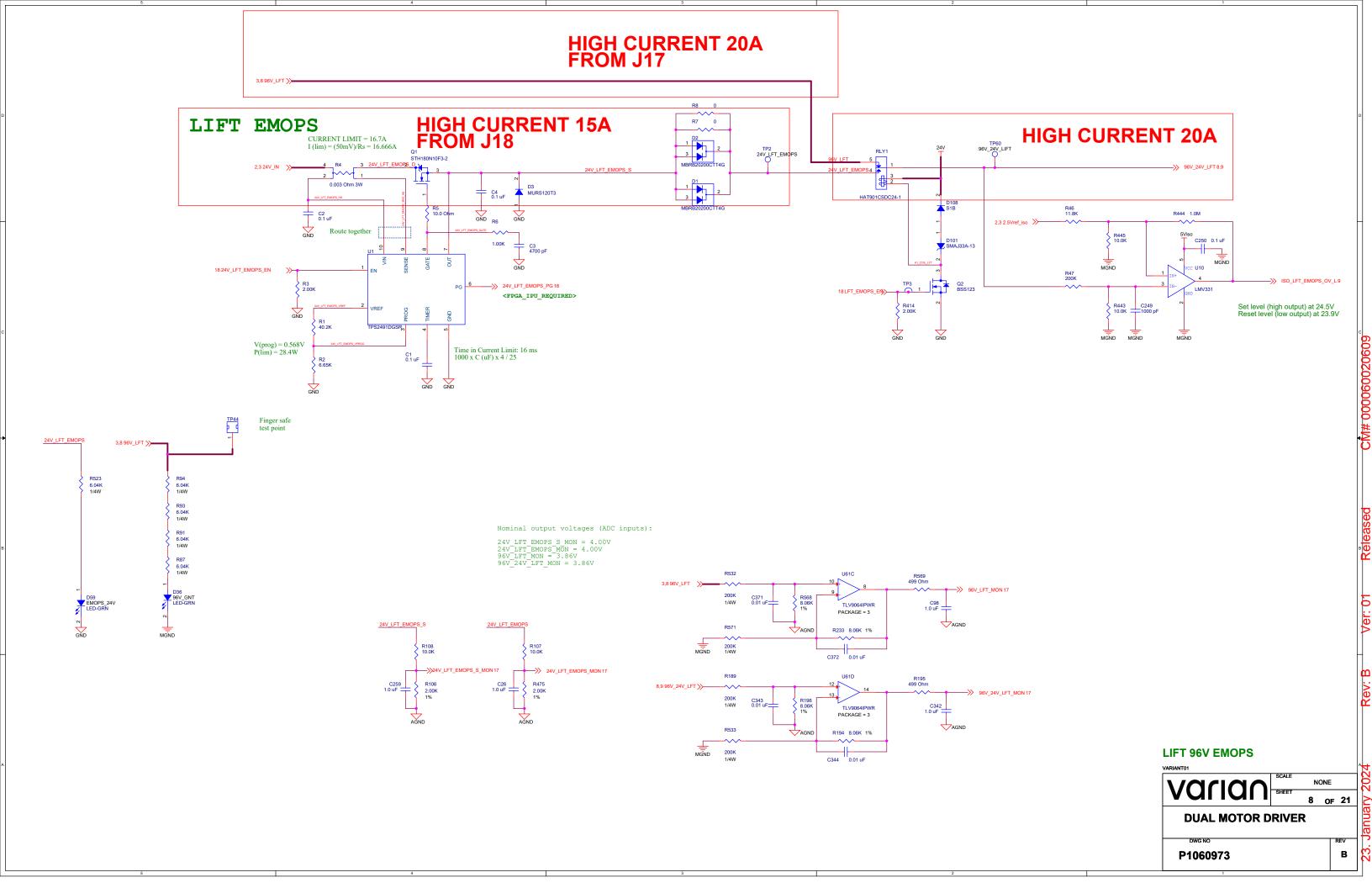


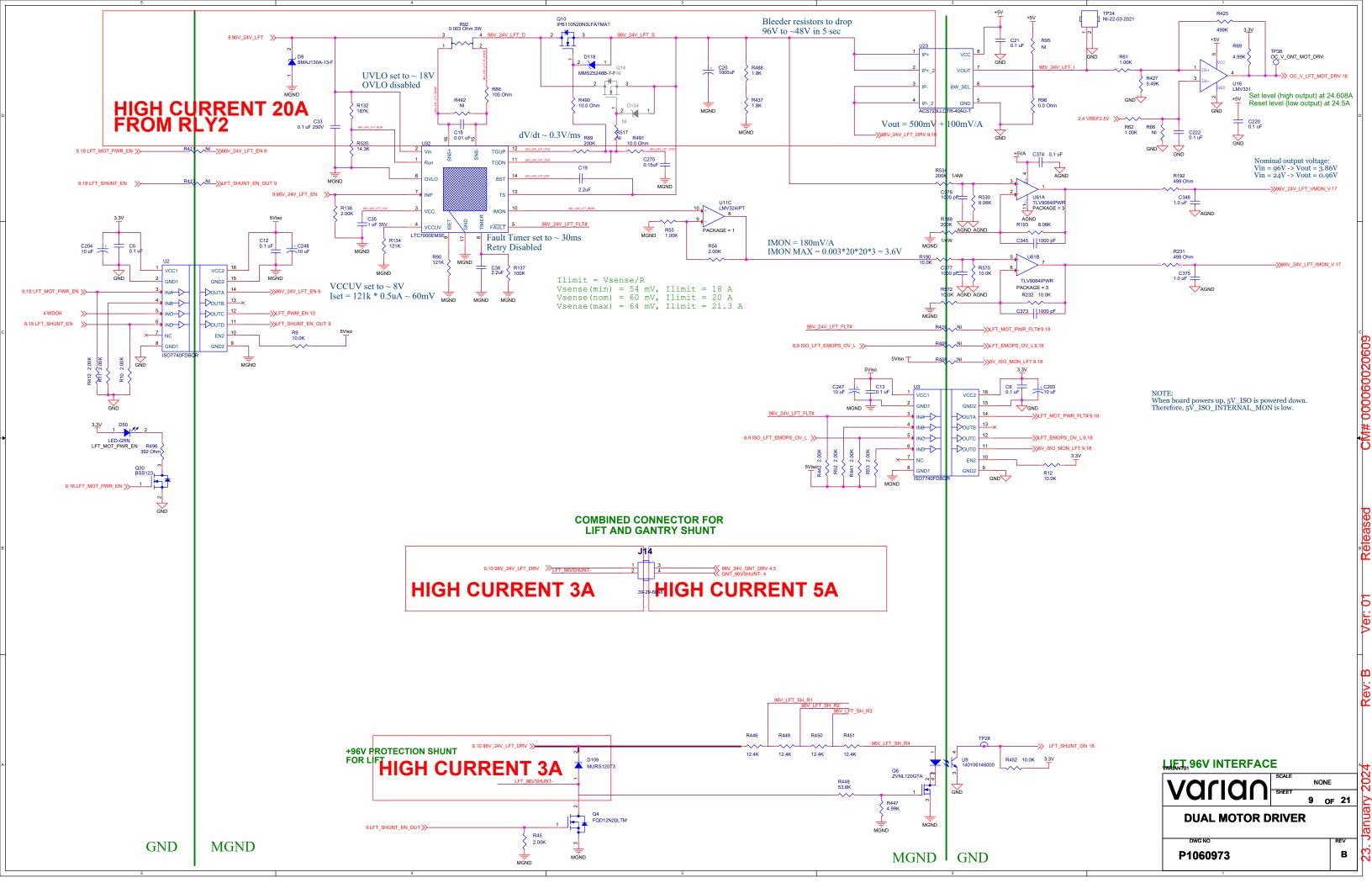


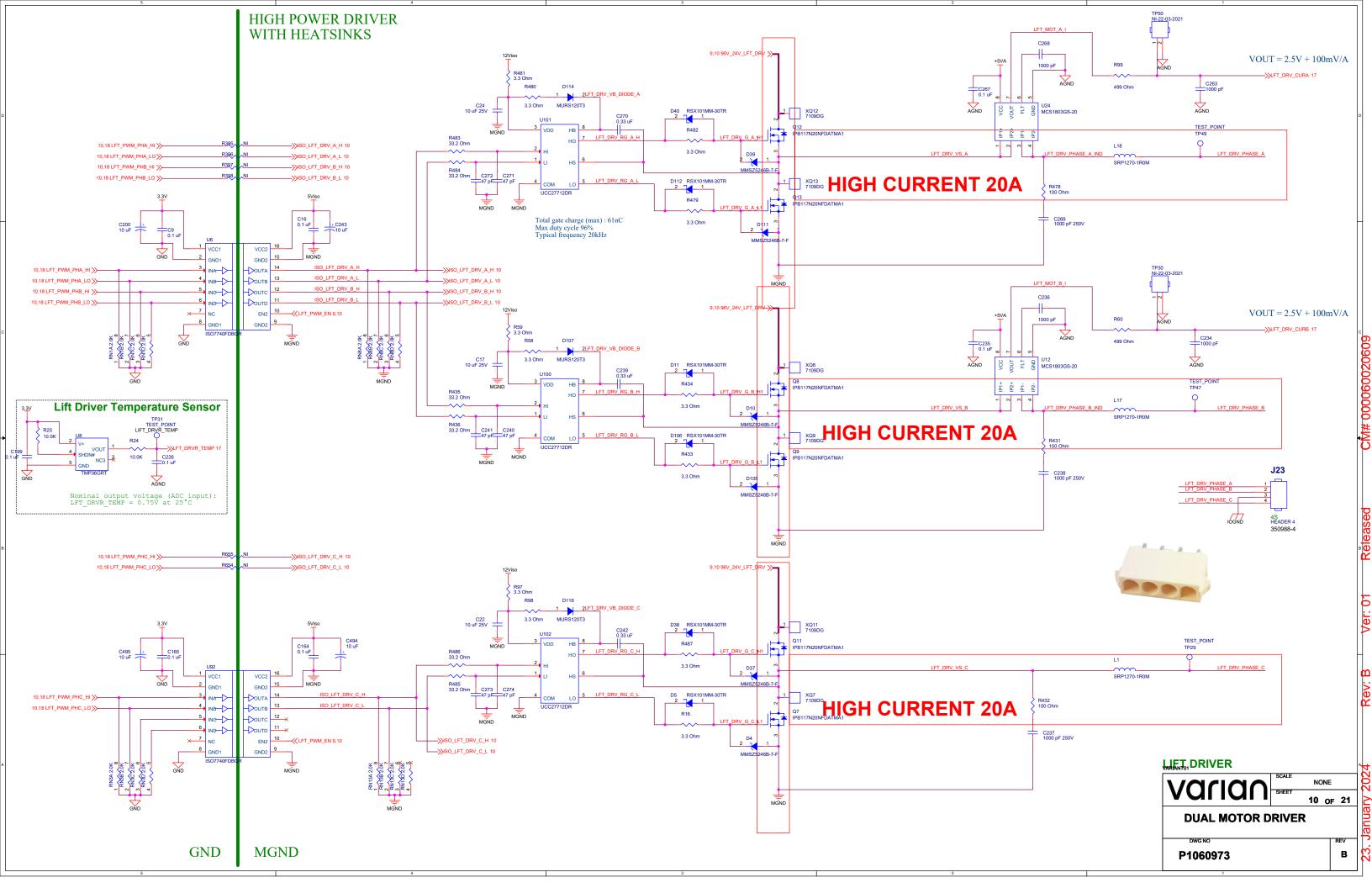


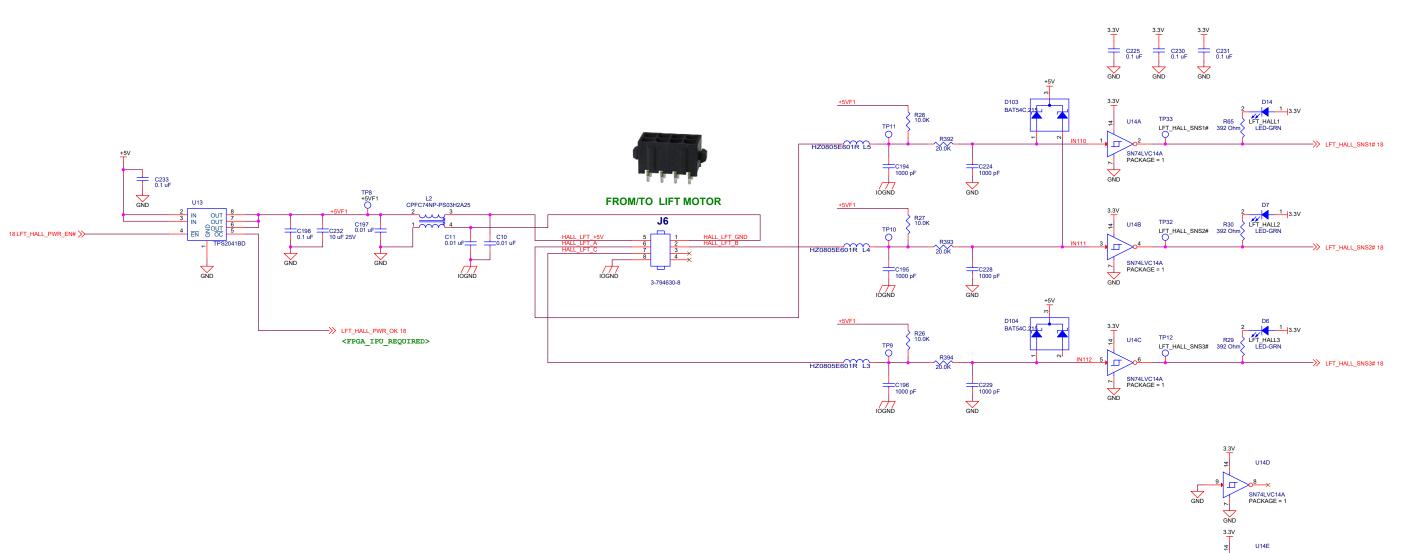
В

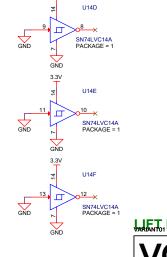
P1060973









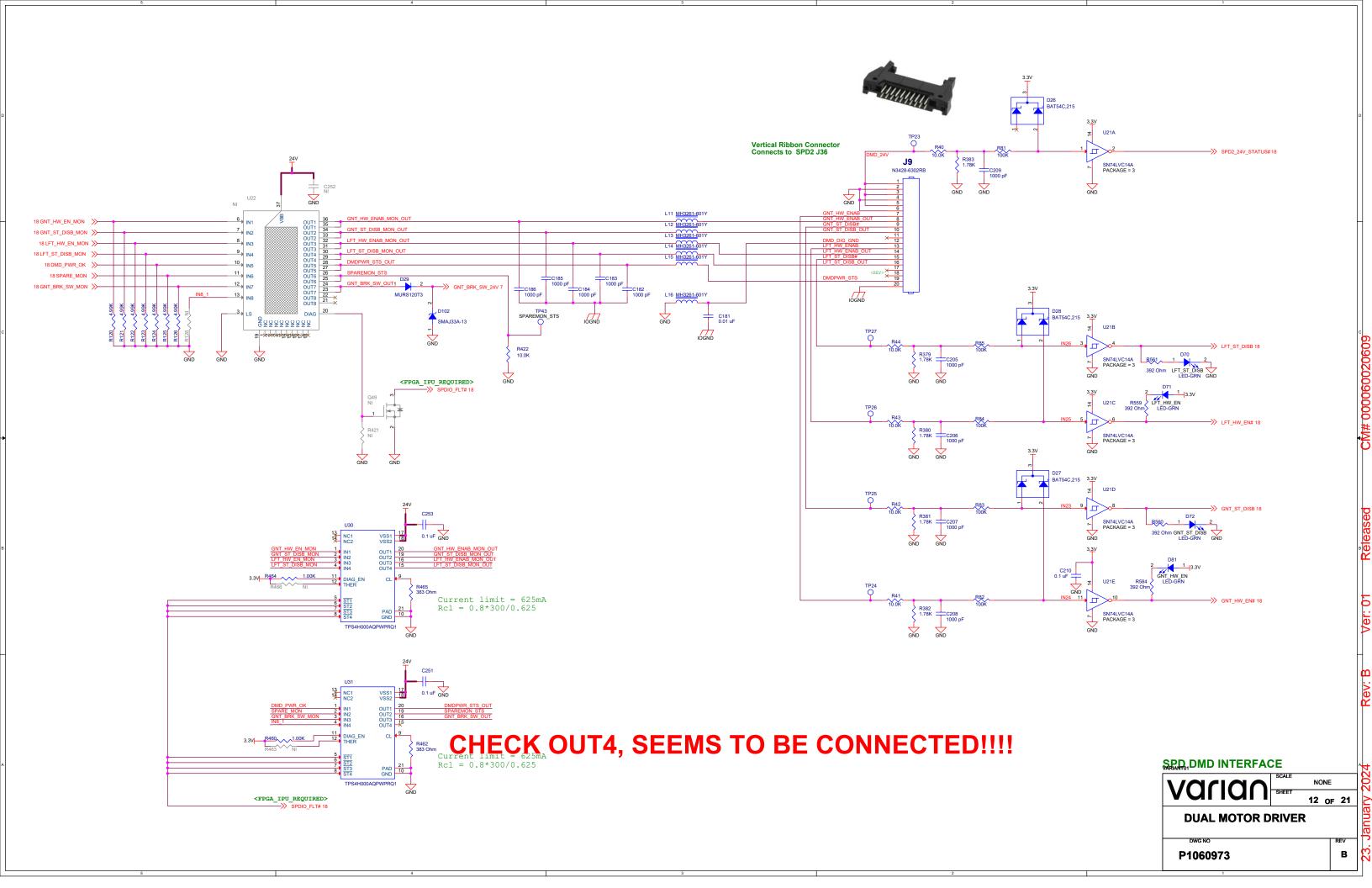


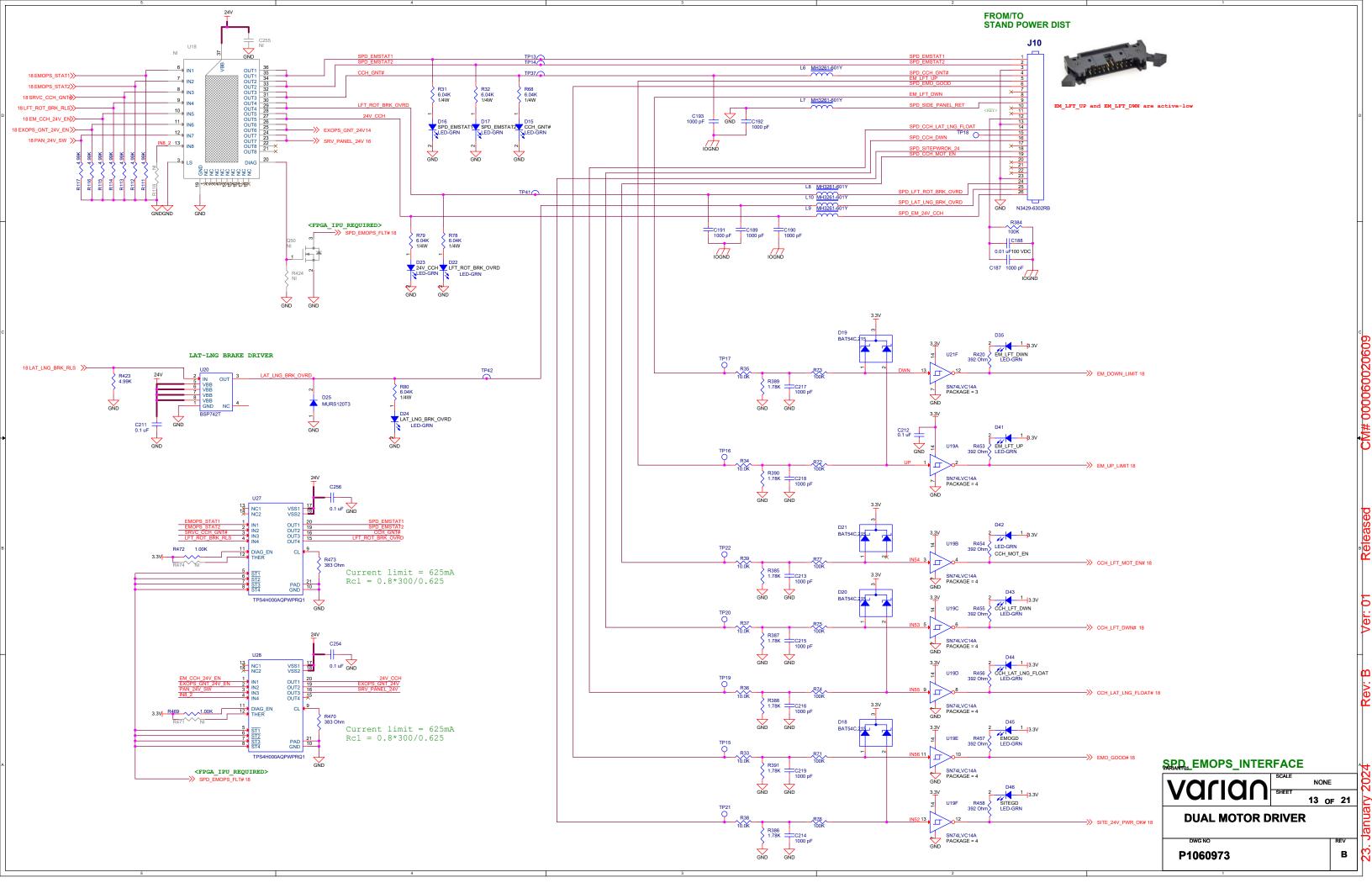
VARANTOI MOTOR HALL SENSOR IF

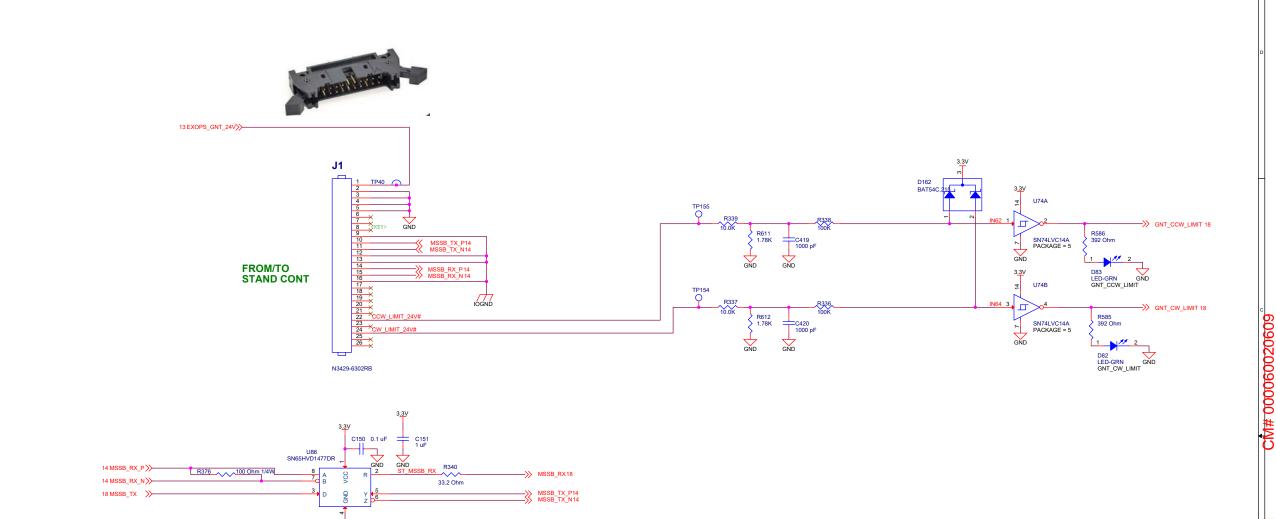
DUAL MOTOR DRIVER

В

P1060973



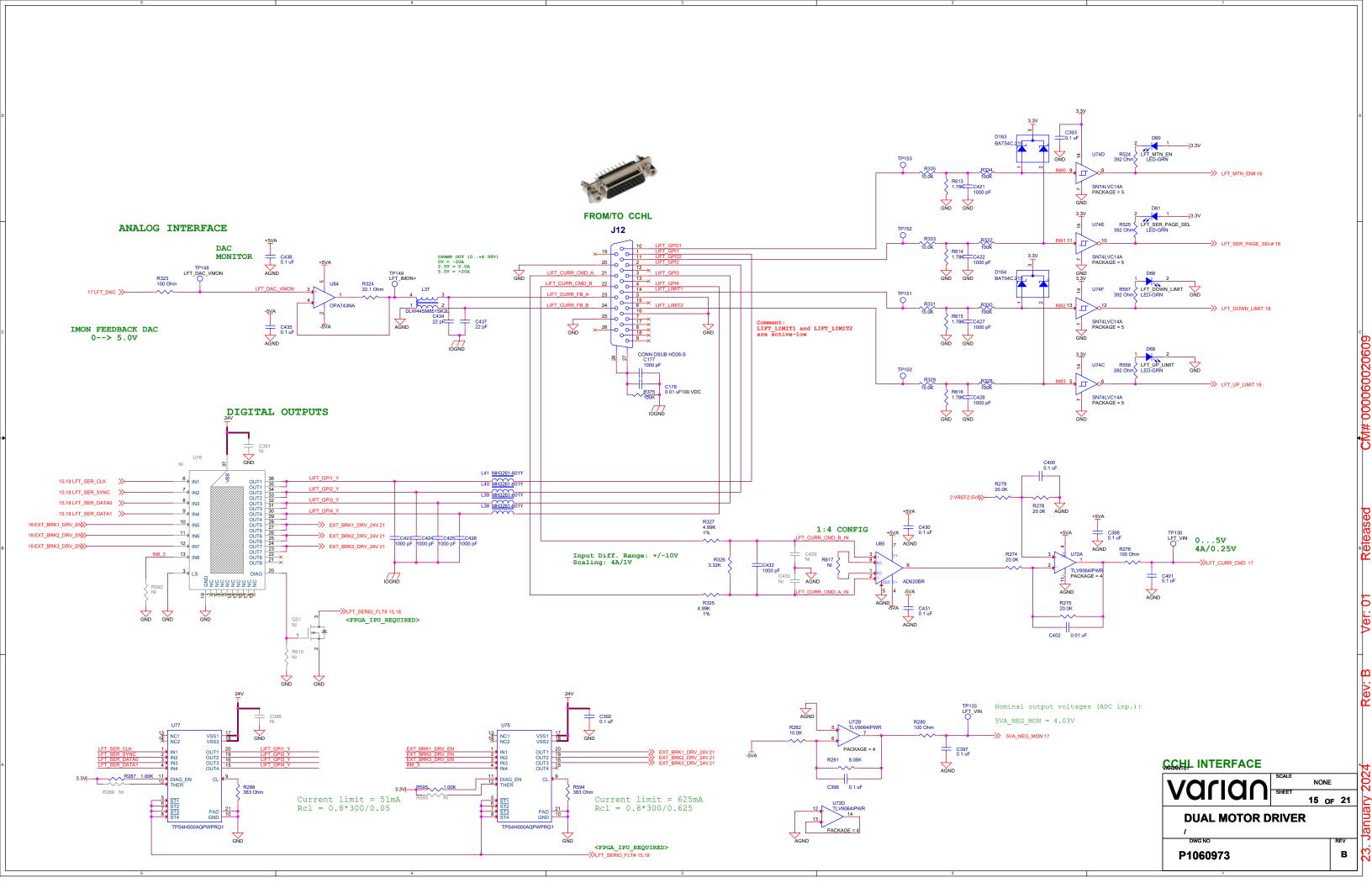


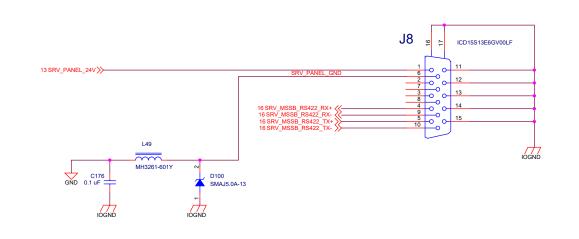




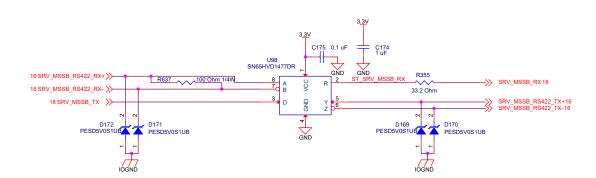
P1060973

В



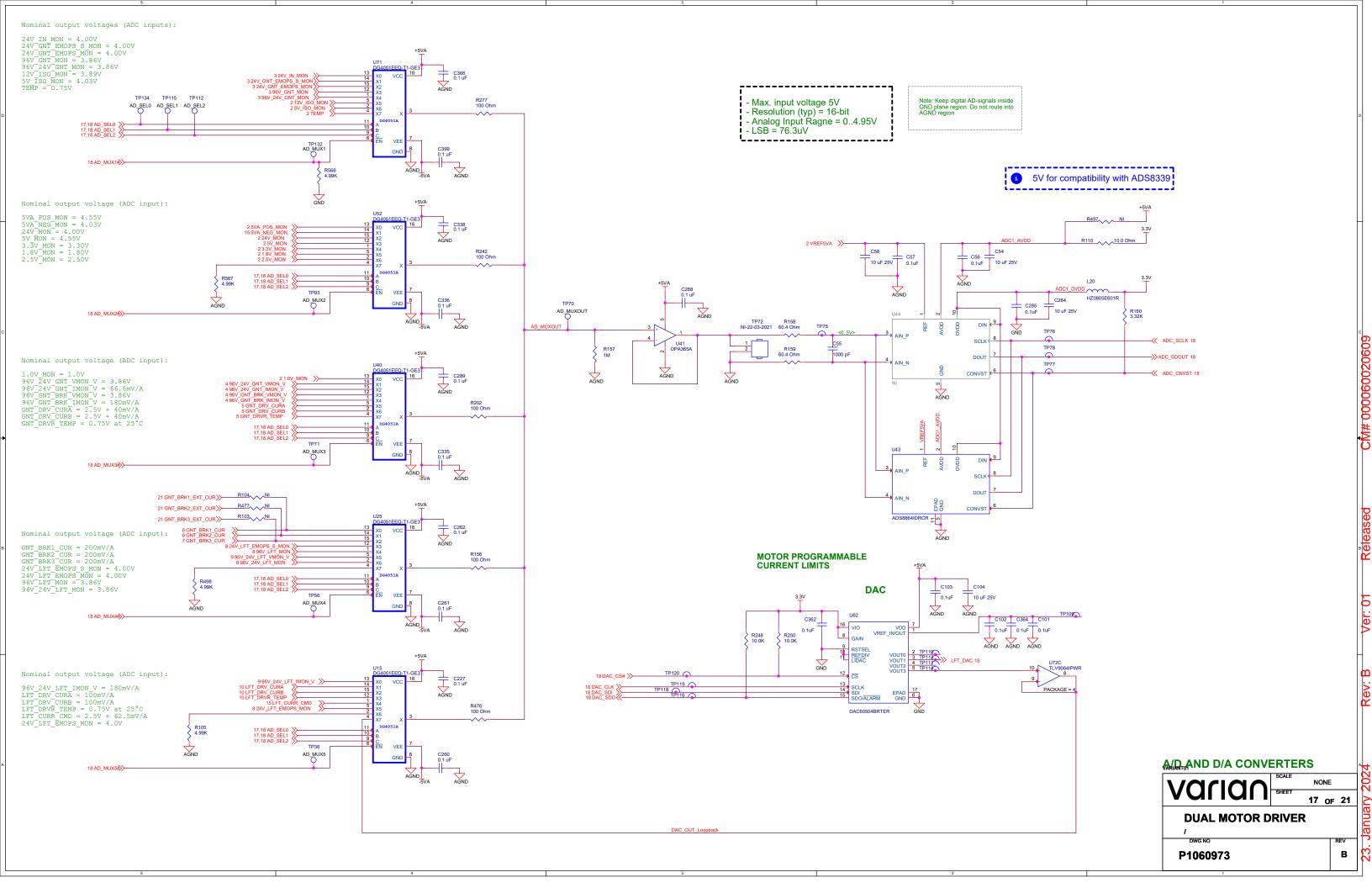


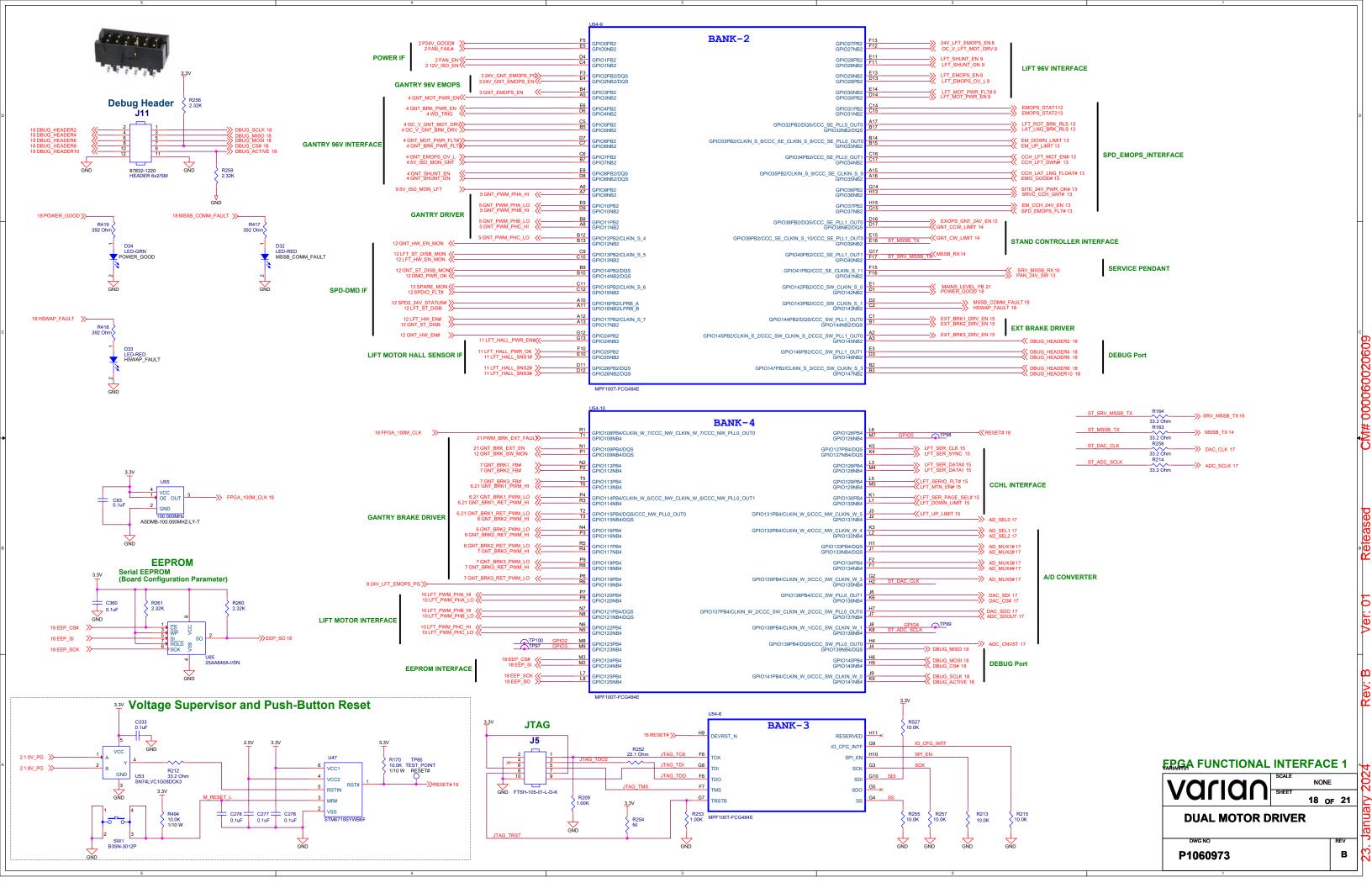


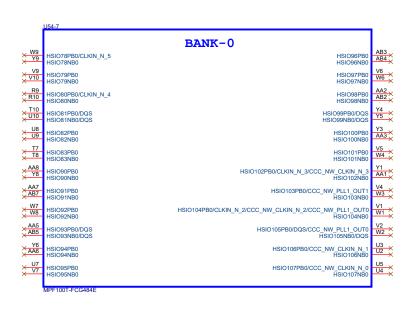


SERVICE PENDANT

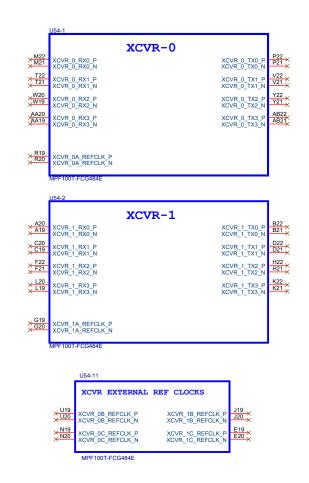








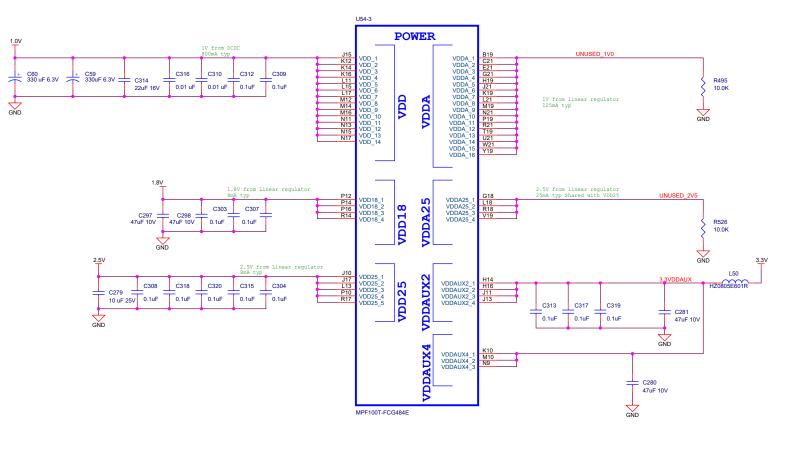


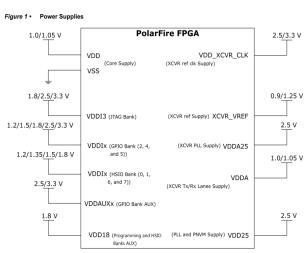


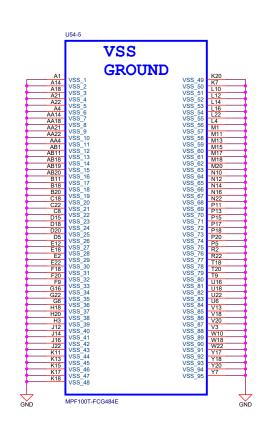


P1060973

REV B







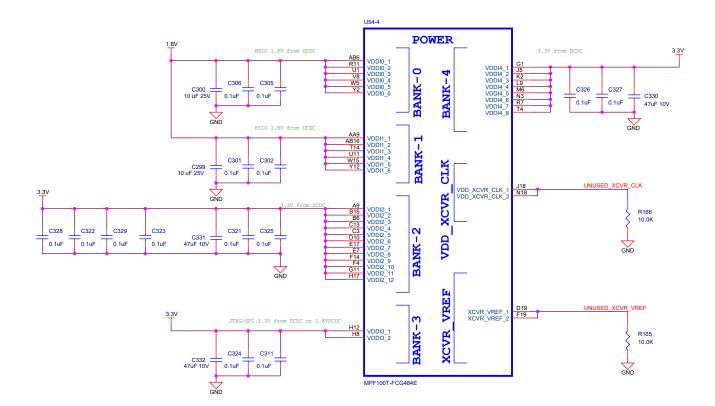


Table 12 • Power-Supply Decoupling Capacitors—MPF100T - FCG484 (1 mm)

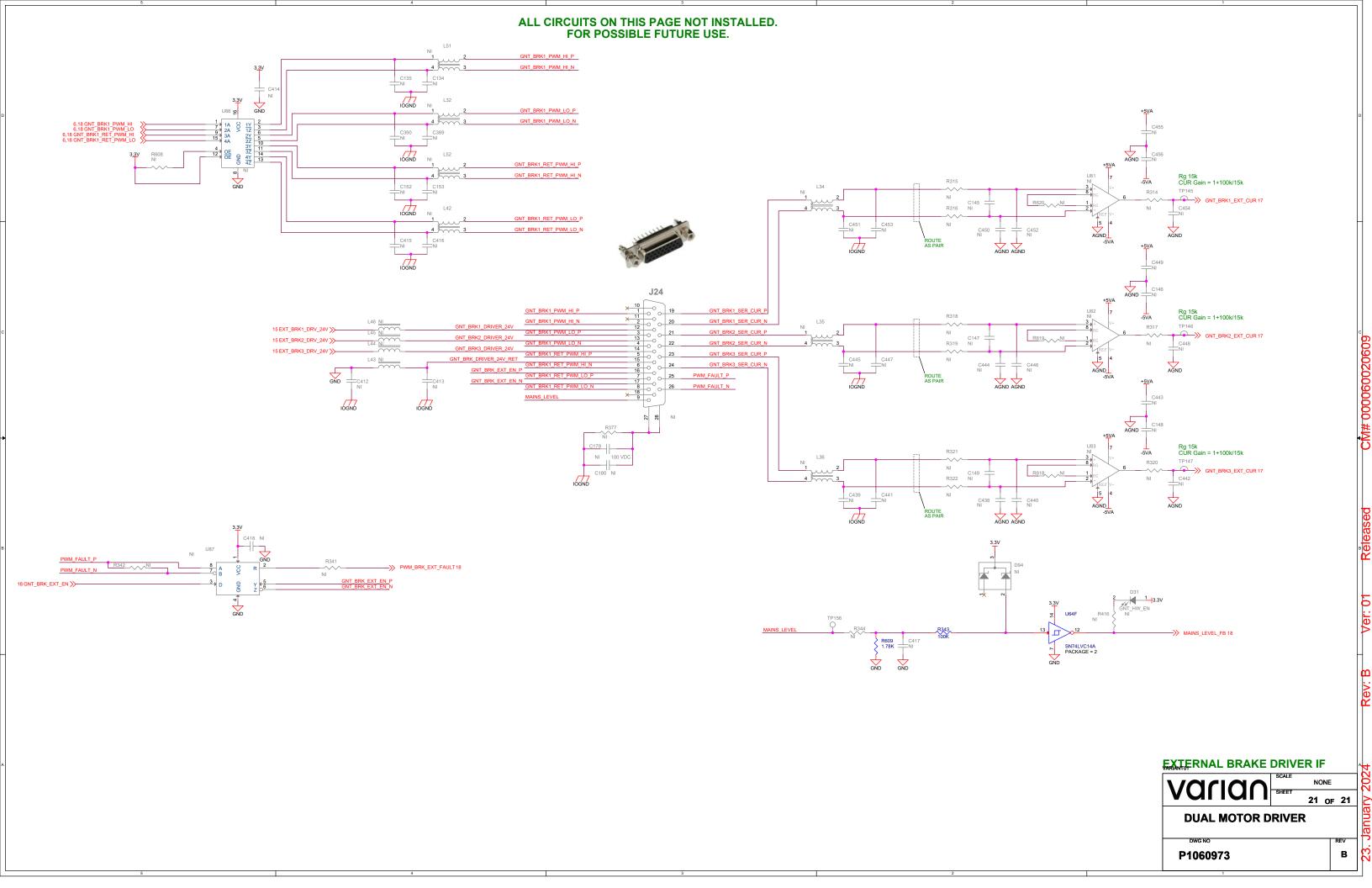
•	•	Tantalum						
Pin Name	4.7 nF	10 nF	0.1 μF	1 μF	4.7 µF	10 μF	47 μF	330 µF
V _{DD}		2	2					1
V _{DD18}			2				2	
V _{DD25}			5			1		
V_{DDA}	3	1	6				1	
V _{DDA25}			4				1	
V _{DDIO3}			2			1		
V _{DDAUXx} ¹			2				1	
GPIO Bank ²			2				1	
HSIO Bank ³			2				1	
VDD_XCVR_CLK			2			1		
XCVR_VREF			2					

- 1. Required Decoupling Capacitor for each VDDAUXx.
- 2. Required Decoupling Capacitor for each GPIO bank.
- Required Decoupling Capacitor for each HSIO bank.



В

P1060973



Signature File



Document: P1060973/SCH/000/01

Description: SCH, DUAL MOTOR DRIVER

Change Master Number: 60020609 ECN Number: 200109363

ECN Description:

Signature list

Date	Time	User	Status
23, January 2024	18:57:04	Gary Yen	Released
23, January 2024	18:56:01	Rami Abdelmotalib	Approved
23, January 2024	03:36:52	Kevin Greenberg	In Eng Approval
09, December 2023	00:06:21	Gary Yen	In Checking
08, December 2023	15:53:01	Gary Yen	In Drafting
17, November 2023	21:16:05	Gary Yen	In Works