

UCB2 - V2

Unified Control Board - 2

PCB-00032000-01

PCB



KOLLMORGEN SERVOTRONIX LTD.

Title

UCB2 - MAIN PAGE

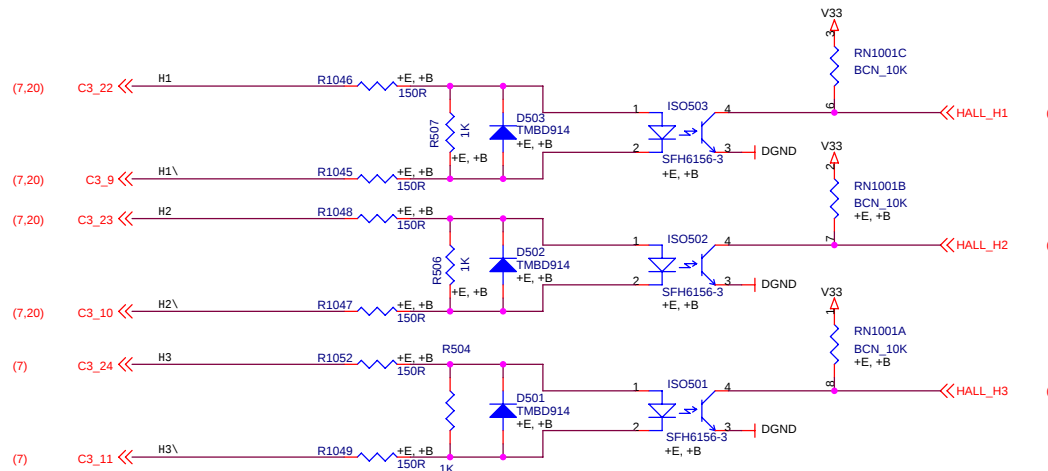
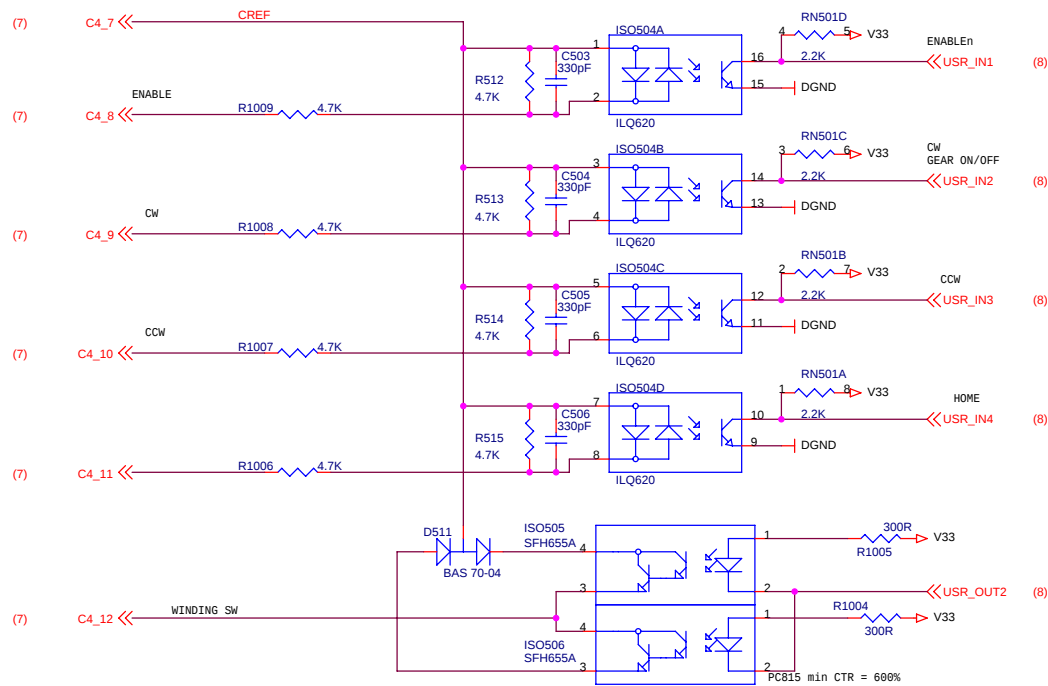
Size
A4

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SCH-00032000-02

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2

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V33 V33 (2,3,5,8,12,15,19,20,21)
VCC VCC (2,3,5,7,8,9,10,11,12,13,14,15,16,20)
AGND AGND (5,6,7,14,17,18,19,20)
DGND DGND (2,3,5,7,8,9,10,11,12,13,14,15,16,20,21)
+12V +12V (5,6,7,8,9,10,11,14,17,18,19,20)
-12V -12V (5,6,7,9,10,14,17,18,19,20)

KOLLMORGEN SERVOTRONIX L.T.D.

Daniv Park 21C Yagia Kapayim St. POB 3919
Petah Tikva 49130
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Title

UCB2 - USER I/O

Size
A3

Document Number

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2

Date:

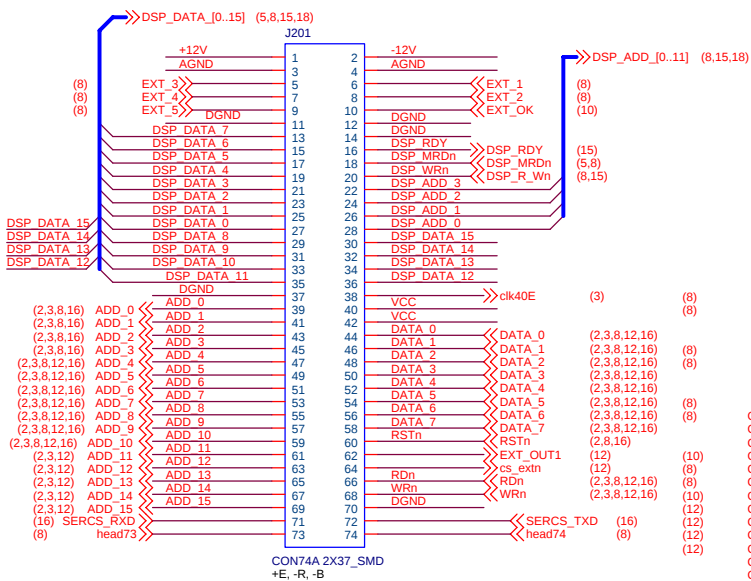
Monday, February 25, 2002

Sheet

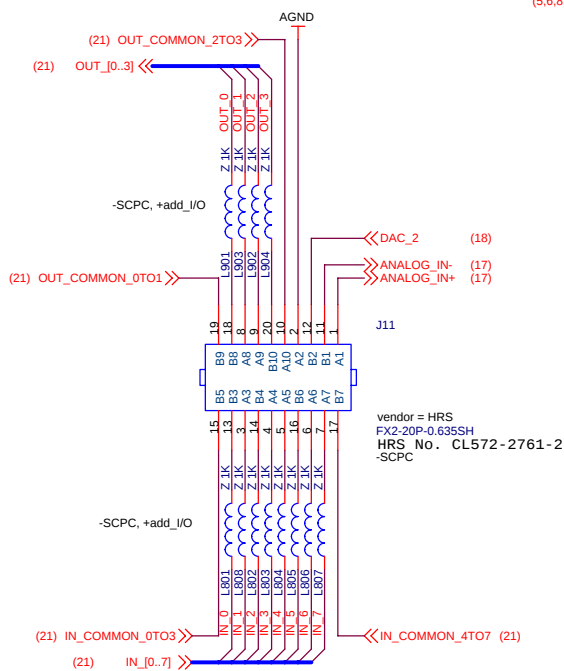
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USER I/O

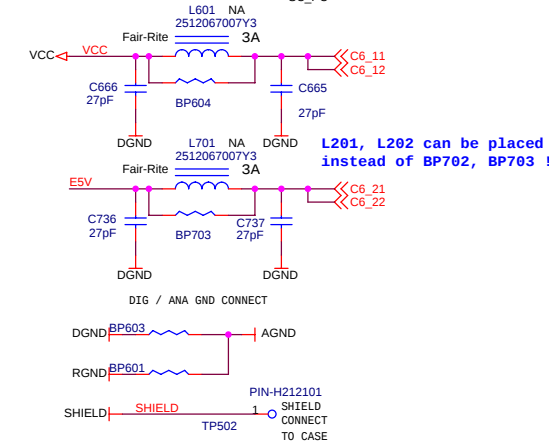
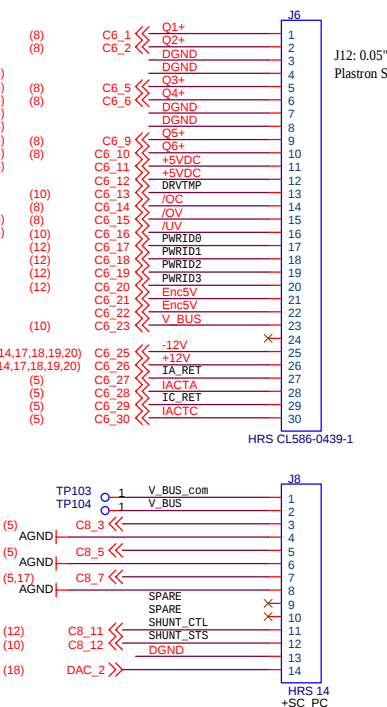
EXTENSION BOARDS



ADDITIONAL USER I/O

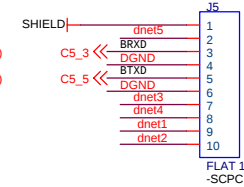


POWER UNIT

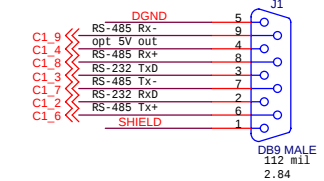


FRONT PANNEL

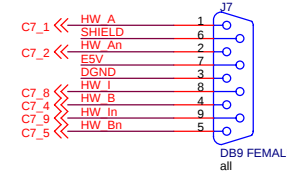
DAISY CHAIN



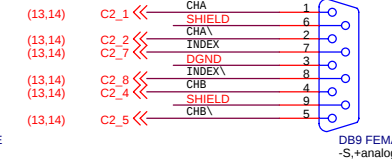
SERIAL COMMUNICATION



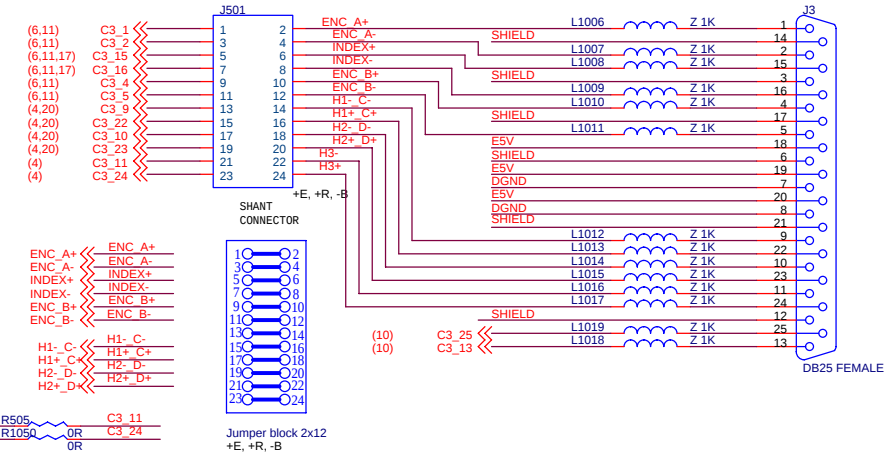
HAND WHEEL



ENCODER SIMULATION



FEEDBACK CONNECTOR



PIN	RESOLVER	ENCODER	TACHOMETER
1	SIN+	A	
2	SHIELD	A SHIELD	SHIELD
14	SIN-	A\	
15	REF+	INDEX	TACH HIGH
3	SHIELD	INDEX\	SHIELD
16	REF-	SHIELD	TACH LOW
4	COS+	B	
17	SHIELD	B SHIELD	SHIELD
5	COS-	B\	
18	ENV SUPPLY	ENV SUPPLY	ENV SUPPLY
6	SHIELD	SHIELD	SHIELD
19	ENV SUPPLY	ENV SUPPLY	ENV SUPPLY
7	ENV RETURN	ENV RETURN	ENV RETURN
20	ENV SUPPLY	ENV SUPPLY	ENV SUPPLY
8	ENV RETURN	ENV RETURN	ENV RETURN
21	SHIELD	SHIELD	SHIELD
9		H1	
22		H1	
10		H2\	
23		H2	
11		H3\	
24		H3	
12	SHIELD	SHIELD	SHIELD
25	THERMOSTAT-	THERMOSTAT-	THERMOSTAT-
13	THERMOSTAT+	THERMOSTAT+	THERMOSTAT+



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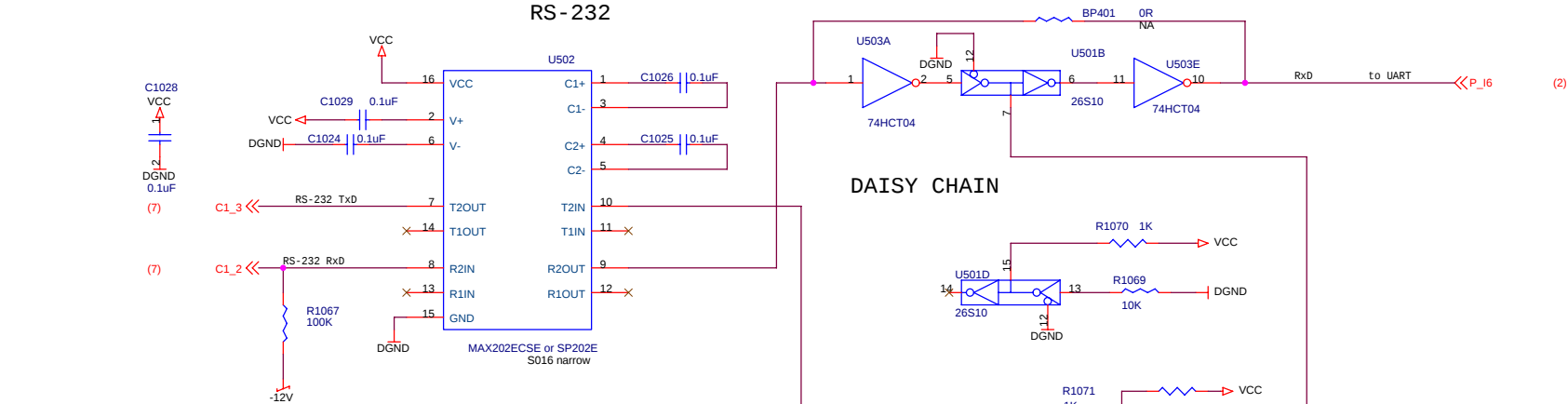
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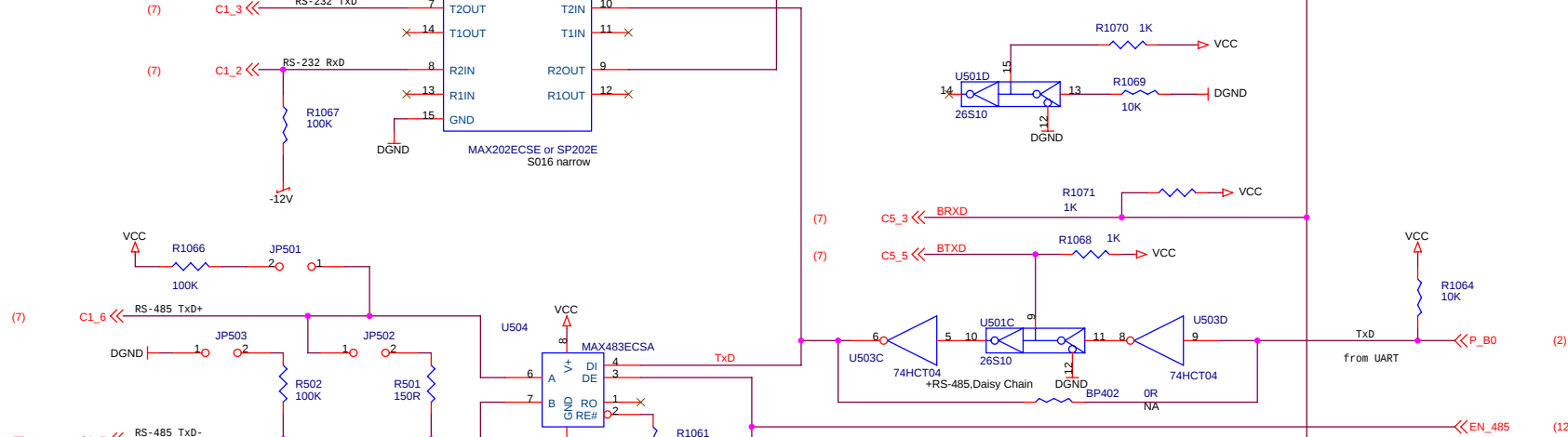
UCB2 - CONNECTORS

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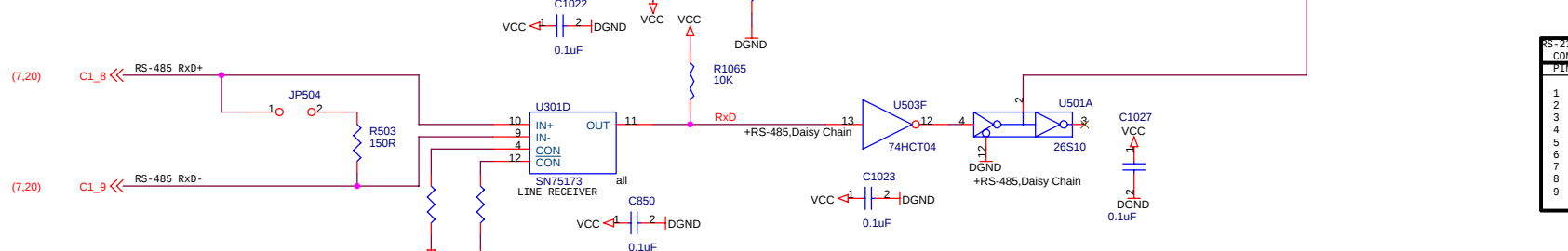
RS-232



DAISY CHAIN



RS-485



change resistor value

RS-232 OR RS-485 CONNECTOR C1		DAISY CHAINE CONNECTOR C5	
PIN	SIGNAL	PIN	SIGNAL
1	SHIELD	1	
2	RxD	2	
3	TxD	3	BRXD
4	NC	4	COMMON
5	SGND	5	BTXD
6	TX+	6	COMMON
7	TX-	7	
8	RX+	8	
9	RX-	9	
		10	

VCC (2,3,5,7,8,10,11,12,13,14,15,16,20)
 AGND (5,6,7,14,17,18,19,20)
 DGND (2,3,4,5,7,8,10,11,12,13,14,15,16,20,21)
 +12V (5,6,7,8,10,11,14,17,18,19,20)
 -12V (5,6,7,10,14,17,18,19,20)
 SHIELD (7,14)

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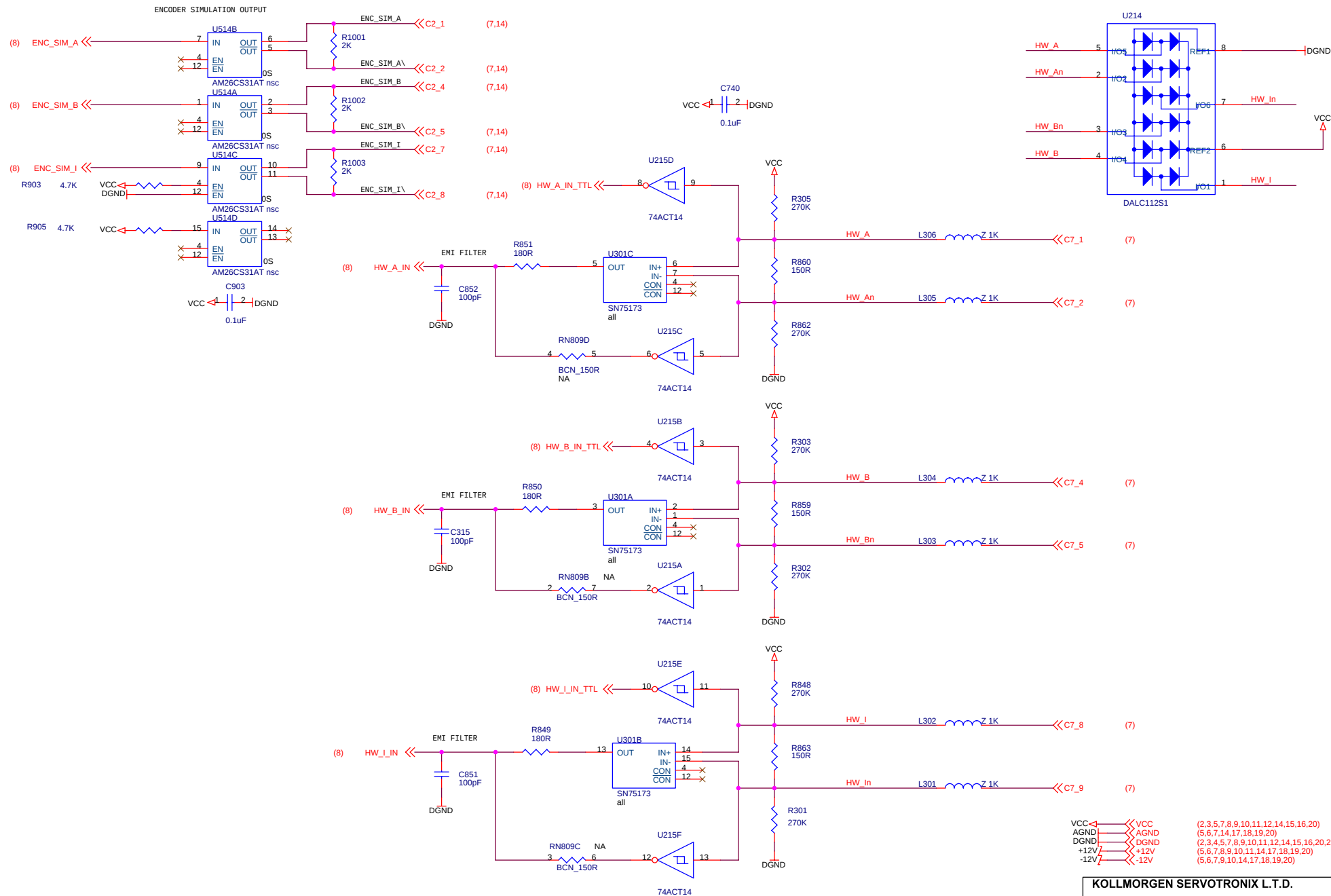


Title

UCB2 - COMMUNICATION & DISPLAY

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VCC (2,3,5,7,8,9,10,11,12,14,15,16,20)
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UCB2 - HAND WHEEL INTERFACE

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