

A. Connector and Wiring Specs

Table A–1: Back Panel Azimuth and Elevation Inputs

J1 AZ INPUT				J2 EL INPUT			
Panel Pin	Signal name	Backplane Pin	P9 Ribbon	Panel Pin	Signal name	Backplane Pin	P9 Ribbon
1	AZIN0	P3C3	25	1	ELIN0	P3B19	50
2	AZIN1	P3C4	23	2	ELIN1	P3B20	48
3	AZIN2	P3C5	21	3	ELIN2	P3B21	46
4	AZIN3	P3C6	19	4	ELIN3	P3B22	44
5	AZIN4	P3C7	17	5	ELIN4	P3B23	42
6	AZIN5	P3C8	15	6	ELIN5	P3B24	40
7	AZIN6	P3C9	13	7	ELIN6	P3B25	38
8	AZIN7	P3C10	11	8	ELIN7	P3B26	36
9	AZIN8	P3C11	9	9	ELIN8	P3C19	34
10	AZIN9	P3C12	7	10	ELIN9	P3C20	32
11	AZIN10	P3C13	5	11	ELIN10	P3C21	30
12	AZIN11	P3C14	3	12	ELIN11	P3C22	28
13	AZIN12	P3C15	1	13	ELIN12	P3C23	26
14	AZIN13	P3C16	24	14	ELIN13	P3C24	49
15	AZIN14	P3C17	22	15	ELIN14	P3C25	47
16	AZIN15	P3C18	20	16	ELIN15	P3C26	45
17	---		18	17	---		43
18	AZOKAY	P3C27	16	18	ELOKAY	P3C28	41
19	---		14	19	---		39
20	---		12	20	---		37
21	---		10	21	---		35
22	---		8	22	---		33
23	GND		6	23	GND		31
24	GND		4	24	GND		29
25	GND		2	25	GND		27

- AZIN0–15 TTL levels that specify the pedestal azimuth angle in either 16-bit binary or 16-bit BCD format. These inputs are terminated in 330/470 Ohm resistors to +5V and GND.
- ELIN0–15 Similar to AZIN0–15, except this specifies the pedestal elevation angle.
- AZ/EL/OKAY TTL input — indicates when the sixteen data lines hold a valid angle.
Optional: If unused, leave open.

Table A–2: Back Panel Control and Status Signals

J3 CONTROL				J4 STATUS			
Panel Pin	Signal name	Backplane Pin	P6 Ribbon	Panel Pin	Signal name	Backplane Pin	P6 Ribbon
1	PWOUT0	P2B5	25	1	PWIN0	P2A5	50
2	PWOUT1	P2B6	23	2	PWIN1	P2A6	48
3	RADOUT+	P2B7	21	3	RADIN	P2A7	46
4	RADOUT–	P2B11	19	4			44
5	SERVOUT	P2B8	17	5	SERVIN	P2A8	42
6	TRPWROUT	P2B9	15	6	TRPWRIN	P2A9	40
7	RESETOUT	P2B10	13	7	RESETIN	P2A10	38
8	---		11	8	---		36
9	---		9	9	---		34
10	---		7	10	---		32
11	---		5	11	---		30
12	RELAY+	P2B3	3	12	LOCAL	P2A11	28
13	RELAY–	P2B4	1	13	STANDBY	P2A12	26
14	---		24	14	AIRFLOW	P2A13	49
15	---		22	15	WAVEGP	P2A14	47
16	---		20	16	INTERLCK	P2A15	45
17	---		18	17	MAGCURNT	P2A16	43
18	---		16	18	---		41
19	---		14	19	---		39
20	---		12	20	---		37
21	GND		10	21	GND		35
22	GND		8	22	GND		33
23	GND		6	23	GND		31
24	GND		4	24	GND		29
25	GND		2	25	GND		27

PW/OUT/IN/0–1	TTL levels — Pulse Width control/readback
RADOUT ±	TTL output — Radiate control (complementary signals)
RADIN	TTL input — Radiate readback
SERV/OUT/IN	TTL levels — Servo Power control/readback
TRPWR/OUT/IN	TTL levels — Transmitter/Receiver Power control/readback
RESETOUT	TTL output — 0.5 second pulse for resetting external equipment
RESETIN	TTL input — Permits external equipment to reset the RCP
RELAY ±	Coil driver for external 12V relay in servo cabinet
LOCAL	TTL input — Local-mode external selection
STANDBY	TTL input — Standby status of Transmitter/Receiver
AIRFLOW, WAVEGP, INTERLCK, MAGCURNT	TTL inputs — Status of cabinet airflow, waveguide pressure, door interlocks, and magnetron current.

Table A-3: Back Panel Computer and TTY Serial Ports

J5 COMP SERIAL				J6 SETUP TTY			
Panel Pin	Signal name	Backplane Pin	P3 Ribbon	Panel Pin	Signal name	Backplane Pin	P3 Ribbon
1	GND		25	1	GND		50
2	SIORCV	P3A19	23	2	TTYRCV	P3A25	48
3	SIOXMT	P3A20	21	3	TTYXMT	P3A26	46
4	SIORTS	P3A21	19	4	TTYRTS	P3A27	44
5	SIOCTS	P3A22	17	5	TTYCTS	P3A28	42
6	SIODSR	P3A23	15	6	TTYDSR	P3A29	40
7	GND		13	7	GND		38
8	---		11	8	---		36
9	---		9	9	---		34
10	---		7	10	---		32
11	---		5	11	---		30
12	---		3	12	---		28
13	---		1	13	---		26
14	---		24	14	---		49
15	---		22	15	---		47
16	---		20	16	---		45
17	---		18	17	---		43
18	---		16	18	---		41
19	---		14	19	---		39
20	SIODTR	P3A24	12	20	TTYDTR	P3A30	37
21	---		10	21	---		35
22	---		8	22	---		33
23	---		6	23	---		31
24	---		4	24	---		29
25	---		2	25	---		27

SIORCV/XMT	RS232 levels — Data from/to host computer
SIORTS/CTS	RS232 levels — Flow control for host computer
SIODSR/DTR	RS232 levels — Modem control for host computer
TTYRCV/XMT	RS232 levels — Data from/to local setup TTY
TTYRTS/CTS	RS232 levels — Flow control for local setup TTY
TTYDSR/DTR	RS232 levels — Modem control for local setup TTY

Table A–4: Back Panel Azimuth and Elevation Outputs

J7 AZ OUTPUT				J8 EL OUTPUT			
Panel Pin	Signal name	Backplane Pin	P8 Ribbon	Panel Pin	Signal name	Backplane Pin	P8 Ribbon
1	AZOUT0	P3A3	25	1	ELOUT0	P3B3	50
2	AZOUT1	P3A4	23	2	ELOUT1	P3B4	48
3	AZOUT2	P3A5	21	3	ELOUT2	P3B5	46
4	AZOUT3	P3A6	19	4	ELOUT3	P3B6	44
5	AZOUT4	P3A7	17	5	ELOUT4	P3B7	42
6	AZOUT5	P3A8	15	6	ELOUT5	P3B8	40
7	AZOUT6	P3A9	13	7	ELOUT6	P3B9	38
8	AZOUT7	P3A10	11	8	ELOUT7	P3B10	36
9	AZOUT8	P3A11	9	9	ELOUT8	P3B11	34
10	AZOUT9	P3A12	7	10	ELOUT9	P3B12	32
11	AZOUT10	P3A13	5	11	ELOUT10	P3B13	30
12	AZOUT11	P3A14	3	12	ELOUT11	P3B14	28
13	AZOUT12	P3A15	1	13	ELOUT12	P3B15	26
14	AZOUT13	P3A16	24	14	ELOUT13	P3B16	49
15	AZOUT14	P3A17	22	15	ELOUT14	P3B17	47
16	AZOUT15	P3A18	20	16	ELOUT15	P3B18	45
17	---		18	17	---		43
18	---		16	18	---		41
19	---		14	19	---		39
20	---		12	20	---		37
21	---		10	21	---		35
22	---		8	22	---		33
23	GND		6	23	GND		31
24	GND		4	24	GND		29
25	GND		2	25	GND		27

AZOUT0–15 TTL levels indicating the corrected Earth azimuth angle in 16-bit binary format or 14-bit BCD. These outputs are available for connection to any nearby equipment that requires Earth, rather than pedestal, angles.

ELOUT0–15 Similar AZOUT0–15, except this indicates the corrected Earth elevation.

Table A-5: Back Panel Inertial Navigation Unit

J9 INU				J10			
Panel Pin	Signal name	Backplane Pin	P5 Ribbon	Panel Pin	Signal name	Backplane Pin	P5 Ribbon
1	GND		25	1			50
2	---		23	2			48
3	---		21	3			46
4	INUXMT-	P2B15	19	4			44
5	---		17	5			42
6	INURCV-	P2B13	15	6			40
7	---		13	7			38
8	INURCLK-	P2B17	11	8			36
9	---		9	9			34
10	INUXCLK-	P2B22	7	10			32
11	---		5	11			30
12	---		3	12			28
13	---		1	13			26
14	GND		24	14			49
15	---		22	15			47
16	INUXMT+	P2B14	20	16			45
17	---		18	17			43
18	INURCV+	P2B12	16	18			41
19	---		14	19			39
20	INURCLK+	P2B16	12	20			37
21	---		10	21			35
22	INUXCLK+	P2B21	8	22			33
23	---		6	23			31
24	---		4	24			29
25	---		2	25			27

INURCV \pm RS422 levels — HDLC data stream from the INU
 INURCLK \pm RS422 levels — Clock from the INU (for INURCV \pm)
 INUXMT \pm RS422 levels — HDLC simulated data stream from the RCP02
 INUXCLK \pm RS422 levels — Clock from the RCP02 (for INUXMT \pm)

Table A–6: Back Panel Motion Control, and Miscellaneous I/O

J11 DRIVE/TACH				J12 MISC I/O			
Panel Pin	Signal name	Backplane Pin	P2 Ribbon	Panel Pin	Signal name	Backplane Pin	P2 Ribbon
1	AZDRIVE	P3C29	25	1	MODEOUT0	P2B18	50
2	GND		23	2	MODEOUT1	P2B19	48
3	ELDRIVE	P3C30	21	3	MODEOUT2	P2B20	46
4	GND		19	4	---		44
5	AZTACH+	P3B27	17	5	---		42
6	GND		15	6	---		40
7	AZTACH-	P3B28	13	7	---		38
8	GND		11	8	---		36
9	ELTACH+	P3B29	9	9	---		34
10	GND		7	10	---		32
11	ELTACH-	P3B30	5	11	---		30
12	GND		3	12	---		28
13	---		1	13	---		26
14	ELIMHI	P2A3	24	14	MODEIN0	P2A18	49
15	ELIMLO	P2A4	22	15	MODEIN1	P2A19	47
16	---		20	16	MODEIN2	P2A20	45
17	---		18	17	---		43
18	---		16	18	---		41
19	---		14	19	---		39
20	---		12	20	---		37
21	GND		10	21	GND		35
22	GND		8	22	GND		33
23	GND		6	23	GND		31
24	GND		4	24	GND		29
25	GND		2	25	GND		27

AZ/EL/DRIVE Analog outputs — Azimuth and Elevation motor drive signals, – 10 to + 10V span.

AZ/EL/TACH ± Differential Analog inputs — Azimuth and Elevation pedestal tachometer signals; Jumper selectable input voltage range up to ±150V at full rotation speed

ELIM/LO/HI CMOS inputs — Elevation axis limit switches

MODE/OUT/IN/0–3 TTL levels — Mode control and readback

Table A–7: Back Panel Synchro Input Connector (J13)

1 [Brn]EL Ref+	4 [Yel]EL Syn2	7 [Pur]AZ Ref+	10 [Blk]AZ Syn2
2 [Red]EL Ref-	5 [Grn]EL Syn3	8 [Gry]AZ Ref-	11 [Tan]AZ Syn3
3 [Org]EL Syn1	6 [Blu]Ground	9 [Wht]AZ Syn1	12 [Pnk]Ground

(Connector viewed from rear of chassis)

Ref & Syn The elevation and azimuth synchro signals are nominally 90V, 60Hz. Other voltage and frequency combinations are available by special order.

Physical Panel cap is AMP 350783–1. Cable plug is AMP 350735–1. Strain relief (2 pieces per cable) is AMP 640717–1. Cable is Beldon 8457,

12-conductor, pigtail length approx 8-inches. There are plug keys on pins 1, 3, and 11.

Table A–8: Internal Mini Mate-n-Lock AMP Synchro Connector

6 [Blu](11)	5 [Grn](9)	4 [Yel](7)	3 [Org](5)	2 [Red](3)	1 [Brn](1)
12 [Pnk](12)	11 [Tan](10)	10 [Blk](8)	9 [Wht](6)	8 [Gry](4)	7 [Pur](2)

(Numbers in parenthesis are schematic pin numbers)

Table A–9: Spare Connectors

J15				J16			
Panel Pin	Signal name	Backplane Pin	P1 Ribbon	Panel Pin	Signal name	Backplane Pin	P1 Ribbon
1			25	1			50
2			23	2			48
3			21	3			46
4			19	4			44
5			17	5			42
6			15	6			40
7			13	7			38
8			11	8			36
9			9	9			34
10			7	10			32
11			5	11			30
12			3	12			28
13			1	13			26
14			24	14			49
15			22	15			47
16			20	16			45
17			18	17			43
18			16	18			41
19			14	19			39
20			12	20			37
21			10	21			35
22			8	22			33
23			6	23			31
24			4	24			29
25			2	25			27

Table A-10: DIN Connector Pin Assignments

Pin	A1	B1	C1	A2	B2	C2	A3	B3	C3
1	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND
2	+5V	+5V	+5V	+5V	+5V	+5V	+5V	+5V	+5V
3	---	---	---	ELIMHI	RELAY+	HPIB01	AZOUT0	ELOUT0	AZIN0
4	---	---	---	ELIMLO	RELAY-	HPIB02	AZOUT1	ELOUT1	AZIN1
5	---	---	---	PWIN0	PWOUT0	HPIB03	AZOUT2	ELOUT2	AZIN2
6	---	---	---	PWIN1	PWOUT1	HPIB04	AZOUT3	ELOUT3	AZIN3
7	---	---	---	RADIN	RADOUT+	HPIB05	AZOUT4	ELOUT4	AZIN4
8	---	---	---	SERVIN	SERVOUT	HPIB06	AZOUT5	ELOUT5	AZIN5
9	---	---	---	TRPWRIN	TRPWROUT	HPIB07	AZOUT6	ELOUT6	AZIN6
10	---	---	---	RESETIN	RESETOUT	HPIB08	AZOUT7	ELOUT7	AZIN7
11	---	---	---	LOCAL	RADOUT-	HPIB09	AZOUT8	ELOUT8	AZIN8
12	---	---	---	STANDBY	INURCV+	HPIB10	AZOUT9	ELOUT9	AZIN9
13	---	---	---	AIRFLOW	INURCV-	HPIB11	AZOUT10	ELOUT10	AZIN10
14	---	---	---	WAVEGP	INUXMT+	HPIB13	AZOUT11	ELOUT11	AZIN11
15	---	---	---	INTERLCK	INUXMT-	HPIB14	AZOUT12	ELOUT12	AZIN12
16	---	---	---	MAGCURNT	INURCLK+	HPIB15	AZOUT13	ELOUT13	AZIN13
17	---	---	---	---	INURCLK-	HPIB16	AZOUT14	ELOUT14	AZIN14
18	---	---	---	MODEIN0	MODEOUT0	HPIB17	AZOUT15	ELOUT15	AZIN15
19	---	---	---	MODEIN1	MODEOUT1	---	SIORCV	ELIN0	ELIN8
20	---	---	---	MODEIN2	MODEOUT2	---	SIOXMT	ELIN1	ELIN9
21	---	---	---	---	INUXCLK+	---	SIORTS	ELIN2	ELIN10
22	---	---	---	---	INUXCLK-	---	SIOCTS	ELIN3	ELIN11
23	---	---	---	---	---	---	SIODSR	ELIN4	ELIN12
24	---	---	---	---	---	---	SIODTR	ELIN5	ELIN13
25	---	---	---	---	---	---	TTYRCV	ELIN6	ELIN14
26	---	---	---	---	---	---	TTYXMT	ELIN7	ELIN15
27	---	---	---	---	---	---	TTYRTS	AZTACH+	AZOKAY
28	---	---	---	---	---	---	TTYCTS	AZTACH-	ELOKAY
29	---	---	---	-12V	-12V	-12V	TTYDSR	ELTACH+	AZDRIVE
30	---	---	---	+12V	+12V	+12V	TTYDTR	ELTACH-	ELDRIVE
31	+5V	+5V	+5V	+5V	+5V	+5V	+5V	+5V	+5V
32	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND

Table A-11: Standard Backplane Wirewrap Connections

Signal	-From-	-To-	Color
AIRFLOW	P3J2-A13	P6-49	BLUE
AZDRIVE	P3J3-C29	P2-25	PURPLE
AZIN0	P3J3-C3	P9-25	BLUE
AZIN1	P3J3-C4	P9-23	BLUE
AZIN10	P3J3-C13	P9-5	BLUE
AZIN11	P3J3-C14	P9-3	YELLOW
AZIN12	P3J3-C15	P9-1	GREEN
AZIN13	P3J3-C16	P9-24	GREEN
AZIN14	P3J3-C17	P9-22	BLUE
AZIN15	P3J3-C18	P9-20	YELLOW
AZIN2	P3J3-C5	P9-21	BLUE
AZIN3	P3J3-C6	P9-19	BLUE
AZIN4	P3J3-C7	P9-17	BLUE
AZIN5	P3J3-C8	P9-15	BLUE
AZIN6	P3J3-C9	P9-13	BLUE
AZIN7	P3J3-C10	P9-11	BLUE
AZIN8	P3J3-C11	P9-9	BLUE
AZIN9	P3J3-C12	P9-7	BLUE
AZOKAY	P3J3-C27	P9-16	PURPLE
AZOUT0	P8-25	P3J3-A3	GREEN
AZOUT1	P8-23	P3J3-A4	BLUE
AZOUT10	P8-5	P3J3-A13	BLUE
AZOUT11	P8-3	P3J3-A14	BLUE
AZOUT12	P8-1	P3J3-A15	BLUE
AZOUT13	P3J3-A16	P8-24	BLUE
AZOUT14	P3J3-A17	P8-22	BLUE
AZOUT15	P3J3-A18	P8-20	BLUE
AZOUT2	P8-21	P3J3-A5	YELLOW
AZOUT3	P8-19	P3J3-A6	PURPLE
AZOUT4	P8-17	P3J3-A7	GREEN
AZOUT5	P8-15	P3J3-A8	BLUE
AZOUT6	P8-13	P3J3-A9	YELLOW
AZOUT7	P8-11	P3J3-A10	PURPLE
AZOUT8	P8-9	P3J3-A11	BLUE
AZOUT9	P8-7	P3J3-A12	BLUE
AZTACH+	P3J3-B27	P2-17	GREEN
AZTACH-	P3J3-B28	P2-13	GREEN
ELDRIVE	P3J3-C30	P2-21	BLUE
ELIMHI	P3J2-A3	P2-24	PURPLE
ELIMLO	P3J2-A4	P2-22	BLUE
ELIN0	P3J3-B19	P9-50	PURPLE
ELIN1	P3J3-B20	P9-48	PURPLE
ELIN10	P3J3-C21	P9-30	PURPLE
ELIN11	P3J3-C22	P9-28	GREEN
ELIN12	P3J3-C23	P9-26	BLUE
ELIN13	P3J3-C24	P9-49	YELLOW
ELIN14	P3J3-C25	P9-47	PURPLE
ELIN15	P3J3-C26	P9-45	GREEN
ELIN2	P3J3-B21	P9-46	PURPLE
ELIN3	P3J3-B22	P9-44	PURPLE

Table A-11: Standard Backplane Wirewrap Connections (Continued)

Signal	-From-	-To-	Color
ELIN4	P3J3-B23	P9-42	PURPLE
ELIN5	P3J3-B24	P9-40	PURPLE
ELIN6	P3J3-B25	P9-38	PURPLE
ELIN7	P3J3-B26	P9-36	PURPLE
ELIN8	P3J3-C19	P9-34	PURPLE
ELIN9	P3J3-C20	P9-32	PURPLE
ELOKAY	P3J3-C28	P9-41	BLUE
ELOUT0	P3J3-B3	P8-50	YELLOW
ELOUT1	P3J3-B4	P8-48	PURPLE
ELOUT10	P3J3-B13	P8-30	PURPLE
ELOUT11	P3J3-B14	P8-28	PURPLE
ELOUT12	P3J3-B15	P8-26	PURPLE
ELOUT13	P3J3-B16	P8-49	PURPLE
ELOUT14	P3J3-B17	P8-47	PURPLE
ELOUT15	P3J3-B18	P8-45	PURPLE
ELOUT2	P3J3-B5	P8-46	GREEN
ELOUT3	P3J3-B6	P8-44	BLUE
ELOUT4	P3J3-B7	P8-42	YELLOW
ELOUT5	P3J3-B8	P8-40	PURPLE
ELOUT6	P3J3-B9	P8-38	GREEN
ELOUT7	P3J3-B10	P8-36	BLUE
ELOUT8	P3J3-B11	P8-34	YELLOW
ELOUT9	P3J3-B12	P8-32	PURPLE
ELTACH+	P3J3-B29	P2-9	YELLOW
ELTACH-	P3J3-B30	P2-5	PURPLE
GND0001	P2-11	P2-15	BLACK
GND0001	P2-3	P2-7	BLACK
GND0001	P2-7	P2-11	BLACK
GND0001	P3J1-A32	P2-3	BLACK
GND0002	P2-19	P2-23	BLACK
GND0002	P2-23	P2-27	BLACK
GND0002	P2-27	P2-29	BLACK
GND0002	P3J1-A1	P2-19	BLACK
GND0003	P2-2	P2-31	BLACK
GND0003	P2-31	P2-33	BLACK
GND0003	P2-33	P2-35	BLACK
GND0003	P3J1-B32	P2-2	BLACK
GND0004	P2-4	P2-6	BLACK
GND0004	P2-6	P2-8	BLACK
GND0004	P2-8	P2-10	BLACK
GND0004	P3J1-C32	P2-4	BLACK
GND0005	P3-13	P3-25	BLACK
GND0005	P3-25	P3-38	BLACK
GND0005	P3-38	P3-50	BLACK
GND0005	P3J1-B1	P3-13	BLACK
GND0006	P3J2-A1	P4-27	BLACK
GND0006	P4-27	P4-29	BLACK
GND0006	P4-29	P4-31	BLACK
GND0006	P4-31	P4-33	BLACK

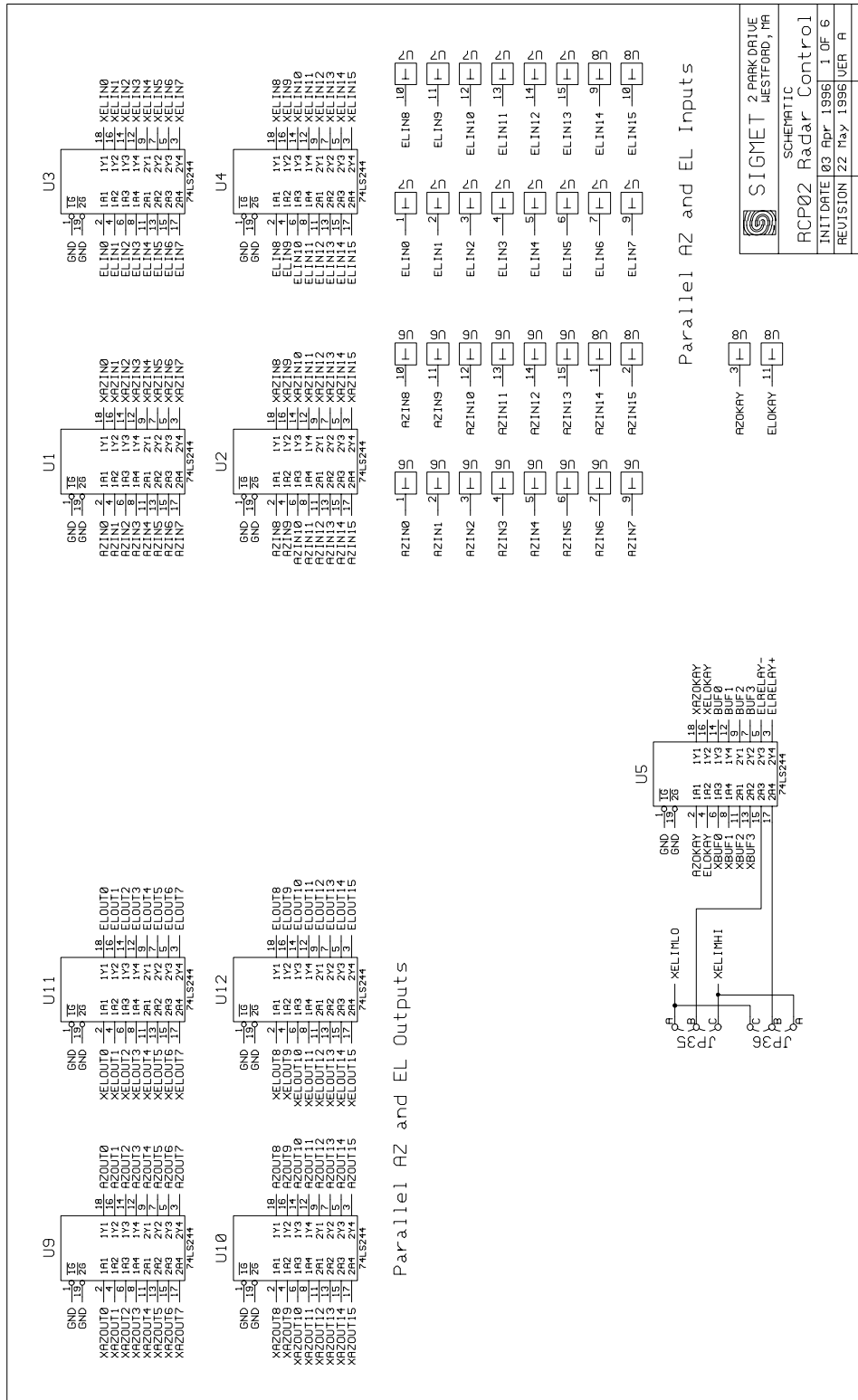
Table A-11: Standard Backplane Wirewrap Connections (Continued)

Signal	-From-	-To-	Color
GND0007	P3J2-B1	P4-28	BLACK
GND0007	P4-28	P4-35	BLACK
GND0007	P4-35	P4-37	BLACK
GND0007	P4-37	P4-39	BLACK
GND0008	P3J2-A32	P5-23	BLACK
GND0008	P5-23	P5-24	BLACK
GND0008	P5-24	P5-25	BLACK
GND0009	P3J2-C1	P6-27	BLACK
GND0009	P6-27	P6-29	BLACK
GND0009	P6-29	P6-31	BLACK
GND0009	P6-31	P6-33	BLACK
GND000A	P3J2-B32	P6-2	BLACK
GND000A	P6-2	P6-4	BLACK
GND000A	P6-4	P6-6	BLACK
GND000A	P6-6	P6-35	BLACK
GND000B	P3J2-C32	P6-8	BLACK
GND000B	P6-8	P6-10	BLACK
GND000C	P3J3-A32	P8-2	BLACK
GND000C	P8-2	P8-27	BLACK
GND000C	P8-27	P8-29	BLACK
GND000C	P8-29	P8-31	BLACK
GND000D	P3J3-B32	P8-4	BLACK
GND000D	P8-4	P8-6	BLACK
GND000E	P3J3-C32	P9-2	BLACK
GND000E	P9-2	P9-27	BLACK
GND000E	P9-27	P9-29	BLACK
GND000E	P9-29	P9-31	BLACK
GND000F	P3J3-A1	P9-4	BLACK
GND000F	P9-4	P9-6	BLACK
HPIB01	P3J2-C3	P4-50	GREEN
HPIB02	P3J2-C4	P4-48	BLUE
HPIB03	P3J2-C5	P4-46	YELLOW
HPIB04	P3J2-C6	P4-44	PURPLE
HPIB05	P3J2-C7	P4-42	GREEN
HPIB06	P3J2-C8	P4-40	BLUE
HPIB07	P3J2-C9	P4-38	YELLOW
HPIB08	P3J2-C10	P4-36	PURPLE
HPIB09	P3J2-C11	P4-34	GREEN
HPIB10	P3J2-C12	P4-32	PURPLE
HPIB11	P3J2-C13	P4-30	GREEN
HPIB13	P3J2-C14	P4-49	YELLOW
HPIB14	P3J2-C15	P4-47	PURPLE
HPIB15	P3J2-C16	P4-45	GREEN
HPIB16	P3J2-C17	P4-43	BLUE
HPIB17	P3J2-C18	P4-41	YELLOW
INTERLCK	P3J2-A15	P6-45	PURPLE
INURCLK+	P5-12	P3J2-B16	GREEN
INURCLK-	P5-11	P3J2-B17	YELLOW
INURCV+	P5-16	P3J2-B12	PURPLE
INURCV-	P5-15	P3J2-B13	PURPLE

Table A-11: Standard Backplane Wirewrap Connections (Continued)

Signal	-From-	-To-	Color
INUXCLK+	P5-8	P3J2-B21	YELLOW
INUXCLK-	P3J2-B22	P5-7	GREEN
INUXMT+	P5-20	P3J2-B14	PURPLE
INUXMT-	P5-19	P3J2-B15	PURPLE
LOCAL	P3J2-A11	P6-28	PURPLE
MAGCURNT	P3J2-A16	P6-43	BLUE
MODEIN0	P3J2-A18	P2-49	BLUE
MODEIN1	P3J2-A19	P2-47	BLUE
MODEIN2	P3J2-A20	P2-45	BLUE
MODEOUT0	P3J2-B18	P2-50	GREEN
MODEOUT1	P3J2-B19	P2-48	BLUE
MODEOUT2	P3J2-B20	P2-46	YELLOW
PWIN0	P3J2-A5	P6-50	GREEN
PWIN1	P3J2-A6	P6-48	GREEN
PWOUT0	P3J2-B5	P6-25	PURPLE
PWOUT1	P3J2-B6	P6-23	GREEN
RADIN	P3J2-A7	P6-46	BLUE
RADOUT+	P3J2-B7	P6-21	PURPLE
RADOUT-	P3J2-B11	P6-19	PURPLE
RELAY+	P3J2-B3	P6-3	GREEN
RELAY-	P3J2-B4	P6-1	YELLOW
RESETIN	P3J2-A10	P6-38	YELLOW
RESETOUT	P3J2-B10	P6-13	GREEN
SERVIN	P3J2-A8	P6-42	GREEN
SERVOUT	P3J2-B8	P6-17	PURPLE
SIOCTS	P3J3-A22	P3-17	YELLOW
SIODSR	P3J3-A23	P3-15	YELLOW
SIODTR	P3J3-A24	P3-12	YELLOW
SIORCV	P3J3-A19	P3-23	GREEN
SIORTS	P3J3-A21	P3-19	BLUE
SIOXMT	P3J3-A20	P3-21	GREEN
STANDBY	P3J2-A12	P6-26	BLUE
TRPWRIN	P3J2-A9	P6-40	PURPLE
TRPWROUT	P3J2-B9	P6-15	BLUE
TTYCTS	P3J3-A28	P3-42	PURPLE
TTYDSR	P3J3-A29	P3-40	PURPLE
TTYDTR	P3J3-A30	P3-37	PURPLE
TTYRCV	P3J3-A25	P3-48	BLUE
TTYRTS	P3J3-A27	P3-44	YELLOW
TTYXMT	P3J3-A26	P3-46	BLUE
WAVEGP	P3J2-A14	P6-47	BLUE

Figure A-1: Schematic Page #1




		SIGMET 2 PARK DRIVE WESTFORD, MA	
RCP02 Radar Control		SCHEMATIC	
INIT DATE 03 Apr 1996		1 OF 6	
REVISION 22 May 1996		VER A	

Figure A-2: Schematic Page #2

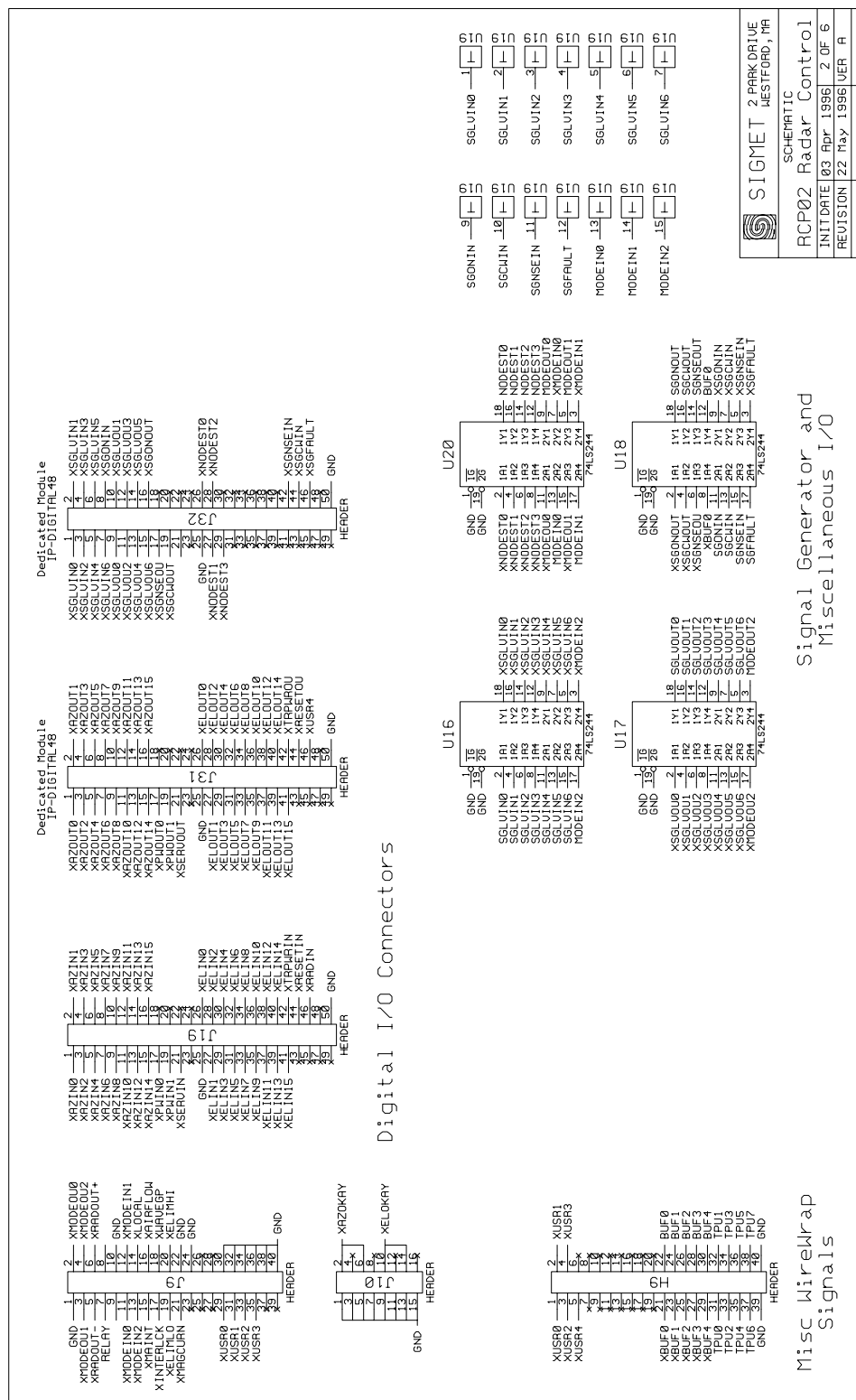


Figure A-3: Schematic Page #3

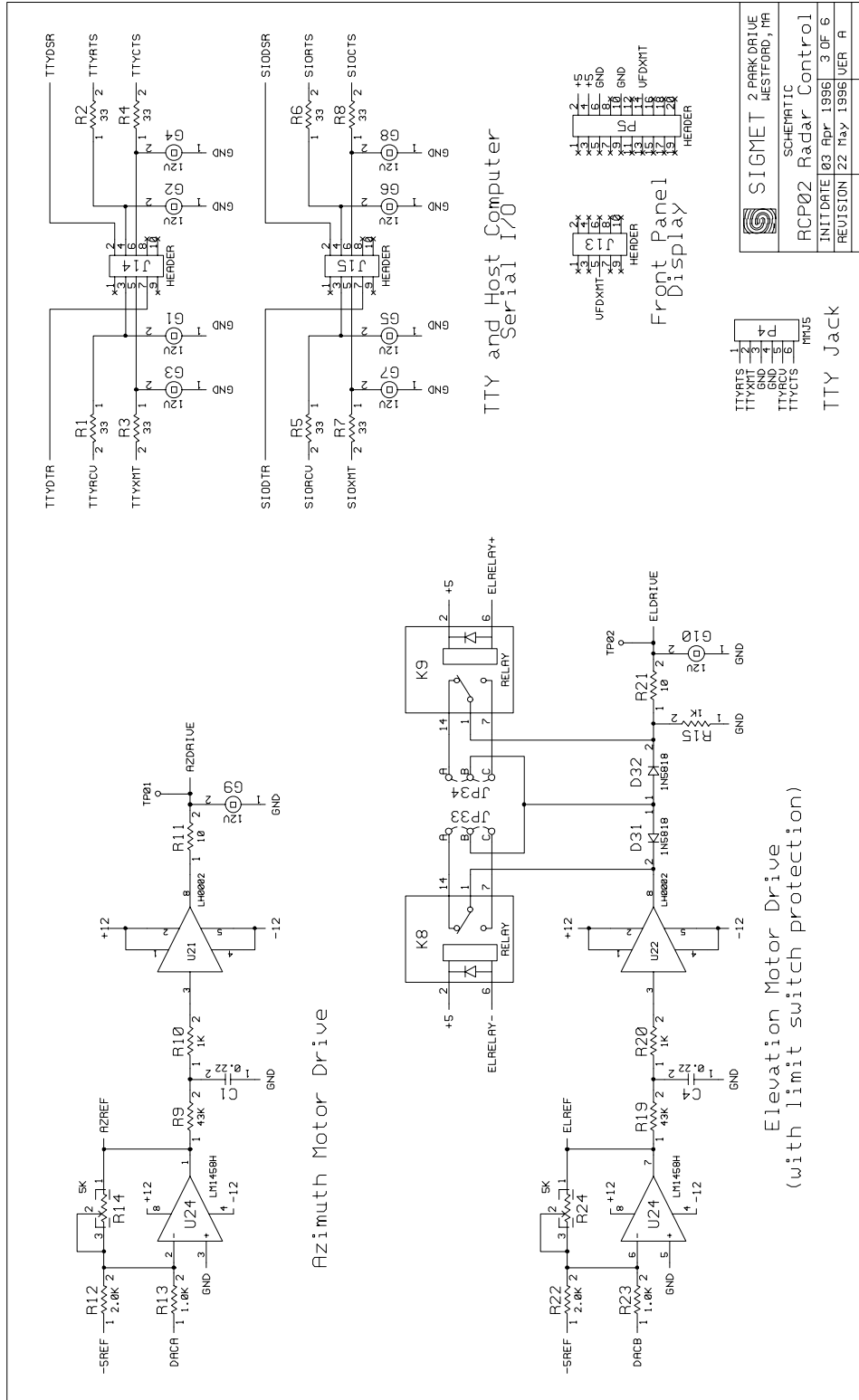


Figure A-4: Schematic Page #4

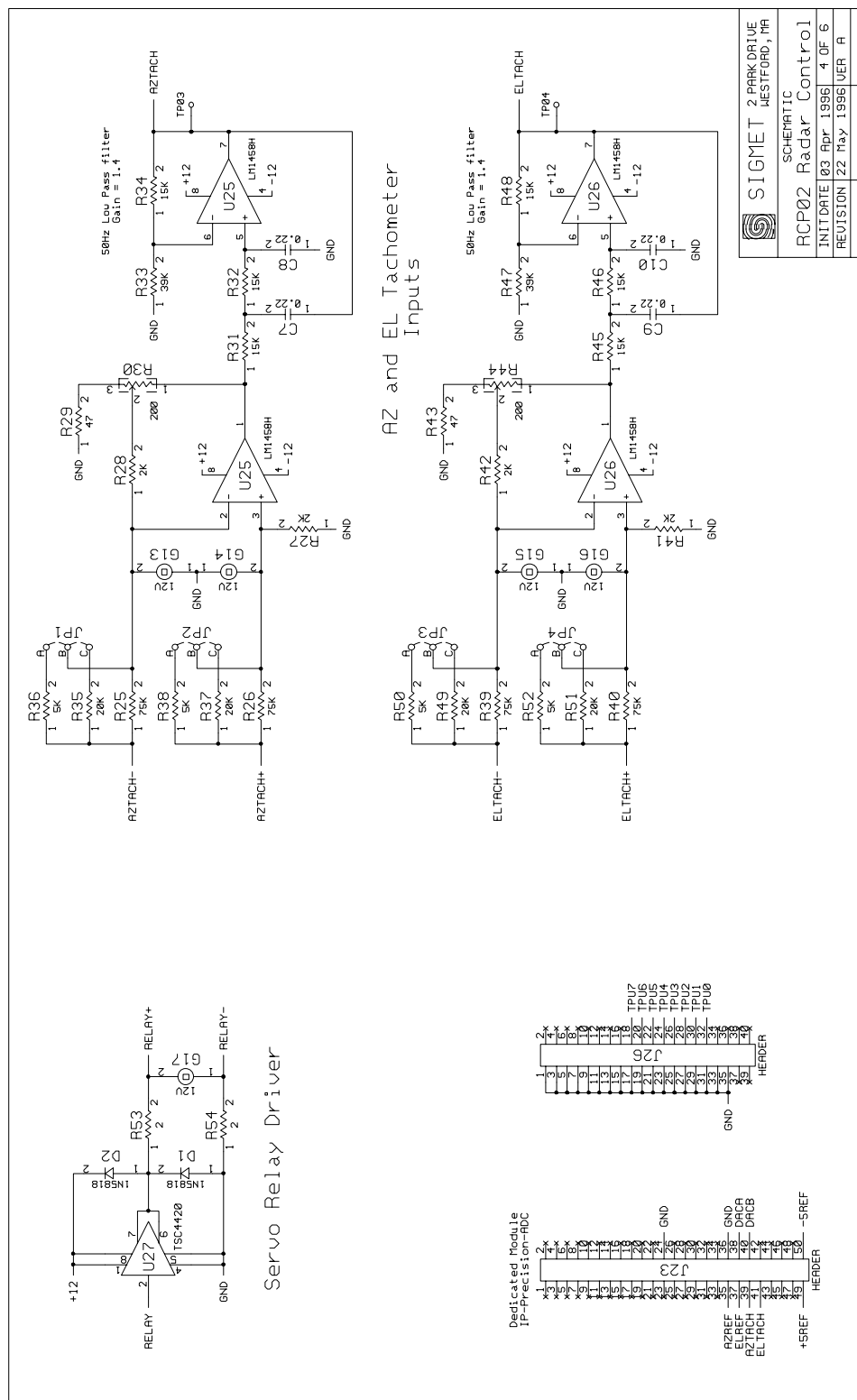


Figure A-5: Schematic Page #5

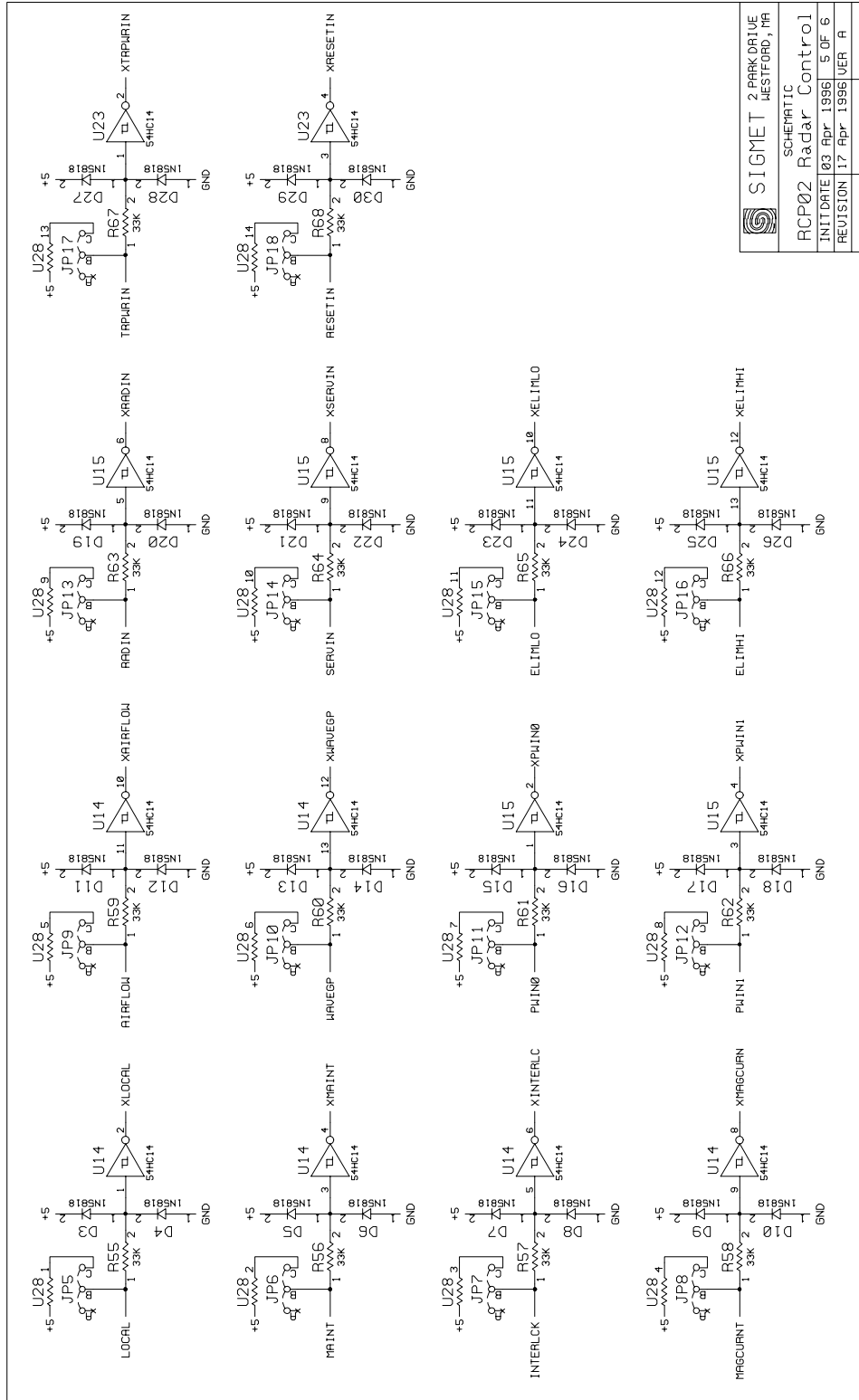
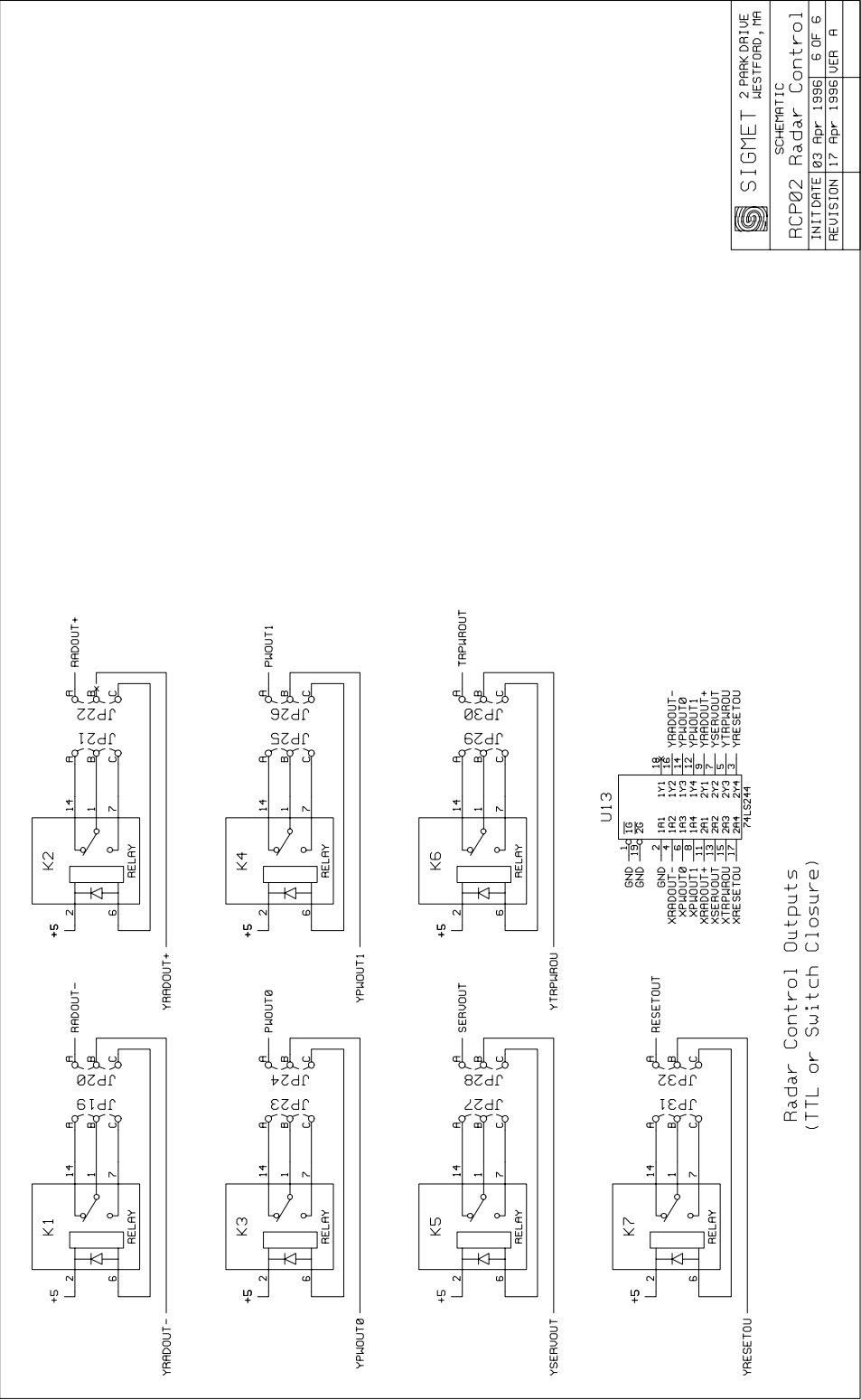



Figure A-6: Schematic Page #6



	SIGMET 2 PARK DRIVE WESTFORD, MA	
	SCHEMATIC	
	RCP02 Radar Control	
	INITIAL DATE 03 Apr. 1996	6 OF 6
REVISION 17 Apr. 1996		VER A