



Mobile Communications

ANALOG DELAY SHELF
ASSEMBLY
19D902531G3,4

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ANALOG DELAY MODULE LBI-38473



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ANALOG DELAY SHELF
19D902531G3,4

OPTION CP5E/CP5G

The Analog Delay Shelf is provided in two groups to accommodate a 4 or 10 site, 20 channel configuration. The card cage housing the delay modules is six rack units high and accommodates up to 20 analog delay modules. The table below identifies the option and group numbers of the shelf configuration.

OPTION	PART NUMBER	CONFIGURATION
CP5E	19D902531G3	4 Site, 20 Channel (one 5-site backplane)
CP5G	19D902531G4	10 Site, 20 Channel (two 5-site backplanes)

The backplane provides jacks, printed wire patterns, and wire-wrap connectors to interface the digital modules used in the EDACS Simulcast System. Each module plugs into a 64-pin jack on the backplane. A 12-pin Molex terminal block is used to provide connections for the power and telephone lines.

The + 5 volt source provided to the analog delay rack assembly is fused with a 10 Ampere fuse. In addition, over-voltage/spike suppression protection is provided by a zener diode.

CIRCUIT DESCRIPTION

The analog delay assembly is required only at the Control Point Site. Delayed audio is provided to the Transmit Sites from the Control Point.

The analog delay module delays the 150 baud data and voice used in the EDACS simulcast system. Each module provides the required delay for 12 voice signals and the 150 baud FSK signal (low speed data) or 13 voice signals (refer to LBI-38473).

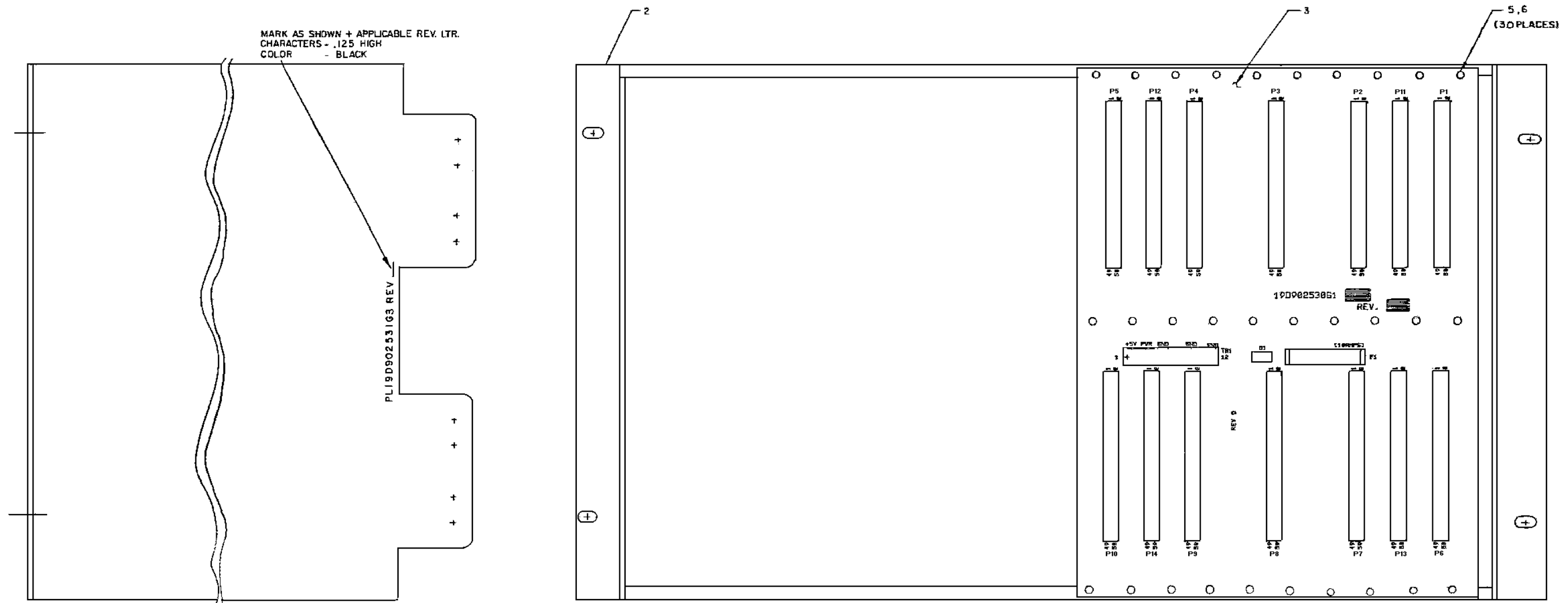
PARTS LIST

ANALOG DELAY SHELF
19D902531G3,4

SYMBOL	GE PART NO	DESCRIPTION
D1 F1	19C337341P1 19A700031P305 19A700032P3	VME Shelf. Screw: M2.5. Lockwasher, tooth, steel, metric: 2.5. AUDIO DELAY BACKPLANE 19D902530P1 ----- DIODES -----
	19A703588P3 LTTLF314010	Diode, zener: PIV 17.1V, 20A; sim to IN6278A. 10 Amp, fast blow. -----CONNECTORS-----
	J1 thru J20	Connector, printed wire. ----- PLUGS -----
	P1 thru P14	Connector, printed wire. -----TERMINALS-----
TB1	19A116659P58	Connector, printed wiring, two part: 12 contacts, brass; sim to MOLEX 09-65-1121. ----- MISCELLANEOUS -----
	AMP102320-1	Fuse clip, BUSSMAN 1A1119-05. Latch

SPECIFICATIONS

Dimensions	267mm X 426mm
Input Voltage	+5 Vdc
Number of Card Slots Per Shelf	20 (10 per backplane)
Backplane Connectors:	
J1-J20	64 Pins
P1-P14	50-Pin Header Type
TB1	Molex, 12-Pin

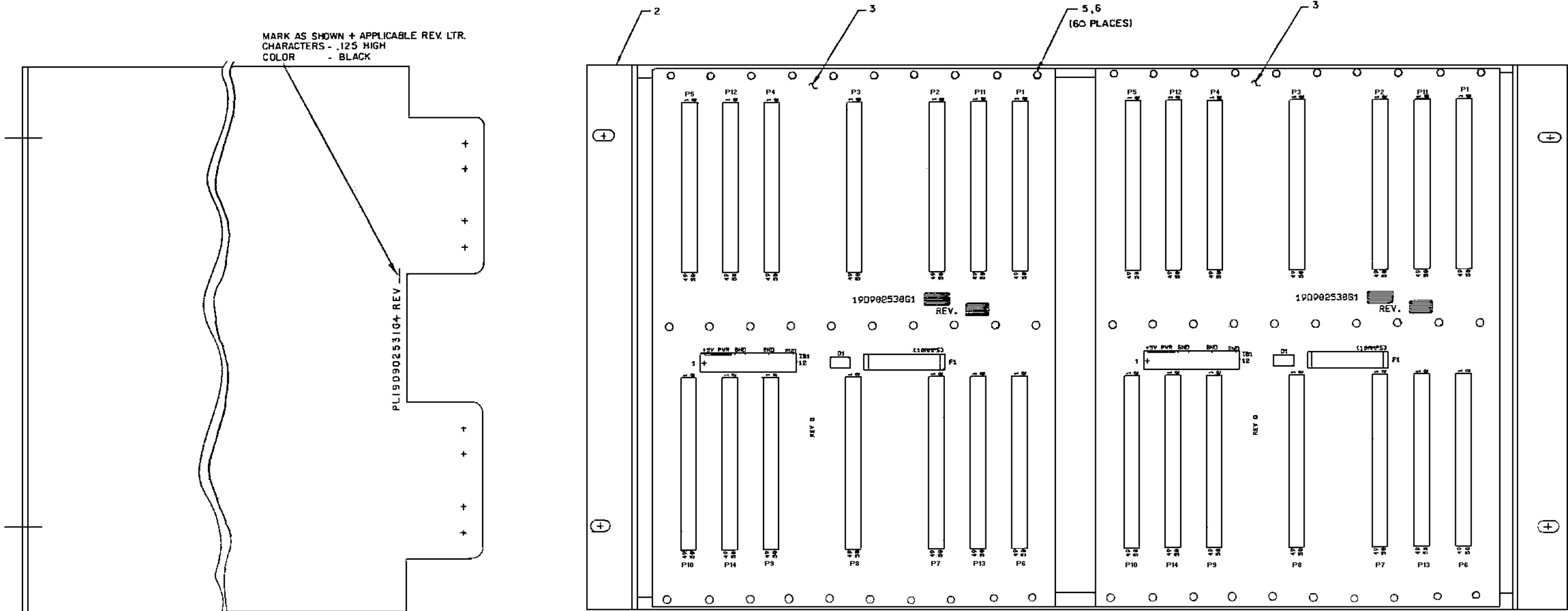


ANALOG DELAY SHELF

4 SITE, 20 CHANNEL CONFIGURATION

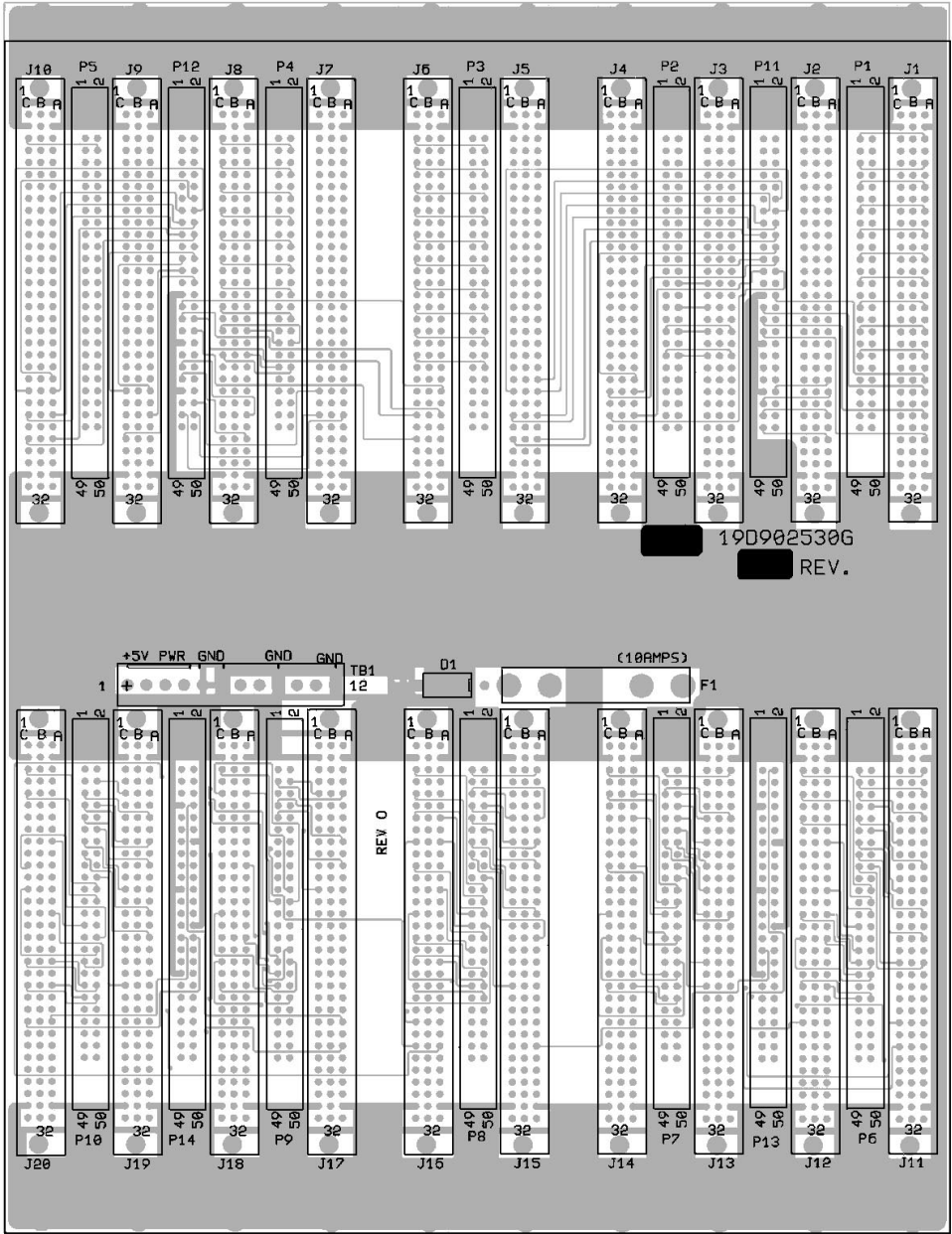
19D902531G3

(19D902531 Sh.3, Rev.3)

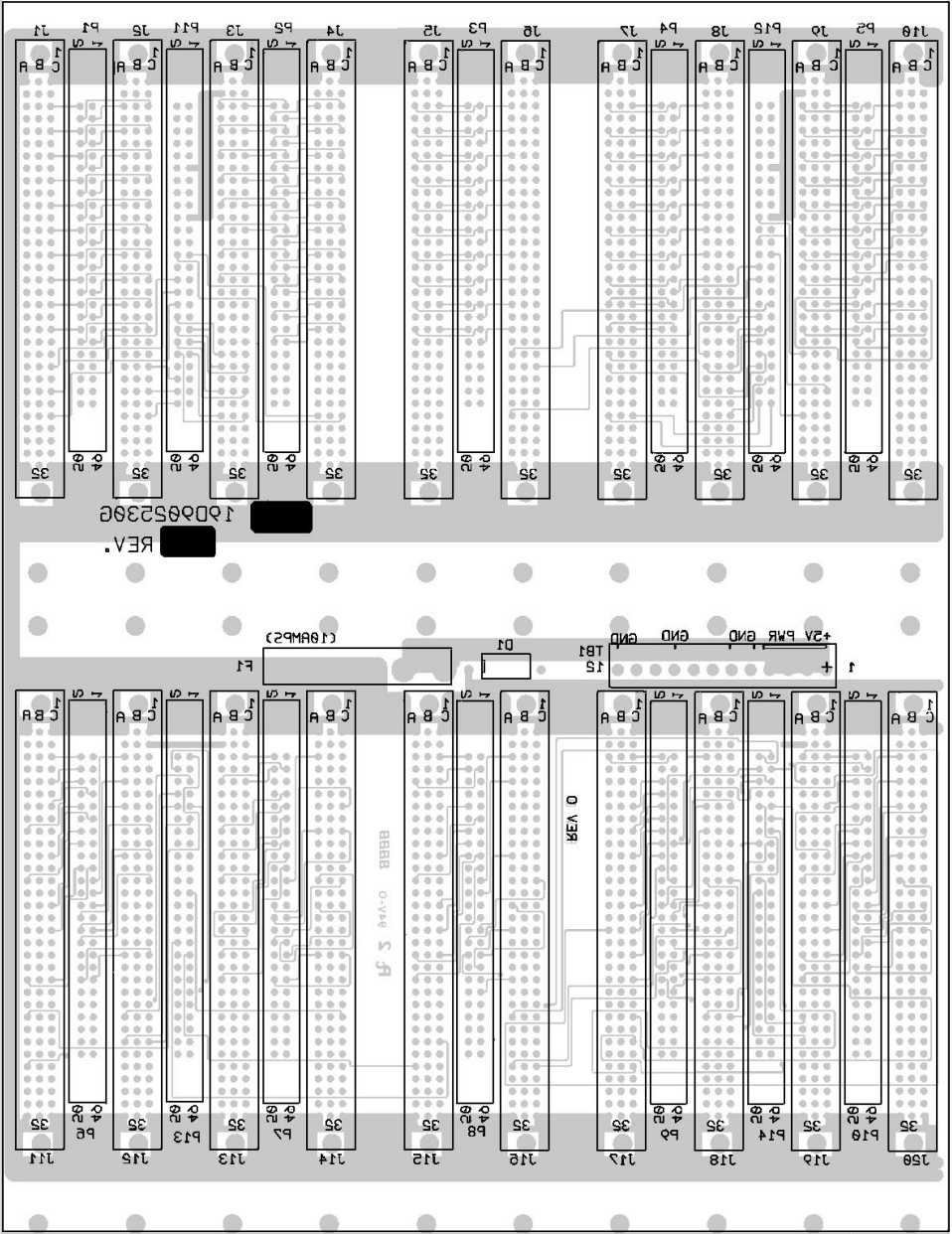


ANALOG DELAY SHELF
10 SITE, 20 CHANNEL CONFIGURATION
19D902531G4
(19D902531 Sh.4, Rev.3)

COMPONENT SIDE



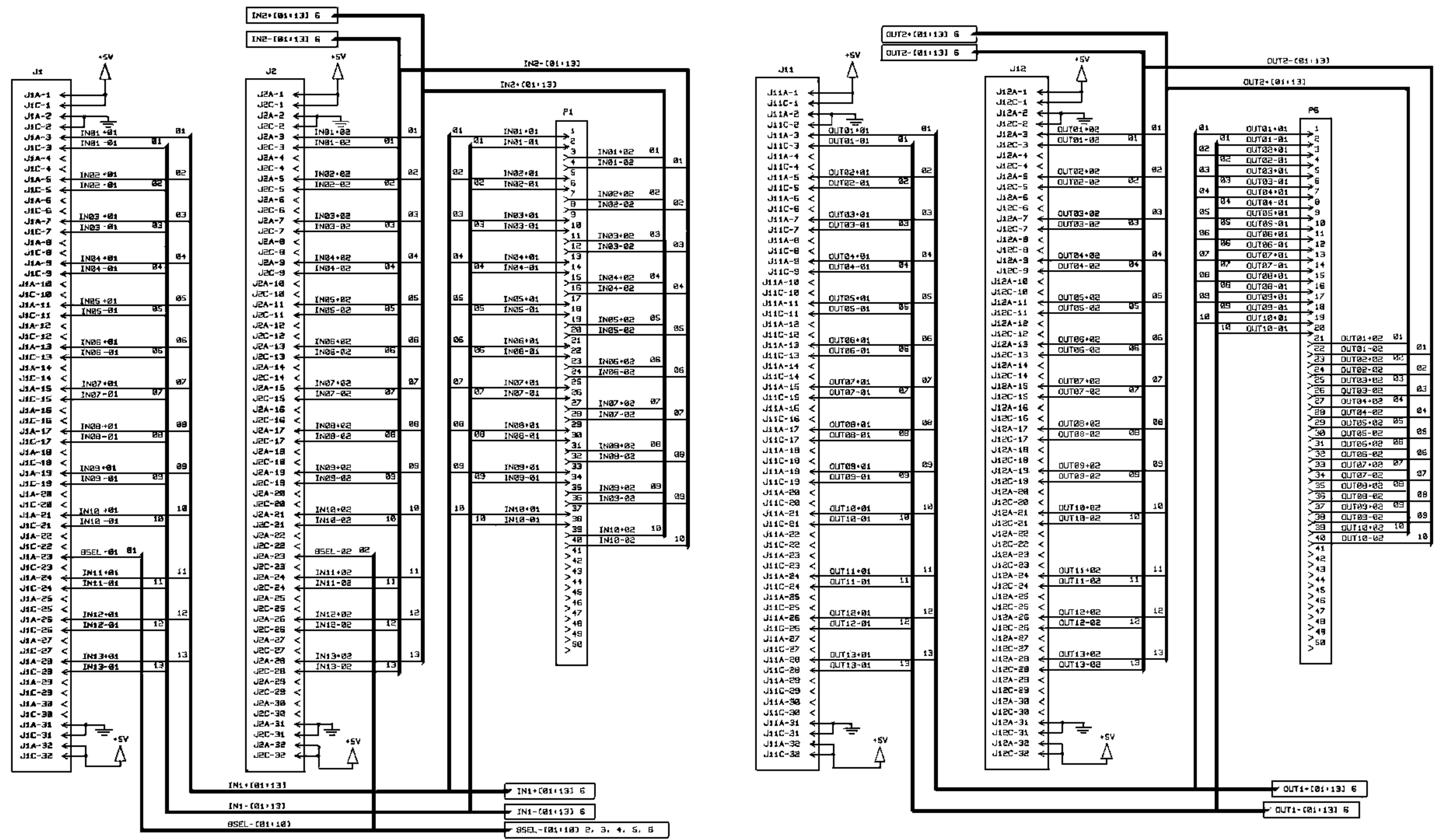
SOLDER SIDE



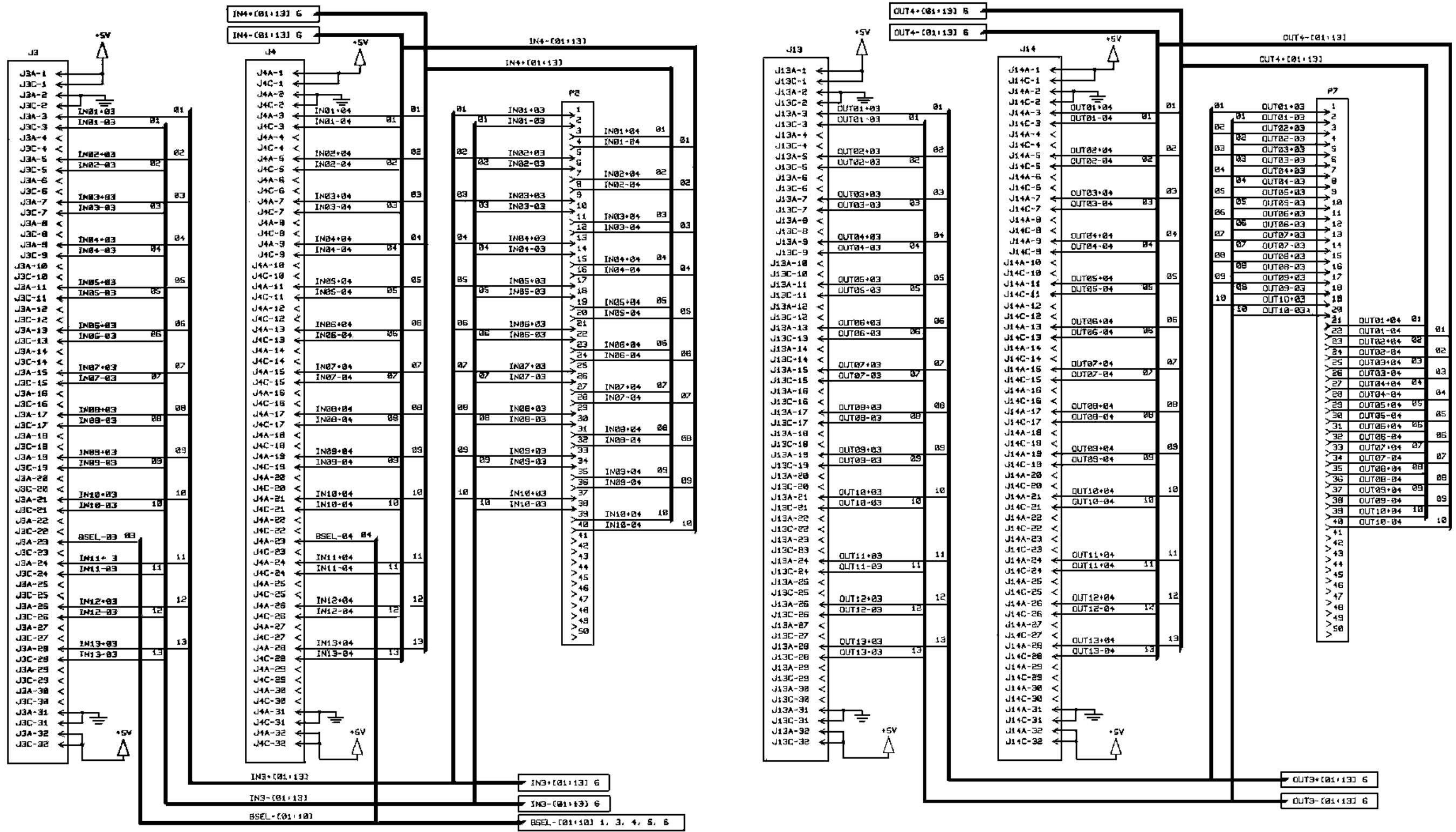
**ANALOG DELAY SHELF BACKPLANE
4 SITE, 20 CHANNEL CONFIGURATION**

19D902530G1

(19D902530, Sh.1, Rev.3)



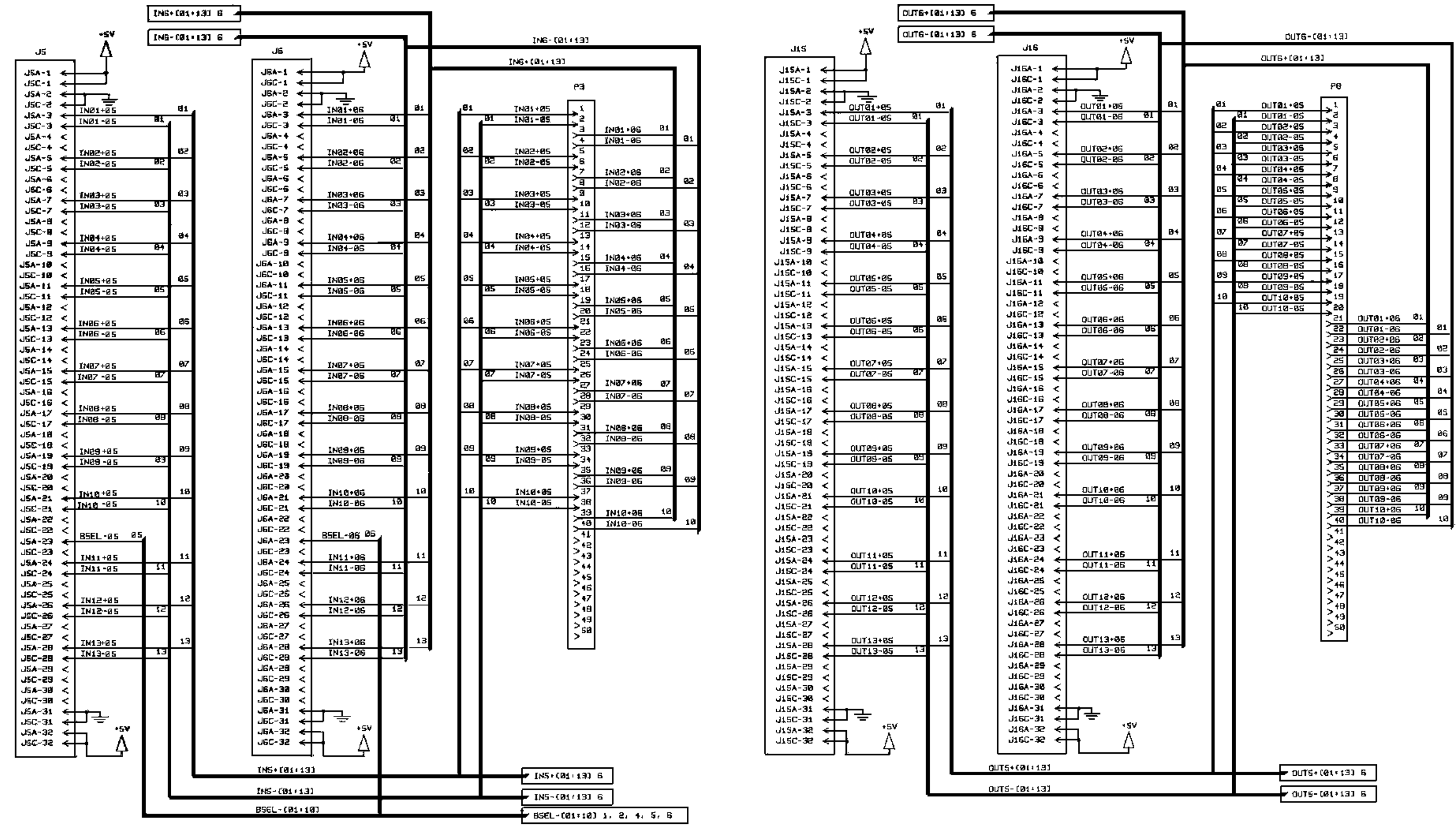
ANALOG DELAY SHELF BACKPLANE
19D902530G1
(19C851931, Sh.1 Rev.1)



ANALOG DELAY SHELF BACKPLANE

19D902530G1

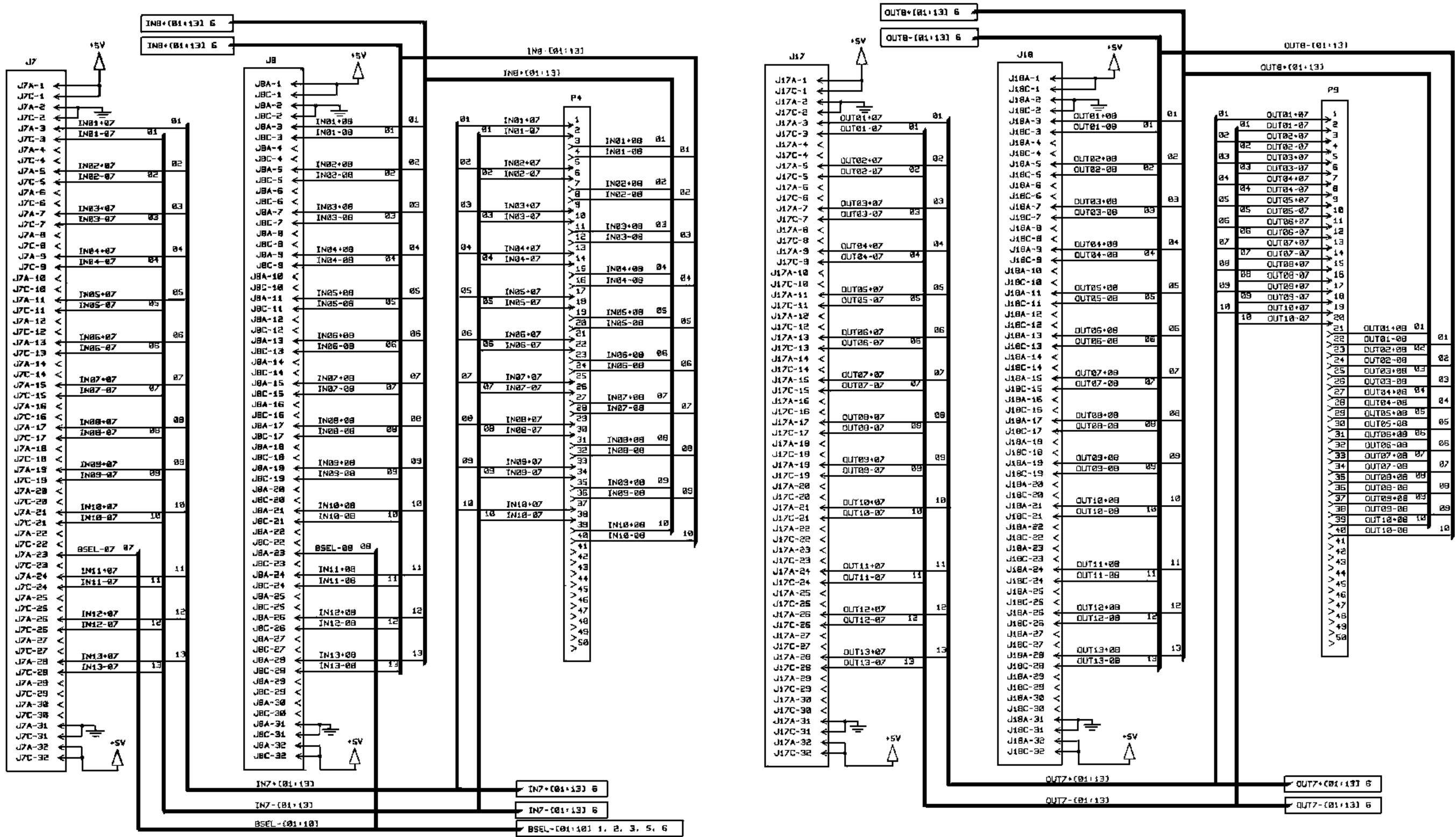
(19C851931, Sh.2 Rev.1)



ANALOG DELAY SHELF BACKPLANE

19D902530G1

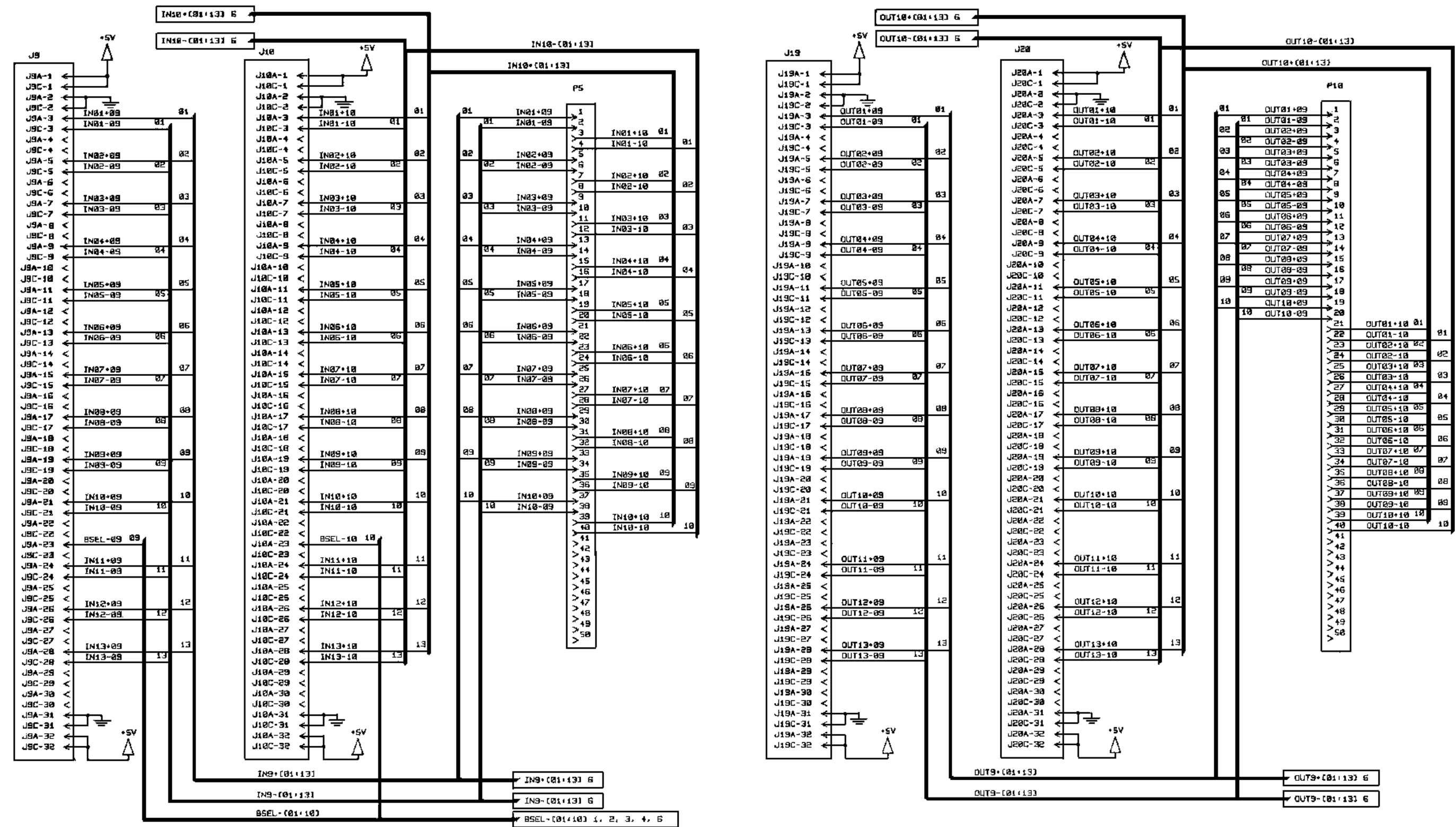
(19C851931, Sh.3 Rev.1)



ANALOG DELAY SHELF BACKPLANE

19D902530G1

(19C851931, Sh.4 Rev.1)



ANALOG DELAY SHELF BACKPLANE

19D902530G1

(19C851931, Sh.5 Rev.1)



WIRING LIST

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
D01 - 01	#	+5V	
D01 - 02	*	GND	
F01 - 01	F01 - 02	+5IN	
TB1 - 01			
TB1 - 02			
TB1 - 03			
TB1 - 04			
F01 - 02	F01 - 01	+5IN	
TB1 - 01			
TB1 - 02			
TB1 - 03			
TB1 - 04			
F01 - 03	#	+5V	
F01 - 04	#	+5V	
J01 - 01A	#	+5V	
J01 - 01C	#	+5V	
J01 - 02A	*	GND	
J01 - 02C	*	GND	
J01 - 03A	P01 - 01	IN01+01	
J01 - 03C	P01 - 02	IN01-01	
J01 - 05A	P01 - 05	IN02+01	
J01 - 05C	P01 - 06	IN02-01	
J01 - 07A	P01 - 09	IN03+01	
J01 - 07C	P01 - 10	IN03-01	
J01 - 09A	P01 - 13	IN04+01	
J01 - 09C	P01 - 14	IN04-01	
J01 - 11A	P01 - 17	IN05+01	
J01 - 11C	P01 - 18	IN05-01	
J01 - 13A	P01 - 21	IN06+01	
J01 - 13C	P01 - 22	IN06-01	
J01 - 15A	P01 - 25	IN07+01	
J01 - 15C	P01 - 26	IN07-01	
J01 - 17A	P01 - 29	IN08+01	
J01 - 17C	P01 - 30	IN08-01	
J01 - 19A	P01 - 33	IN09+01	
J01 - 19C	P01 - 34	IN09-01	
J01 - 21A	P01 - 37	IN10+01	
J01 - 21C	P01 - 38	IN10-01	
J01 - 23A	P11 - 28	BSEL-01	
J01 - 24A	P11 - 29	IN11+01	
J01 - 24C	P11 - 30	IN11-01	
J01 - 26A	P11 - 31	IN12+01	
J01 - 26C	P11 - 32	IN12-01	
J01 - 28A	P11 - 33	IN13+01	
J01 - 28C	P11 - 34	IN13-01	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J01 - 31A	*	GND	
J01 - 31C	*	GND	
J01 - 32A	#	+5V	
J01 - 32C	#	+5V	
J02 - 01A	#	+5V	
J02 - 01C	#	+5V	
J02 - 02A	*	GND	
J02 - 02C	*	GND	
J02 - 03A	P01 - 03	IN01+02	
J02 - 03C	P01 - 04	IN01-02	
J02 - 05A	P01 - 07	IN02+02	
J02 - 05C	P01 - 08	IN02-02	
J02 - 07A	P01 - 11	IN03+02	
J02 - 07C	P01 - 12	IN03-02	
J02 - 09A	P01 - 15	IN04+02	
J02 - 09C	P01 - 16	IN04-02	
J02 - 11A	P01 - 19	IN05+02	
J02 - 11C	P01 - 20	IN05-02	
J02 - 13A	P01 - 23	IN06+02	
J02 - 13C	P01 - 24	IN06-02	
J02 - 15A	P01 - 27	IN07+02	
J02 - 15C	P01 - 28	IN07-02	
J02 - 17A	P01 - 31	IN08+02	
J02 - 17C	P01 - 32	IN08-02	
J02 - 19A	P01 - 35	IN09+02	
J02 - 19C	P01 - 36	IN09-02	
J02 - 21A	P01 - 39	IN10+02	
J02 - 21C	P01 - 40	IN10-02	
J02 - 23A	P11 - 44	BSEL-02	
J02 - 24A	P11 - 45	IN11+02	
J02 - 24C	P11 - 46	IN11-02	
J02 - 26A	P11 - 47	IN12+02	
J02 - 26C	P11 - 48	IN12-02	
J02 - 28A	P11 - 49	IN13+02	
J02 - 28C	P11 - 50	IN13-02	
J02 - 31A	*	GND	
J02 - 31C	*	GND	
J02 - 32A	#	+5V	
J02 - 32C	#	+5V	
J03 - 01A	#	+5V	
J03 - 01C	#	+5V	
J03 - 02A	*	GND	
J03 - 02C	*	GND	
J03 - 03A	P02 - 01	IN01+03	
J03 - 03C	P02 - 02	IN01-03	
J03 - 05A	P02 - 05	IN02+03	

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J03 - 05C	P02 - 06	IN02-03	
J03 - 07A	P02 - 09	IN03+03	
J03 - 07C	P02 - 10	IN03-03	
J03 - 09A	P02 - 13	IN04+03	
J03 - 09C	P02 - 14	IN04-03	
J03 - 11A	P02 - 17	IN05+03	
J03 - 11C	P02 - 18	IN05-03	
J03 - 13A	P02 - 21	IN06+03	
J03 - 13C	P02 - 22	IN06-03	
J03 - 15A	P02 - 25	IN07+03	
J03 - 15C	P02 - 26	IN07-03	
J03 - 17A	P02 - 29	IN08+03	
J03 - 17C	P02 - 30	IN08-03	
J03 - 19A	P02 - 33	IN09+03	
J03 - 19C	P02 - 34	IN09-03	
J03 - 21A	P02 - 37	IN10+03	
J03 - 21C	P02 - 38	IN10-03	
J03 - 23A	P11 - 36	BSEL-03	
J03 - 24A	P11 - 37	IN11+03	
J03 - 24C	P11 - 38	IN11-03	
J03 - 26A	P11 - 39	IN12+03	
J03 - 26C	P11 - 40	IN12-03	
J03 - 28A	P11 - 41	IN13+03	
J03 - 28C	P11 - 42	IN13-03	
J03 - 31A	*	GND	
J03 - 31C	*	GND	
J03 - 32A	#	+5V	
J03 - 32C	#	+5V	
J04 - 01A	#	+5V	
J04 - 01C	#	+5V	
J04 - 02A	*	GND	
J04 - 02C	*	GND	
J04 - 03A	P02 - 03	IN01+04	
J04 - 03C	P02 - 04	IN01-04	
J04 - 05A	P02 - 07	IN02+04	
J04 - 05C	P02 - 08	IN02-04	
J04 - 07A	P02 - 11	IN03+04	
J04 - 07C	P02 - 12	IN03-04	
J04 - 09A	P02 - 15	IN04+04	
J04 - 09C	P02 - 16	IN04-04	
J04 - 11A	P02 - 19	IN05+04	
J04 - 11C	P02 - 20	IN05-04	
J04 - 13A	P02 - 23	IN06+04	
J04 - 13C	P02 - 24	IN06-04	
J04 - 15A	P02 - 27	IN07+04	
J04 - 15C	P02 - 28	IN07-04	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J04 - 17A	P02 - 31	IN08+04	
J04 - 17C	P02 - 32	IN08-04	
J04 - 19A	P02 - 35	IN09+04	
J04 - 19C	P02 - 36	IN09-04	
J04 - 21A	P02 - 39	IN10+04	
J04 - 21C	P02 - 40	IN10-04	
J04 - 23A	P11 - 20	BSEL-04	
J04 - 24A	P11 - 21	IN11+04	
J04 - 24C	P11 - 22	IN11-04	
J04 - 26A	P11 - 23	IN12+04	
J04 - 26C	P11 - 24	IN12-04	
J04 - 28A	P11 - 25	IN13+04	
J04 - 28C	P11 - 26	IN13-04	
J04 - 31A	*	GND	
J04 - 31C	*	GND	
J04 - 32A	#	+5V	
J04 - 32C	#	+5V	
J05 - 01A	#	+5V	
J05 - 01C	#	+5V	
J05 - 02A	*	GND	
J05 - 02C	*	GND	
J05 - 03A	P03 - 01	IN01+05	
J05 - 03C	P03 - 02	IN01-05	
J05 - 05A	P03 - 05	IN02+05	
J05 - 05C	P03 - 06	IN02-05	
J05 - 07A	P03 - 09	IN03+05	
J05 - 07C	P03 - 10	IN03-05	
J05 - 09A	P03 - 13	IN04+05	
J05 - 09C	P03 - 14	IN04-05	
J05 - 11A	P03 - 17	IN05+05	
J05 - 11C	P03 - 18	IN05-05	
J05 - 13A	P03 - 21	IN06+05	
J05 - 13C	P03 - 22	IN06-05	
J05 - 15A	P03 - 25	IN07+05	
J05 - 15C	P03 - 26	IN07-05	
J05 - 17A	P03 - 29	IN08+05	
J05 - 17C	P03 - 30	IN08-05	
J05 - 19A	P03 - 33	IN09+05	
J05 - 19C	P03 - 34	IN09-05	
J05 - 21A	P03 - 37	IN10+05	
J05 - 21C	P03 - 38	IN10-05	
J05 - 23A	P11 - 12	BSEL-05	
J05 - 24A	P11 - 13	IN11+05	
J05 - 24C	P11 - 14	IN11-05	
J05 - 26A	P11 - 15	IN12+05	
J05 - 26C	P11 - 16	IN12-05	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J05 - 28A	P11 - 17	IN13+05	
J05 - 28C	P11 - 18	IN13-05	
J05 - 31A	*	GND	
J05 - 31C	*	GND	
J05 - 32A	#	+5V	
J05 - 32C	#	+5V	
J06 - 01A	#	+5V	
J06 - 01C	#	+5V	
J06 - 02A	*	GND	
J06 - 02C	*	GND	
J06 - 03A	P03 - 03	IN01+06	
J06 - 03C	P03 - 04	IN01-06	
J06 - 05A	P03 - 07	IN02+06	
J06 - 05C	P03 - 08	IN02-06	
J06 - 07A	P03 - 11	IN03+06	
J06 - 07C	P03 - 12	IN03-06	
J06 - 09A	P03 - 15	IN04+06	
J06 - 09C	P03 - 16	IN04-06	
J06 - 11A	P03 - 19	IN05+06	
J06 - 11C	P03 - 20	IN05-06	
J06 - 13A	P03 - 23	IN06+06	
J06 - 13C	P03 - 24	IN06-06	
J06 - 15A	P03 - 27	IN07+06	
J06 - 15C	P03 - 28	IN07-06	
J06 - 17A	P03 - 31	IN08+06	
J06 - 17C	P03 - 32	IN08-06	
J06 - 19A	P03 - 35	IN09+06	
J06 - 19C	P03 - 36	IN09-06	
J06 - 21A	P03 - 39	IN10+06	
J06 - 21C	P03 - 40	IN10-06	
J06 - 23A	P12 - 28	BSEL-06	
J06 - 24A	P12 - 29	IN11+06	
J06 - 24C	P12 - 30	IN11-06	
J06 - 26A	P12 - 31	IN12+06	
J06 - 26C	P12 - 32	IN12-06	
J06 - 28A	P12 - 33	IN13+06	
J06 - 28C	P12 - 34	IN13-06	
J06 - 31A	*	GND	
J06 - 31C	*	GND	
J06 - 32A	#	+5V	
J06 - 32C	#	+5V	
J07 - 01A	#	+5V	
J07 - 01C	#	+5V	
J07 - 02A	*	GND	
J07 - 02C	*	GND	
J07 - 03A	P04 - 01	IN01+07	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J07 - 03C	P04 - 02	IN01-07	
J07 - 05A	P04 - 05	IN02+07	
J07 - 05C	P04 - 06	IN02-07	
J07 - 07A	P04 - 09	IN03+07	
J07 - 07C	P04 - 10	IN03-07	
J07 - 09A	P04 - 13	IN04+07	
J07 - 09C	P04 - 14	IN04-07	
J07 - 11A	P04 - 17	IN05+07	
J07 - 11C	P04 - 18	IN05-07	
J07 - 13A	P04 - 21	IN06+07	
J07 - 13C	P04 - 22	IN06-07	
J07 - 15A	P04 - 25	IN07+07	
J07 - 15C	P04 - 26	IN07-07	
J07 - 17A	P04 - 29	IN08+07	
J07 - 17C	P04 - 30	IN08-07	
J07 - 19A	P04 - 33	IN09+07	
J07 - 19C	P04 - 34	IN09-07	
J07 - 21A	P04 - 37	IN10+07	
J07 - 21C	P04 - 38	IN10-07	
J07 - 23A	P12 - 44	BSEL-07	
J07 - 24A	P12 - 45	IN11+07	
J07 - 24C	P12 - 46	IN11-07	
J07 - 26A	P12 - 47	IN12+07	
J07 - 26C	P12 - 48	IN12-07	
J07 - 28A	P12 - 49	IN13+07	
J07 - 28C	P12 - 50	IN13-07	
J07 - 31A	*	GND	
J07 - 31C	*	GND	
J07 - 32A	#	+5V	
J07 - 32C	#	+5V	
J08 - 01A	#	+5V	
J08 - 01C	#	+5V	
J08 - 02A	*	GND	
J08 - 02C	*	GND	
J08 - 03A	P04 - 03	IN01+08	
J08 - 03C	P04 - 04	IN01-08	
J08 - 05A	P04 - 07	IN02+08	
J08 - 05C	P04 - 08	IN02-08	
J08 - 07A	P04 - 11	IN03+08	
J08 - 07C	P04 - 12	IN03-08	
J08 - 09A	P04 - 15	IN04+08	
J08 - 09C	P04 - 16	IN04-08	
J08 - 11A	P04 - 19	IN05+08	
J08 - 11C	P04 - 20	IN05-08	
J08 - 13A	P04 - 23	IN06+08	
J08 - 13C	P04 - 24	IN06-08	

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J08 - 15A	P04 - 27	IN07+08	
J08 - 15C	P04 - 28	IN07-08	
J08 - 17A	P04 - 31	IN08+08	
J08 - 17C	P04 - 32	IN08-08	
J08 - 19A	P04 - 35	IN09+08	
J08 - 19C	P04 - 36	IN09-08	
J08 - 21A	P04 - 39	IN10+08	
J08 - 21C	P04 - 40	IN10-08	
J08 - 23A	P12 - 36	BSEL-08	
J08 - 24A	P12 - 37	IN11+08	
J08 - 24C	P12 - 38	IN11-08	
J08 - 26A	P12 - 39	IN12+08	
J08 - 26C	P12 - 40	IN12-08	
J08 - 28A	P12 - 41	IN13+08	
J08 - 28C	P12 - 42	IN13-08	
J08 - 31A	*	GND	
J08 - 31C	*	GND	
J08 - 32A	#	+5V	
J08 - 32C	#	+5V	
J09 - 01A	#	+5V	
J09 - 01C	#	+5V	
J09 - 02A	*	GND	
J09 - 02C	*	GND	
J09 - 03A	P05 - 01	IN01+09	
J09 - 03C	P05 - 02	IN01-09	
J09 - 05A	P05 - 05	IN02+09	
J09 - 05C	P05 - 06	IN02-09	
J09 - 07A	P05 - 09	IN03+09	
J09 - 07C	P05 - 10	IN03-09	
J09 - 09A	P05 - 13	IN04+09	
J09 - 09C	P05 - 14	IN04-09	
J09 - 11A	P05 - 17	IN05+09	
J09 - 11C	P05 - 18	IN05-09	
J09 - 13A	P05 - 21	IN06+09	
J09 - 13C	P05 - 22	IN06-09	
J09 - 15A	P05 - 25	IN07+09	
J09 - 15C	P05 - 26	IN07-09	
J09 - 17A	P05 - 29	IN08+09	
J09 - 17C	P05 - 30	IN08-09	
J09 - 19A	P05 - 33	IN09+09	
J09 - 19C	P05 - 34	IN09-09	
J09 - 21A	P05 - 37	IN10+09	
J09 - 21C	P05 - 38	IN10-09	
J09 - 23A	P12 - 20	BSEL-09	
J09 - 24A	P12 - 21	IN11+09	
J09 - 24C	P12 - 22	IN11-09	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J09 - 26A	P12 - 23	IN12+09	
J09 - 26C	P12 - 24	IN12-09	
J09 - 28A	P12 - 25	IN13+09	
J09 - 28C	P12 - 26	IN13-09	
J09 - 31A	*	GND	
J09 - 31C	*	GND	
J09 - 32A	#	+5V	
J09 - 32C	#	+5V	
J10 - 01A	#	+5V	
J10 - 01C	#	+5V	
J10 - 02A	*	GND	
J10 - 02C	*	GND	
J10 - 03A	P05 - 03	IN01+10	
J10 - 03C	P05 - 04	IN01-10	
J10 - 05A	P05 - 07	IN02+10	
J10 - 05C	P05 - 08	IN02-10	
J10 - 07A	P05 - 11	IN03+10	
J10 - 07C	P05 - 12	IN03-10	
J10 - 09A	P05 - 15	IN04+10	
J10 - 09C	P05 - 16	IN04-10	
J10 - 11A	P05 - 19	IN05+10	
J10 - 11C	P05 - 20	IN05-10	
J10 - 13A	P05 - 23	IN06+10	
J10 - 13C	P05 - 24	IN06-10	
J10 - 15A	P05 - 27	IN07+10	
J10 - 15C	P05 - 28	IN07-10	
J10 - 17A	P05 - 31	IN08+10	
J10 - 17C	P05 - 32	IN08-10	
J10 - 19A	P05 - 35	IN09+10	
J10 - 19C	P05 - 36	IN09-10	
J10 - 21A	P05 - 39	IN10+10	
J10 - 21C	P05 - 40	IN10-10	
J10 - 23A	P12 - 12	BSEL-10	
J10 - 24A	P12 - 13	IN11+10	
J10 - 24C	P12 - 14	IN11-10	
J10 - 26A	P12 - 15	IN12+10	
J10 - 26C	P12 - 16	IN12-10	
J10 - 28A	P12 - 17	IN13+10	
J10 - 28C	P12 - 18	IN13-10	
J10 - 31A	*	GND	
J10 - 31C	*	GND	
J10 - 32A	#	+5V	
J10 - 32C	#	+5V	
J11 - 01A	#	+5V	
J11 - 01C	#	+5V	
J11 - 02A	*	GND	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J11 - 02C	*	GND	
J11 - 03A	P06 - 01	OUT01+01	
J11 - 03C	P06 - 02	OUT01-01	
J11 - 05A	P06 - 03	OUT02+01	
J11 - 05C	P06 - 04	OUT02-01	
J11 - 07A	P06 - 05	OUT03+01	
J11 - 07C	P06 - 06	OUT03-01	
J11 - 09A	P06 - 07	OUT04+01	
J11 - 09C	P06 - 08	OUT04-01	
J11 - 11A	P06 - 09	OUT05+01	
J11 - 11C	P06 - 10	OUT05-01	
J11 - 13A	P06 - 11	OUT06+01	
J11 - 13C	P06 - 12	OUT06-01	
J11 - 15A	P06 - 13	OUT07+01	
J11 - 15C	P06 - 14	OUT07-01	
J11 - 17A	P06 - 15	OUT08+01	
J11 - 17C	P06 - 16	OUT08-01	
J11 - 19A	P06 - 17	OUT09+01	
J11 - 19C	P06 - 18	OUT09-01	
J11 - 21A	P06 - 19	OUT10+01	
J11 - 21C	P06 - 20	OUT10-01	
J11 - 24A	P13 - 01	OUT11+01	
J11 - 24C	P13 - 02	OUT11-01	
J11 - 26A	P13 - 03	OUT12+01	
J11 - 26C	P13 - 04	OUT12-01	
J11 - 28A	P13 - 05	OUT13+01	
J11 - 28C	P13 - 06	OUT13-01	
J11 - 31A	*	GND	
J11 - 31C	*	GND	
J11 - 32A	#	+5V	
J11 - 32C	#	+5V	
J12 - 01A	#	+5V	
J12 - 01C	#	+5V	
J12 - 02A	*	GND	
J12 - 02C	*	GND	
J12 - 03A	P06 - 21	OUT01+02	
J12 - 03C	P06 - 22	OUT01-02	
J12 - 05A	P06 - 23	OUT02+02	
J12 - 05C	P06 - 24	OUT02-02	
J12 - 07A	P06 - 25	OUT03+02	
J12 - 07C	P06 - 26	OUT03-02	
J12 - 09A	P06 - 27	OUT04+02	
J12 - 09C	P06 - 28	OUT04-02	
J12 - 11A	P06 - 29	OUT05+02	
J12 - 11C	P06 - 30	OUT05-02	
J12 - 13A	P06 - 31	OUT06+02	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J12 - 13C	P06 - 32	OUT06-02	
J12 - 15A	P06 - 33	OUT07+02	
J12 - 15C	P06 - 34	OUT07-02	
J12 - 17A	P06 - 35	OUT08+02	
J12 - 17C	P06 - 36	OUT08-02	
J12 - 19A	P06 - 37	OUT09+02	
J12 - 19C	P06 - 38	OUT09-02	
J12 - 21A	P06 - 39	OUT10+02	
J12 - 21C	P06 - 40	OUT10-02	
J12 - 24A	P13 - 08	OUT11+02	
J12 - 24C	P13 - 09	OUT11-02	
J12 - 26A	P13 - 10	OUT12+02	
J12 - 26C	P13 - 11	OUT12-02	
J12 - 28A	P13 - 12	OUT13+02	
J12 - 28C	P13 - 13	OUT13-02	
J12 - 31A	*	GND	
J12 - 31C	*	GND	
J12 - 32A	#	+5V	
J12 - 32C	#	+5V	
J13 - 01A	#	+5V	
J13 - 01C	#	+5V	
J13 - 02A	*	GND	
J13 - 02C	*	GND	
J13 - 03A	P07 - 01	OUT01+03	
J13 - 03C	P07 - 02	OUT01-03	
J13 - 05A	P07 - 03	OUT02+03	
J13 - 05C	P07 - 04	OUT02-03	
J13 - 07A	P07 - 05	OUT03+03	
J13 - 07C	P07 - 06	OUT03-03	
J13 - 09A	P07 - 07	OUT04+03	
J13 - 09C	P07 - 08	OUT04-03	
J13 - 11A	P07 - 09	OUT05+03	
J13 - 11C	P07 - 10	OUT05-03	
J13 - 13A	P07 - 11	OUT06+03	
J13 - 13C	P07 - 12	OUT06-03	
J13 - 15A	P07 - 13	OUT07+03	
J13 - 15C	P07 - 14	OUT07-03	
J13 - 17A	P07 - 15	OUT08+03	
J13 - 17C	P07 - 16	OUT08-03	
J13 - 19A	P07 - 17	OUT09+03	
J13 - 19C	P07 - 18	OUT09-03	
J13 - 21A	P07 - 19	OUT10+03	
J13 - 21C	P07 - 20	OUT10-03	
J13 - 24A	P13 - 15	OUT11+03	
J13 - 24C	P13 - 16	OUT11-03	
J13 - 26A	P13 - 17	OUT12+03	

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J13 - 26C	P13 - 18	OUT12-03	
J13 - 28A	P13 - 19	OUT13+03	
J13 - 28C	P13 - 20	OUT13-03	
J13 - 31A	*	GND	
J13 - 31C	*	GND	
J13 - 32A	#	+5V	
J13 - 32C	#	+5V	
J14 - 01A	#	+5V	
J14 - 01C	#	+5V	
J14 - 02A	*	GND	
J14 - 02C	*	GND	
J14 - 03A	P07 - 21	OUT01+04	
J14 - 03C	P07 - 22	OUT01-04	
J14 - 05A	P07 - 23	OUT02+04	
J14 - 05C	P07 - 24	OUT02-04	
J14 - 07A	P07 - 25	OUT03+04	
J14 - 07C	P07 - 26	OUT03-04	
J14 - 09A	P07 - 27	OUT04+04	
J14 - 09C	P07 - 28	OUT04-04	
J14 - 11A	P07 - 29	OUT05+04	
J14 - 11C	P07 - 30	OUT05-04	
J14 - 13A	P07 - 31	OUT06+04	
J14 - 13C	P07 - 32	OUT06-04	
J14 - 15A	P07 - 33	OUT07+04	
J14 - 15C	P07 - 34	OUT07-04	
J14 - 17A	P07 - 35	OUT08+04	
J14 - 17C	P07 - 36	OUT08-04	
J14 - 19A	P07 - 37	OUT09+04	
J14 - 19C	P07 - 38	OUT09-04	
J14 - 21A	P07 - 39	OUT10+04	
J14 - 21C	P07 - 40	OUT10-04	
J14 - 24A	P13 - 22	OUT11+04	
J14 - 24C	P13 - 23	OUT11-04	
J14 - 26A	P13 - 24	OUT12+04	
J14 - 26C	P13 - 25	OUT12-04	
J14 - 28A	P13 - 26	OUT13+04	
J14 - 28C	P13 - 27	OUT13-04	
J14 - 31A	*	GND	
J14 - 31C	*	GND	
J14 - 32A	#	+5V	
J14 - 32C	#	+5V	
J15 - 01A	#	+5V	
J15 - 01C	#	+5V	
J15 - 02A	*	GND	
J15 - 02C	*	GND	
J15 - 03A	P08 - 01	OUT01+05	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J15 - 03C	P08 - 02	OUT01-05	
J15 - 05A	P08 - 03	OUT02+05	
J15 - 05C	P08 - 04	OUT02-05	
J15 - 07A	P08 - 05	OUT03+05	
J15 - 07C	P08 - 06	OUT03-05	
J15 - 09A	P08 - 07	OUT04+05	
J15 - 09C	P08 - 08	OUT04-05	
J15 - 11A	P08 - 09	OUT05+05	
J15 - 11C	P08 - 10	OUT05-05	
J15 - 13A	P08 - 11	OUT06+05	
J15 - 13C	P08 - 12	OUT06-05	
J15 - 15A	P08 - 13	OUT07+05	
J15 - 15C	P08 - 14	OUT07-05	
J15 - 17A	P08 - 15	OUT08+05	
J15 - 17C	P08 - 16	OUT08-05	
J15 - 19A	P08 - 17	OUT09+05	
J15 - 19C	P08 - 18	OUT09-05	
J15 - 21A	P08 - 19	OUT10+05	
J15 - 21C	P08 - 20	OUT10-05	
J15 - 24A	P13 - 29	OUT11+05	
J15 - 24C	P13 - 30	OUT11-05	
J15 - 26A	P13 - 31	OUT12+05	
J15 - 26C	P13 - 32	OUT12-05	
J15 - 28A	P13 - 33	OUT13+05	
J15 - 28C	P13 - 34	OUT13-05	
J15 - 31A	*	GND	
J15 - 31C	*	GND	
J15 - 32A	#	+5V	
J15 - 32C	#	+5V	
J16 - 01A	#	+5V	
J16 - 01C	#	+5V	
J16 - 02A	*	GND	
J16 - 02C	*	GND	
J16 - 03A	P08 - 21	OUT01+06	
J16 - 03C	P08 - 22	OUT01-06	
J16 - 05A	P08 - 23	OUT02+06	
J16 - 05C	P08 - 24	OUT02-06	
J16 - 07A	P08 - 25	OUT03+06	
J16 - 07C	P08 - 26	OUT03-06	
J16 - 09A	P08 - 27	OUT04+06	
J16 - 09C	P08 - 28	OUT04-06	
J16 - 11A	P08 - 29	OUT05+06	
J16 - 11C	P08 - 30	OUT05-06	
J16 - 13A	P08 - 31	OUT06+06	
J16 - 13C	P08 - 32	OUT06-06	
J16 - 15A	P08 - 33	OUT07+06	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J16 - 15C	P08 - 34	OUT07-06	
J16 - 17A	P08 - 35	OUT08+06	
J16 - 17C	P08 - 36	OUT08-06	
J16 - 19A	P08 - 37	OUT09+06	
J16 - 19C	P08 - 38	OUT09-06	
J16 - 21A	P08 - 39	OUT10+06	
J16 - 21C	P08 - 40	OUT10-06	
J16 - 24A	P14 - 01	OUT11+06	
J16 - 24C	P14 - 02	OUT11-06	
J16 - 26A	P14 - 03	OUT12+06	
J16 - 26C	P14 - 04	OUT12-06	
J16 - 28A	P14 - 05	OUT13+06	
J16 - 28C	P14 - 06	OUT13-06	
J16 - 31A	*	GND	
J16 - 31C	*	GND	
J16 - 32A	#	+5V	
J16 - 32C	#	+5V	
J17 - 01A	#	+5V	
J17 - 01C	#	+5V	
J17 - 02A	*	GND	
J17 - 02C	*	GND	
J17 - 03A	P09 - 01	OUT01+07	
J17 - 03C	P09 - 02	OUT01-07	
J17 - 05A	P09 - 03	OUT02+07	
J17 - 05C	P09 - 04	OUT02-07	
J17 - 07A	P09 - 05	OUT03+07	
J17 - 07C	P09 - 06	OUT03-07	
J17 - 09A	P09 - 07	OUT04+07	
J17 - 09C	P09 - 08	OUT04-07	
J17 - 11A	P09 - 09	OUT05+07	
J17 - 11C	P09 - 10	OUT05-07	
J17 - 13A	P09 - 11	OUT06+07	
J17 - 13C	P09 - 12	OUT06-07	
J17 - 15A	P09 - 13	OUT07+07	
J17 - 15C	P09 - 14	OUT07-07	
J17 - 17A	P09 - 15	OUT08+07	
J17 - 17C	P09 - 16	OUT08-07	
J17 - 19A	P09 - 17	OUT09+07	
J17 - 19C	P09 - 18	OUT09-07	
J17 - 21A	P09 - 19	OUT10+07	
J17 - 21C	P09 - 20	OUT10-07	
J17 - 24A	P14 - 08	OUT11+07	
J17 - 24C	P14 - 09	OUT11-07	
J17 - 26A	P14 - 10	OUT12+07	
J17 - 26C	P14 - 11	OUT12-07	
J17 - 28A	P14 - 12	OUT13+07	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J17 - 28C	P14 - 13	OUT13-07	
J17 - 31A	*	GND	
J17 - 31C	*	GND	
J17 - 32A	#	+5V	
J17 - 32C	#	+5V	
J18 - 01A	#	+5V	
J18 - 01C	#	+5V	
J18 - 02A	*	GND	
J18 - 02C	*	GND	
J18 - 03A	P09 - 21	OUT01+08	
J18 - 03C	P09 - 22	OUT01-08	
J18 - 05A	P09 - 23	OUT02+08	
J18 - 05C	P09 - 24	OUT02-08	
J18 - 07A	P09 - 25	OUT03+08	
J18 - 07C	P09 - 26	OUT03-08	
J18 - 09A	P09 - 27	OUT04+08	
J18 - 09C	P09 - 28	OUT04-08	
J18 - 11A	P09 - 29	OUT05+08	
J18 - 11C	P09 - 30	OUT05-08	
J18 - 13A	P09 - 31	OUT06+08	
J18 - 13C	P09 - 32	OUT06-08	
J18 - 15A	P09 - 33	OUT07+08	
J18 - 15C	P09 - 34	OUT07-08	
J18 - 17A	P09 - 35	OUT08+08	
J18 - 17C	P09 - 36	OUT08-08	
J18 - 19A	P09 - 37	OUT09+08	
J18 - 19C	P09 - 38	OUT09-08	
J18 - 21A	P09 - 39	OUT10+08	
J18 - 21C	P09 - 40	OUT10-08	
J18 - 24A	P14 - 15	OUT11+08	
J18 - 24C	P14 - 16	OUT11-08	
J18 - 26A	P14 - 17	OUT12+08	
J18 - 26C	P14 - 18	OUT12-08	
J18 - 28A	P14 - 19	OUT13+08	
J18 - 28C	P14 - 20	OUT13-08	
J18 - 31A	*	GND	
J18 - 31C	*	GND	
J18 - 32A	#	+5V	
J18 - 32C	#	+5V	
J19 - 01A	#	+5V	
J19 - 01C	#	+5V	
J19 - 02A	*	GND	
J19 - 02C	*	GND	
J19 - 03A	P10 - 01	OUT01+09	
J19 - 03C	P10 - 02	OUT01-09	
J19 - 05A	P10 - 03	OUT02+09	

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J19 - 05C	P10 - 04	OUT02-09	
J19 - 07A	P10 - 05	OUT03+09	
J19 - 07C	P10 - 06	OUT03-09	
J19 - 09A	P10 - 07	OUT04+09	
J19 - 09C	P10 - 08	OUT04-09	
J19 - 11A	P10 - 09	OUT05+09	
J19 - 11C	P10 - 10	OUT05-09	
J19 - 13A	P10 - 11	OUT06+09	
J19 - 13C	P10 - 12	OUT06-09	
J19 - 15A	P10 - 13	OUT07+09	
J19 - 15C	P10 - 14	OUT07-09	
J19 - 17A	P10 - 15	OUT08+09	
J19 - 17C	P10 - 16	OUT08-09	
J19 - 19A	P10 - 17	OUT09+09	
J19 - 19C	P10 - 18	OUT09-09	
J19 - 21A	P10 - 19	OUT10+09	
J19 - 21C	P10 - 20	OUT10-09	
J19 - 24A	P14 - 22	OUT11+09	
J19 - 24C	P14 - 23	OUT11-09	
J19 - 26A	P14 - 24	OUT12+09	
J19 - 26C	P14 - 25	OUT12-09	
J19 - 28A	P14 - 26	OUT13+09	
J19 - 28C	P14 - 27	OUT13-09	
J19 - 31A	*	GND	
J19 - 31C	*	GND	
J19 - 32A	#	+5V	
J19 - 32C	#	+5V	
J20 - 01A	#	+5V	
J20 - 01C	#	+5V	
J20 - 02A	*	GND	
J20 - 02C	*	GND	
J20 - 03A	P10 - 21	OUT01+10	
J20 - 03C	P10 - 22	OUT01-10	
J20 - 05A	P10 - 23	OUT02+10	
J20 - 05C	P10 - 24	OUT02-10	
J20 - 07A	P10 - 25	OUT03+10	
J20 - 07C	P10 - 26	OUT03-10	
J20 - 09A	P10 - 27	OUT04+10	
J20 - 09C	P10 - 28	OUT04-10	
J20 - 11A	P10 - 29	OUT05+10	
J20 - 11C	P10 - 30	OUT05-10	
J20 - 13A	P10 - 31	OUT06+10	
J20 - 13C	P10 - 32	OUT06-10	
J20 - 15A	P10 - 33	OUT07+10	
J20 - 15C	P10 - 34	OUT07-10	
J20 - 17A	P10 - 35	OUT08+10	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
J20 - 17C	P10 - 36	OUT08-10	
J20 - 19A	P10 - 37	OUT09+10	
J20 - 19C	P10 - 38	OUT09-10	
J20 - 21A	P10 - 39	OUT10+10	
J20 - 21C	P10 - 40	OUT10-10	
J20 - 24A	P14 - 29	OUT11+10	
J20 - 24C	P14 - 30	OUT11-10	
J20 - 26A	P14 - 31	OUT12+10	
J20 - 26C	P14 - 32	OUT12-10	
J20 - 28A	P14 - 33	OUT13+10	
J20 - 28C	P14 - 34	OUT13-10	
J20 - 31A	*	GND	
J20 - 31C	*	GND	
J20 - 32A	#	+5V	
J20 - 32C	#	+5V	
P01 - 01	J01 - 03A	IN01+01	
P01 - 02	J01 - 03C	IN01-01	
P01 - 03	J02 - 03A	IN01+02	
P01 - 04	J02 - 03C	IN01-02	
P01 - 05	J01 - 05A	IN02+01	
P01 - 06	J01 - 05C	IN02-01	
P01 - 07	J02 - 05A	IN02+02	
P01 - 08	J02 - 05C	IN02-02	
P01 - 09	J01 - 07A	IN03+01	
P01 - 10	J01 - 07C	IN03-01	
P01 - 11	J02 - 07A	IN03+02	
P01 - 12	J02 - 07C	IN03-02	
P01 - 13	J01 - 09A	IN04+01	
P01 - 14	J01 - 09C	IN04-01	
P01 - 15	J02 - 09A	IN04+02	
P01 - 16	J02 - 09C	IN04-02	
P01 - 17	J01 - 11A	IN05+01	
P01 - 18	J01 - 11C	IN05-01	
P01 - 19	J02 - 11A	IN05+02	
P01 - 20	J02 - 11C	IN05-02	
P01 - 21	J01 - 13A	IN06+01	
P01 - 22	J01 - 13C	IN06-01	
P01 - 23	J02 - 13A	IN06+02	
P01 - 24	J02 - 13C	IN06-02	
P01 - 25	J01 - 15A	IN07+01	
P01 - 26	J01 - 15C	IN07-01	
P01 - 27	J02 - 15A	IN07+02	
P01 - 28	J02 - 15C	IN07-02	
P01 - 29	J01 - 17A	IN08+01	
P01 - 30	J01 - 17C	IN08-01	
P01 - 31	J02 - 17A	IN08+02	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P01 - 32	J02 - 17C	IN08-02	
P01 - 33	J01 - 19A	IN09+01	
P01 - 34	J01 - 19C	IN09-01	
P01 - 35	J02 - 19A	IN09+02	
P01 - 36	J02 - 19C	IN09-02	
P01 - 37	J01 - 21A	IN10+01	
P01 - 38	J01 - 21C	IN10-01	
P01 - 39	J02 - 21A	IN10+02	
P01 - 40	J02 - 21C	IN10-02	
P01 - 41		n/c	
P01 - 42		n/c	
P01 - 43		n/c	
P01 - 44		n/c	
P01 - 45		n/c	
P01 - 46		n/c	
P01 - 47		n/c	
P01 - 48		n/c	
P01 - 49		n/c	
P01 - 50		n/c	
P02 TO B401 ANALOG CROSS CONNECT			
P02 - 01	J03 - 03A	IN01+03	
P02 - 02	J03 - 03C	IN01-03	
P02 - 03	J04 - 03A	IN01+04	
P02 - 04	J04 - 03C	IN01-04	
P02 - 05	J03 - 05A	IN02+03	
P02 - 06	J03 - 05C	IN02-03	
P02 - 07	J04 - 05A	IN02+04	
P02 - 08	J04 - 05C	IN02-04	
P02 - 09	J03 - 07A	IN03+03	
P02 - 10	J03 - 07C	IN03-03	
P02 - 11	J04 - 07A	IN03+04	
P02 - 12	J04 - 07C	IN03-04	
P02 - 13	J03 - 09A	IN04+03	
P02 - 14	J03 - 09C	IN04-03	
P02 - 15	J04 - 09A	IN04+04	
P02 - 16	J04 - 09C	IN04-04	
P02 - 17	J03 - 11A	IN05+03	
P02 - 18	J03 - 11C	IN05-03	
P02 - 19	J04 - 11A	IN05+04	
P02 - 20	J04 - 11C	IN05-04	
P02 - 21	J03 - 13A	IN06+03	
P02 - 22	J03 - 13C	IN06-03	
P02 - 23	J04 - 13A	IN06+04	
P02 - 24	J04 - 13C	IN06-04	
P02 - 25	J03 - 15A	IN07+03	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P02 - 26	J03 - 15C	IN07-03	
P02 - 27	J04 - 15A	IN07+04	
P02 - 28	J04 - 15C	IN07-04	
P02 - 29	J03 - 17A	IN08+03	
P02 - 30	J03 - 17C	IN08-03	
P02 - 31	J04 - 17A	IN08+04	
P02 - 32	J04 - 17C	IN08-04	
P02 - 33	J03 - 19A	IN09+03	
P02 - 34	J03 - 19C	IN09-03	
P02 - 35	J04 - 19A	IN09+04	
P02 - 36	J04 - 19C	IN09-04	
P02 - 37	J03 - 21A	IN10+03	
P02 - 38	J03 - 21C	IN10-03	
P02 - 39	J04 - 21A	IN10+04	
P02 - 40	J04 - 21C	IN10-04	
P02 - 41		n/c	
P02 - 42		n/c	
P02 - 43		n/c	
P02 - 44		n/c	
P02 - 45		n/c	
P02 - 46		n/c	
P02 - 47		n/c	
P02 - 48		n/c	
P02 - 49		n/c	
P02 - 50		n/c	
P03 TO B401 ANALOG CROSS CONNECT			
P03 - 01	J05 - 03A	IN01+05	
P03 - 02	J05 - 03C	IN01-05	
P03 - 03	J06 - 03A	IN01+06	
P03 - 04	J06 - 03C	IN01-06	
P03 - 05	J05 - 05A	IN02+05	
P03 - 06	J05 - 05C	IN02-05	
P03 - 07	J06 - 05A	IN02+06	
P03 - 08	J06 - 05C	IN02-06	
P03 - 09	J05 - 07A	IN03+05	
P03 - 10	J05 - 07C	IN03-05	
P03 - 11	J06 - 07A	IN03+06	
P03 - 12	J06 - 07C	IN03-06	
P03 - 13	J05 - 09A	IN04+05	
P03 - 14	J05 - 09C	IN04-05	
P03 - 15	J06 - 09A	IN04+06	
P03 - 16	J06 - 09C	IN04-06	
P03 - 17	J05 - 11A	IN05+05	
P03 - 18	J05 - 11C	IN05-05	
P03 - 19	J06 - 11A	IN05+06	

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P03 - 20	J06 - 11C	IN05-06	
P03 - 21	J05 - 13A	IN06+05	
P03 - 22	J05 - 13C	IN06-05	
P03 - 23	J06 - 13A	IN06+06	
P03 - 24	J06 - 13C	IN06-06	
P03 - 25	J05 - 15A	IN07+05	
P03 - 26	J05 - 15C	IN07-05	
P03 - 27	J06 - 15A	IN07+06	
P03 - 28	J06 - 15C	IN07-06	
P03 - 29	J05 - 17A	IN08+05	
P03 - 30	J05 - 17C	IN08-05	
P03 - 31	J06 - 17A	IN08+06	
P03 - 32	J06 - 17C	IN08-06	
P03 - 33	J05 - 19A	IN09+05	
P03 - 34	J05 - 19C	IN09-05	
P03 - 35	J06 - 19A	IN09+06	
P03 - 36	J06 - 19C	IN09-06	
P03 - 37	J05 - 21A	IN10+05	
P03 - 38	J05 - 21C	IN10-05	
P03 - 39	J06 - 21A	IN10+06	
P03 - 40	J06 - 21C	IN10-06	
P03 - 41		n/c	
P03 - 42		n/c	
P03 - 43		n/c	
P03 - 44		n/c	
P03 - 45		n/c	
P03 - 46		n/c	
P03 - 47		n/c	
P03 - 48		n/c	
P03 - 49		n/c	
P03 - 50		n/c	
P04 TO B401 ANALOG CROSS CONNECT			
P04 - 01	J07 - 03A	IN01+07	
P04 - 02	J07 - 03C	IN01-07	
P04 - 03	J08 - 03A	IN01+08	
P04 - 04	J08 - 03C	IN01-08	
P04 - 05	J07 - 05A	IN02+07	
P04 - 06	J07 - 05C	IN02-07	
P04 - 07	J08 - 05A	IN02+08	
P04 - 08	J08 - 05C	IN02-08	
P04 - 09	J07 - 07A	IN03+07	
P04 - 10	J07 - 07C	IN03-07	
P04 - 11	J08 - 07A	IN03+08	
P04 - 12	J08 - 07C	IN03-08	
P04 - 13	J07 - 09A	IN04+07	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P04 - 14	J07 - 09C	IN04-07	
P04 - 15	J08 - 09A	IN04+08	
P04 - 16	J08 - 09C	IN04-08	
P04 - 17	J07 - 11A	IN05+07	
P04 - 18	J07 - 11C	IN05-07	
P04 - 19	J08 - 11A	IN05+08	
P04 - 20	J08 - 11C	IN05-08	
P04 - 21	J07 - 13A	IN06+07	
P04 - 22	J07 - 13C	IN06-07	
P04 - 23	J08 - 13A	IN06+08	
P04 - 24	J08 - 13C	IN06-08	
P04 - 25	J07 - 15A	IN07+07	
P04 - 26	J07 - 15C	IN07-07	
P04 - 27	J08 - 15A	IN07+08	
P04 - 28	J08 - 15C	IN07-08	
P04 - 29	J07 - 17A	IN08+07	
P04 - 30	J07 - 17C	IN08-07	
P04 - 31	J08 - 17A	IN08+08	
P04 - 32	J08 - 17C	IN08-08	
P04 - 33	J07 - 19A	IN09+07	
P04 - 34	J07 - 19C	IN09-07	
P04 - 35	J08 - 19A	IN09+08	
P04 - 36	J08 - 19C	IN09-08	
P04 - 37	J07 - 21A	IN10+07	
P04 - 38	J07 - 21C	IN10-07	
P04 - 39	J08 - 21A	IN10+08	
P04 - 40	J08 - 21C	IN10-08	
P04 - 41		n/c	
P04 - 42		n/c	
P04 - 43		n/c	
P04 - 44		n/c	
P04 - 45		n/c	
P04 - 46		n/c	
P04 - 47		n/c	
P04 - 48		n/c	
P04 - 49		n/c	
P04 - 50		n/c	
P05 TO B401 ANALOG CROSS CONNECT			
P05 - 01	J09 - 03A	IN01+09	
P05 - 02	J09 - 03C	IN01-09	
P05 - 03	J10 - 03A	IN01+10	
P05 - 04	J10 - 03C	IN01-10	
P05 - 05	J09 - 05A	IN02+09	
P05 - 06	J09 - 05C	IN02-09	
P05 - 07	J10 - 05A	IN02+10	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P05 - 08	J10 - 05C	IN02-10	
P05 - 09	J09 - 07A	IN03+09	
P05 - 10	J09 - 07C	IN03-09	
P05 - 11	J10 - 07A	IN03+10	
P05 - 12	J10 - 07C	IN03-10	
P05 - 13	J09 - 09A	IN04+09	
P05 - 14	J09 - 09C	IN04-09	
P05 - 15	J10 - 09A	IN04+10	
P05 - 16	J10 - 09C	IN04-10	
P05 - 17	J09 - 11A	IN05+09	
P05 - 18	J09 - 11C	IN05-09	
P05 - 19	J10 - 11A	IN05+10	
P05 - 20	J10 - 11C	IN05-10	
P05 - 21	J09 - 13A	IN06+09	
P05 - 22	J09 - 13C	IN06-09	
P05 - 23	J10 - 13A	IN06+10	
P05 - 24	J10 - 13C	IN06-10	
P05 - 25	J09 - 15A	IN07+09	
P05 - 26	J09 - 15C	IN07-09	
P05 - 27	J10 - 15A	IN07+10	
P05 - 28	J10 - 15C	IN07-10	
P05 - 29	J09 - 17A	IN08+09	
P05 - 30	J09 - 17C	IN08-09	
P05 - 31	J10 - 17A	IN08+10	
P05 - 32	J10 - 17C	IN08-10	
P05 - 33	J09 - 19A	IN09+09	
P05 - 34	J09 - 19C	IN09-09	
P05 - 35	J10 - 19A	IN09+10	
P05 - 36	J10 - 19C	IN09-10	
P05 - 37	J09 - 21A	IN10+09	
P05 - 38	J09 - 21C	IN10-09	
P05 - 39	J10 - 21A	IN10+10	
P05 - 40	J10 - 21C	IN10-10	
P05 - 41		n/c	
P05 - 42		n/c	
P05 - 43		n/c	
P05 - 44		n/c	
P05 - 45		n/c	
P05 - 46		n/c	
P05 - 47		n/c	
P05 - 48		n/c	
P05 - 49		n/c	
P05 - 50		n/c	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P06 TO B401 ANALOG CROSS CONNECT			
P06 - 01	J11 - 03A	OUT01+01	PB02A/09A - 01
P06 - 02	J11 - 03C	OUT01-01	PB02A/09A - 26
P06 - 03	J11 - 05A	OUT02+01	PB02A/09A - 02
P06 - 04	J11 - 05C	OUT02-01	PB02A/09A - 27
P06 - 05	J11 - 07A	OUT03+01	PB02A/09A - 03
P06 - 06	J11 - 07C	OUT03-01	PB02A/09A - 28
P06 - 07	J11 - 09A	OUT04+01	PB02A/09A - 04
P06 - 08	J11 - 09C	OUT04-01	PB02A/09A - 29
P06 - 09	J11 - 11A	OUT05+01	PB02A/09A - 05
P06 - 10	J11 - 11C	OUT05-01	PB02A/09A - 30
P06 - 11	J11 - 13A	OUT06+01	PB02A/09A - 06
P06 - 12	J11 - 13C	OUT06-01	PB02A/09A - 31
P06 - 13	J11 - 15A	OUT07+01	PB02A/09A - 07
P06 - 14	J11 - 15C	OUT07-01	PB02A/09A - 32
P06 - 15	J11 - 17A	OUT08+01	PB02A/09A - 08
P06 - 16	J11 - 17C	OUT08-01	PB02A/09A - 33
P06 - 17	J11 - 19A	OUT09+01	PB02A/09A - 09
P06 - 18	J11 - 19C	OUT09-01	PB02A/09A - 34
P06 - 19	J11 - 21A	OUT10+01	PB02A/09A - 10
P06 - 20	J11 - 21C	OUT10-01	PB02A/09A - 35
P06 - 21	J12 - 03A	OUT01+02	PB02A/09A - 11
P06 - 22	J12 - 03C	OUT01-02	PB02A/09A - 36
P06 - 23	J12 - 05A	OUT02+02	PB02A/09A - 12
P06 - 24	J12 - 05C	OUT02-02	PB02A/09A - 37
P06 - 25	J12 - 07A	OUT03+02	PB02A/09A - 13
P06 - 26	J12 - 07C	OUT03-02	PB02A/09A - 38
P06 - 27	J12 - 09A	OUT04+02	PB02A/09A - 14
P06 - 28	J12 - 09C	OUT04-02	PB02A/09A - 39
P06 - 29	J12 - 11A	OUT05+02	PB02A/09A - 15
P06 - 30	J12 - 11C	OUT05-02	PB02A/09A - 40
P06 - 31	J12 - 13A	OUT06+02	PB02A/09A - 16
P06 - 32	J12 - 13C	OUT06-02	PB02A/09A - 41
P06 - 33	J12 - 15A	OUT07+02	PB02A/09A - 17
P06 - 34	J12 - 15C	OUT07-02	PB02A/09A - 42
P06 - 35	J12 - 17A	OUT08+02	PB02A/09A - 18
P06 - 36	J12 - 17C	OUT08-02	PB02A/09A - 43
P06 - 37	J12 - 19A	OUT09+02	PB02A/09A - 19
P06 - 38	J12 - 19C	OUT09-02	PB02A/09A - 44
P06 - 39	J12 - 21A	OUT10+02	PB02A/09A - 20
P06 - 40	J12 - 21C	OUT10-02	PB02A/09A - 45
P06 - 41		n/c	PB02A/09A - 21
P06 - 42		n/c	PB02A/09A - 46
P06 - 43		n/c	PB02A/09A - 22
P06 - 44		n/c	PB02A/09A - 47

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P06 - 45		n/c	PB02A/09A - 23
P06 - 46		n/c	PB02A/09A - 48
P06 - 47		n/c	PB02A/09A - 24
P06 - 48		n/c	PB02A/09A - 49
P06 - 49		n/c	PB02A/09A - 25
P06 - 50		n/c	PB02A/09A - 50
P07 TO B401 ANALOG CROSS CONNECT			
P07 - 01	J13 - 03A	OUT01+03	PB03A/10A - 01
P07 - 02	J13 - 03C	OUT01-03	PB03A/10A - 26
P07 - 03	J13 - 05A	OUT02+03	PB03A/10A - 02
P07 - 04	J13 - 05C	OUT02-03	PB03A/10A - 27
P07 - 05	J13 - 07A	OUT03+03	PB03A/10A - 03
P07 - 06	J13 - 07C	OUT03-03	PB03A/10A - 28
P07 - 07	J13 - 09A	OUT04+03	PB03A/10A - 04
P07 - 08	J13 - 09C	OUT04-03	PB03A/10A - 29
P07 - 09	J13 - 11A	OUT05+03	PB03A/10A - 05
P07 - 10	J13 - 11C	OUT05-03	PB03A/10A - 30
P07 - 11	J13 - 13A	OUT06+03	PB03A/10A - 06
P07 - 12	J13 - 13C	OUT06-03	PB03A/10A - 31
P07 - 13	J13 - 15A	OUT07+03	PB03A/10A - 07
P07 - 14	J13 - 15C	OUT07-03	PB03A/10A - 32
P07 - 15	J13 - 17A	OUT08+03	PB03A/10A - 08
P07 - 16	J13 - 17C	OUT08-03	PB03A/10A - 33
P07 - 17	J13 - 19A	OUT09+03	PB03A/10A - 09
P07 - 18	J13 - 19C	OUT09-03	PB03A/10A - 34
P07 - 19	J13 - 21A	OUT10+03	PB03A/10A - 10
P07 - 20	J13 - 21C	OUT10-03	PB03A/10A - 35
P07 - 21	J14 - 03A	OUT01+04	PB03A/10A - 11
P07 - 22	J14 - 03C	OUT01-04	PB03A/10A - 36
P07 - 23	J14 - 05A	OUT02+04	PB03A/10A - 12
P07 - 24	J14 - 05C	OUT02-04	PB03A/10A - 37
P07 - 25	J14 - 07A	OUT03+04	PB03A/10A - 13
P07 - 26	J14 - 07C	OUT03-04	PB03A/10A - 38
P07 - 27	J14 - 09A	OUT04+04	PB03A/10A - 14
P07 - 28	J14 - 09C	OUT04-04	PB03A/10A - 39
P07 - 29	J14 - 11A	OUT05+04	PB03A/10A - 15
P07 - 30	J14 - 11C	OUT05-04	PB03A/10A - 40
P07 - 31	J14 - 13A	OUT06+04	PB03A/10A - 16
P07 - 32	J14 - 13C	OUT06-04	PB03A/10A - 41
P07 - 33	J14 - 15A	OUT07+04	PB03A/10A - 17
P07 - 34	J14 - 15C	OUT07-04	PB03A/10A - 42
P07 - 35	J14 - 17A	OUT08+04	PB03A/10A - 18
P07 - 36	J14 - 17C	OUT08-04	PB03A/10A - 43
P07 - 37	J14 - 19A	OUT09+04	PB03A/10A - 19
P07 - 38	J14 - 19C	OUT09-04	PB03A/10A - 44

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P07 - 39	J14 - 21A	OUT10+04	PB03A/10A - 20
P07 - 40	J14 - 21C	OUT10-04	PB03A/10A - 45
P07 - 41		n/c	PB03A/10A - 21
P07 - 42		n/c	PB03A/10A - 46
P07 - 43		n/c	PB03A/10A - 22
P07 - 44		n/c	PB03A/10A - 47
P07 - 45		n/c	PB03A/10A - 23
P07 - 46		n/c	PB03A/10A - 48
P07 - 47		n/c	PB03A/10A - 24
P07 - 48		n/c	PB03A/10A - 49
P07 - 49		n/c	PB03A/10A - 25
P07 - 50		n/c	PB03A/10A - 50
P08 TO B401 ANALOG CROSS CONNECT			
P08 - 01	J15 - 03A	OUT01+05	PB04A/11A - 01
P08 - 02	J15 - 03C	OUT01-05	PB04A/11A - 26
P08 - 03	J15 - 05A	OUT02+05	PB04A/11A - 02
P08 - 04	J15 - 05C	OUT02-05	PB04A/11A - 27
P08 - 05	J15 - 07A	OUT03+05	PB04A/11A - 03
P08 - 06	J15 - 07C	OUT03-05	PB04A/11A - 28
P08 - 07	J15 - 09A	OUT04+05	PB04A/11A - 04
P08 - 08	J15 - 09C	OUT04-05	PB04A/11A - 29
P08 - 09	J15 - 11A	OUT05+05	PB04A/11A - 05
P08 - 10	J15 - 11C	OUT05-05	PB04A/11A - 30
P08 - 11	J15 - 13A	OUT06+05	PB04A/11A - 06
P08 - 12	J15 - 13C	OUT06-05	PB04A/11A - 31
P08 - 13	J15 - 15A	OUT07+05	PB04A/11A - 07
P08 - 14	J15 - 15C	OUT07-05	PB04A/11A - 32
P08 - 15	J15 - 17A	OUT08+05	PB04A/11A - 08
P08 - 16	J15 - 17C	OUT08-05	PB04A/11A - 33
P08 - 17	J15 - 19A	OUT09+05	PB04A/11A - 09
P08 - 18	J15 - 19C	OUT09-05	PB04A/11A - 34
P08 - 19	J15 - 21A	OUT10+05	PB04A/11A - 10
P08 - 20	J15 - 21C	OUT10-05	PB04A/11A - 35
P08 - 21	J16 - 03A	OUT01+06	PB04A/11A - 11
P08 - 22	J16 - 03C	OUT01-06	PB04A/11A - 36
P08 - 23	J16 - 05A	OUT02+06	PB04A/11A - 12
P08 - 24	J16 - 05C	OUT02-06	PB04A/11A - 37
P08 - 25	J16 - 07A	OUT03+06	PB04A/11A - 13
P08 - 26	J16 - 07C	OUT03-06	PB04A/11A - 38
P08 - 27	J16 - 09A	OUT04+06	PB04A/11A - 14
P08 - 28	J16 - 09C	OUT04-06	PB04A/11A - 39
P08 - 29	J16 - 11A	OUT05+06	PB04A/11A - 15
P08 - 30	J16 - 11C	OUT05-06	PB04A/11A - 40
P08 - 31	J16 - 13A	OUT06+06	PB04A/11A - 16
P08 - 32	J16 - 13C	OUT06-06	PB04A/11A - 41

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P08 - 33	J16 - 15A	OUT07+06	PB04A/11A - 17
P08 - 34	J16 - 15C	OUT07-06	PB04A/11A - 42
P08 - 35	J16 - 17A	OUT08+06	PB04A/11A - 18
P08 - 36	J16 - 17C	OUT08-06	PB04A/11A - 43
P08 - 37	J16 - 19A	OUT09+06	PB04A/11A - 19
P08 - 38	J16 - 19C	OUT09-06	PB04A/11A - 44
P08 - 39	J16 - 21A	OUT10+06	PB04A/11A - 20
P08 - 40	J16 - 21C	OUT10-06	PB04A/11A - 45
P08 - 41		n/c	PB04A/11A - 21
P08 - 42		n/c	PB04A/11A - 46
P08 - 43		n/c	PB04A/11A - 22
P08 - 44		n/c	PB04A/11A - 47
P08 - 45		n/c	PB04A/11A - 23
P08 - 46		n/c	PB04A/11A - 48
P08 - 47		n/c	PB04A/11A - 24
P08 - 48		n/c	PB04A/11A - 49
P08 - 49		n/c	PB04A/11A - 25
P08 - 50		n/c	PB04A/11A - 50
P09 TO B401 ANALOG CROSS CONNECT			
P09 - 01	J17 - 03A	OUT01+07	PB05A/12A - 01
P09 - 02	J17 - 03C	OUT01-07	PB05A/12A - 26
P09 - 03	J17 - 05A	OUT02+07	PB05A/12A - 02
P09 - 04	J17 - 05C	OUT02-07	PB05A/12A - 27
P09 - 05	J17 - 07A	OUT03+07	PB05A/12A - 03
P09 - 06	J17 - 07C	OUT03-07	PB05A/12A - 28
P09 - 07	J17 - 09A	OUT04+07	PB05A/12A - 04
P09 - 08	J17 - 09C	OUT04-07	PB05A/12A - 29
P09 - 09	J17 - 11A	OUT05+07	PB05A/12A - 05
P09 - 10	J17 - 11C	OUT05-07	PB05A/12A - 30
P09 - 11	J17 - 13A	OUT06+07	PB05A/12A - 06
P09 - 12	J17 - 13C	OUT06-07	PB05A/12A - 31
P09 - 13	J17 - 15A	OUT07+07	PB05A/12A - 07
P09 - 14	J17 - 15C	OUT07-07	PB05A/12A - 32
P09 - 15	J17 - 17A	OUT08+07	PB05A/12A - 08
P09 - 16	J17 - 17C	OUT08-07	PB05A/12A - 33
P09 - 17	J17 - 19A	OUT09+07	PB05A/12A - 09
P09 - 18	J17 - 19C	OUT09-07	PB05A/12A - 34
P09 - 19	J17 - 21A	OUT10+07	PB05A/12A - 10
P09 - 20	J17 - 21C	OUT10-07	PB05A/12A - 35
P09 - 21	J18 - 03A	OUT01+08	PB05A/12A - 11
P09 - 22	J18 - 03C	OUT01-08	PB05A/12A - 36
P09 - 23	J18 - 05A	OUT02+08	PB05A/12A - 12
P09 - 24	J18 - 05C	OUT02-08	PB05A/12A - 37
P09 - 25	J18 - 07A	OUT03+08	PB05A/12A - 13
P09 - 26	J18 - 07C	OUT03-08	PB05A/12A - 38

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P09 - 27	J18 - 09A	OUT04+08	PB05A/12A - 14
P09 - 28	J18 - 09C	OUT04-08	PB05A/12A - 39
P09 - 29	J18 - 11A	OUT05+08	PB05A/12A - 15
P09 - 30	J18 - 11C	OUT05-08	PB05A/12A - 40
P09 - 31	J18 - 13A	OUT06+08	PB05A/12A - 16
P09 - 32	J18 - 13C	OUT06-08	PB05A/12A - 41
P09 - 33	J18 - 15A	OUT07+08	PB05A/12A - 17
P09 - 34	J18 - 15C	OUT07-08	PB05A/12A - 42
P09 - 35	J18 - 17A	OUT08+08	PB05A/12A - 18
P09 - 36	J18 - 17C	OUT08-08	PB05A/12A - 43
P09 - 37	J18 - 19A	OUT09+08	PB05A/12A - 19
P09 - 38	J18 - 19C	OUT09-08	PB05A/12A - 44
P09 - 39	J18 - 21A	OUT10+08	PB05A/12A - 20
P09 - 40	J18 - 21C	OUT10-08	PB05A/12A - 45
P09 - 41		n/c	PB05A/12A - 21
P09 - 42		n/c	PB05A/12A - 46
P09 - 43		n/c	PB05A/12A - 22
P09 - 44		n/c	PB05A/12A - 47
P09 - 45		n/c	PB05A/12A - 23
P09 - 46		n/c	PB05A/12A - 48
P09 - 47		n/c	PB05A/12A - 24
P09 - 48		n/c	PB05A/12A - 49
P09 - 49		n/c	PB05A/12A - 25
P09 - 50		n/c	PB05A/12A - 50
P10 TO B401 ANALOG CROSS CONNECT			
P10 - 01	J19 - 03A	OUT01+09	PB06A/13A - 01
P10 - 02	J19 - 03C	OUT01-09	PB06A/13A - 26
P10 - 03	J19 - 05A	OUT02+09	PB06A/13A - 02
P10 - 04	J19 - 05C	OUT02-09	PB06A/13A - 27
P10 - 05	J19 - 07A	OUT03+09	PB06A/13A - 03
P10 - 06	J19 - 07C	OUT03-09	PB06A/13A - 28
P10 - 07	J19 - 09A	OUT04+09	PB06A/13A - 04
P10 - 08	J19 - 09C	OUT04-09	PB06A/13A - 29
P10 - 09	J19 - 11A	OUT05+09	PB06A/13A - 05
P10 - 10	J19 - 11C	OUT05-09	PB06A/13A - 30
P10 - 11	J19 - 13A	OUT06+09	PB06A/13A - 06
P10 - 12	J19 - 13C	OUT06-09	PB06A/13A - 31
P10 - 13	J19 - 15A	OUT07+09	PB06A/13A - 07
P10 - 14	J19 - 15C	OUT07-09	PB06A/13A - 32
P10 - 15	J19 - 17A	OUT08+09	PB06A/13A - 08
P10 - 16	J19 - 17C	OUT08-09	PB06A/13A - 33
P10 - 17	J19 - 19A	OUT09+09	PB06A/13A - 09
P10 - 18	J19 - 19C	OUT09-09	PB06A/13A - 34
P10 - 19	J19 - 21A	OUT10+09	PB06A/13A - 10
P10 - 20	J19 - 21C	OUT10-09	PB06A/13A - 35

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P10 - 21	J20 - 03A	OUT01+10	PB06A/13A - 11
P10 - 22	J20 - 03C	OUT01-10	PB06A/13A - 36
P10 - 23	J20 - 05A	OUT02+10	PB06A/13A - 12
P10 - 24	J20 - 05C	OUT02-10	PB06A/13A - 37
P10 - 25	J20 - 07A	OUT03+10	PB06A/13A - 13
P10 - 26	J20 - 07C	OUT03-10	PB06A/13A - 38
P10 - 27	J20 - 09A	OUT04+10	PB06A/13A - 14
P10 - 28	J20 - 09C	OUT04-10	PB06A/13A - 39
P10 - 29	J20 - 11A	OUT05+10	PB06A/13A - 15
P10 - 30	J20 - 11C	OUT05-10	PB06A/13A - 40
P10 - 31	J20 - 13A	OUT06+10	PB06A/13A - 16
P10 - 32	J20 - 13C	OUT06-10	PB06A/13A - 41
P10 - 33	J20 - 15A	OUT07+10	PB06A/13A - 17
P10 - 34	J20 - 15C	OUT07-10	PB06A/13A - 42
P10 - 35	J20 - 17A	OUT08+10	PB06A/13A - 18
P10 - 36	J20 - 17C	OUT08-10	PB06A/13A - 43
P10 - 37	J20 - 19A	OUT09+10	PB06A/13A - 19
P10 - 38	J20 - 19C	OUT09-10	PB06A/13A - 44
P10 - 39	J20 - 21A	OUT10+10	PB06A/13A - 20
P10 - 40	J20 - 21C	OUT10-10	PB06A/13A - 45
P10 - 41		n/c	PB06A/13A - 21
P10 - 42		n/c	PB06A/13A - 46
P10 - 43		n/c	PB06A/13A - 22
P10 - 44		n/c	PB06A/13A - 47
P10 - 45		n/c	PB06A/13A - 23
P10 - 46		n/c	PB06A/13A - 48
P10 - 47		n/c	PB06A/13A - 24
P10 - 48		n/c	PB06A/13A - 49
P10 - 49		n/c	PB06A/13A - 25
P10 - 50		n/c	PB06A/13A - 50
P11 TO B401 ANALOG CROSS CONNECT			
P11 - 01		n/c	
P11 - 02		n/c	
P11 - 03		n/c	
P11 - 04		n/c	
P11 - 05		n/c	
P11 - 06		n/c	
P11 - 07		n/c	
P11 - 08		n/c	
P11 - 09		n/c	
P11 - 10		n/c	
P11 - 11	*	GND	
P11 - 12	J05 - 23A	BSEL-05	
P11 - 13	J05 - 24A	IN11+05	
P11 - 14	J05 - 24C	IN11-05	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P11 - 15	J05 - 26A	IN12+05	
P11 - 16	J05 - 26C	IN12-05	
P11 - 17	J05 - 28A	IN13+05	
P11 - 18	J05 - 28C	IN13-05	
P11 - 19	*	GND	
P11 - 20	J04 - 23A	BSEL-04	
P11 - 21	J04 - 24A	IN11+04	
P11 - 22	J04 - 24C	IN11-04	
P11 - 23	J04 - 26A	IN12+04	
P11 - 24	J04 - 26C	IN12-04	
P11 - 25	J04 - 28A	IN13+04	
P11 - 26	J04 - 28C	IN13-04	
P11 - 27	*	GND	
P11 - 28	J01 - 23A	BSEL-01	
P11 - 29	J01 - 24A	IN11+01	
P11 - 30	J01 - 24C	IN11-01	
P11 - 31	J01 - 26A	IN12+01	
P11 - 32	J01 - 26C	IN12-01	
P11 - 33	J01 - 28A	IN13+01	
P11 - 34	J01 - 28C	IN13-01	
P11 - 35	*	GND	
P11 - 36	J03 - 23A	BSEL-03	
P11 - 37	J03 - 24A	IN11+03	
P11 - 38	J03 - 24C	IN11-03	
P11 - 39	J03 - 26A	IN12+03	
P11 - 40	J03 - 26C	IN12-03	
P11 - 41	J03 - 28A	IN13+03	
P11 - 42	J03 - 28C	IN13-03	
P11 - 43	*	GND	
P11 - 44	J02 - 23A	BSEL-02	
P11 - 45	J02 - 24A	IN11+02	
P11 - 46	J02 - 24C	IN11-02	
P11 - 47	J02 - 26A	IN12+02	
P11 - 48	J02 - 26C	IN12-02	
P11 - 49	J02 - 28A	IN13+02	
P11 - 50	J02 - 28C	IN13-02	
P12 TO B401 ANALOG CROSS CONNECT			
P12 - 01		n/c	
P12 - 02		n/c	
P12 - 03		n/c	
P12 - 04		n/c	
P12 - 05		n/c	
P12 - 06		n/c	
P12 - 07		n/c	
P12 - 08		n/c	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P12 - 09		n/c	
P12 - 10		n/c	
P12 - 11	*	GND	
P12 - 12	J10 - 23A	BSEL-10	
P12 - 13	J10 - 24A	IN11+10	
P12 - 14	J10 - 24C	IN11-10	
P12 - 15	J10 - 26A	IN12+10	
P12 - 16	J10 - 26C	IN12-10	
P12 - 17	J10 - 28A	IN13+10	
P12 - 18	J10 - 28C	IN13-10	
P12 - 19	*	GND	
P12 - 20	J09 - 23A	BSEL-09	
P12 - 21	J09 - 24A	IN11+09	
P12 - 22	J09 - 24C	IN11-09	
P12 - 23	J09 - 26A	IN12+09	
P12 - 24	J09 - 26C	IN12-09	
P12 - 25	J09 - 28A	IN13+09	
P12 - 26	J09 - 28C	IN13-09	
P12 - 27	*	GND	
P12 - 28	J06 - 23A	BSEL-06	
P12 - 29	J06 - 24A	IN11+06	
P12 - 30	J06 - 24C	IN11-06	
P12 - 31	J06 - 26A	IN12+06	
P12 - 32	J06 - 26C	IN12-06	
P12 - 33	J06 - 28A	IN13+06	
P12 - 34	J06 - 28C	IN13-06	
P12 - 35	*	GND	
P12 - 36	J08 - 23A	BSEL-08	
P12 - 37	J08 - 24A	IN11+08	
P12 - 38	J08 - 24C	IN11-08	
P12 - 39	J08 - 26A	IN12+08	
P12 - 40	J08 - 26C	IN12-08	
P12 - 41	J08 - 28A	IN13+08	
P12 - 42	J08 - 28C	IN13-08	
P12 - 43	*	GND	
P12 - 44	J07 - 23A	BSEL-07	
P12 - 45	J07 - 24A	IN11+07	
P12 - 46	J07 - 24C	IN11-07	
P12 - 47	J07 - 26A	IN12+07	
P12 - 48	J07 - 26C	IN12-07	
P12 - 49	J07 - 28A	IN13+07	
P12 - 50	J07 - 28C	IN13-07	

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P13 TO B401 ANALOG CROSS CONNECT			
P13 - 01	J11 - 24A	OUT11+01	PB07A/14A - 01
P13 - 02	J11 - 24C	OUT11-01	PB07A/14A - 26
P13 - 03	J11 - 26A	OUT12+01	PB07A/14A - 02
P13 - 04	J11 - 26C	OUT12-01	PB07A/14A - 27
P13 - 05	J11 - 28A	OUT13+01	PB07A/14A - 03
P13 - 06	J11 - 28C	OUT13-01	PB07A/14A - 28
P13 - 07	*	GND	PB07A/14A - 04
P13 - 08	J12 - 24A	OUT11+02	PB07A/14A - 29
P13 - 09	J12 - 24C	OUT11-02	PB07A/14A - 05
P13 - 10	J12 - 26A	OUT12+02	PB07A/14A - 30
P13 - 11	J12 - 26C	OUT12-02	PB07A/14A - 06
P13 - 12	J12 - 28A	OUT13+02	PB07A/14A - 31
P13 - 13	J12 - 28C	OUT13-02	PB07A/14A - 07
P13 - 14	*	GND	PB07A/14A - 32
P13 - 15	J13 - 24A	OUT11+03	PB07A/14A - 08
P13 - 16	J13 - 24C	OUT11-03	PB07A/14A - 33
P13 - 17	J13 - 26A	OUT12+03	PB07A/14A - 09
P13 - 18	J13 - 26C	OUT12-03	PB07A/14A - 34
P13 - 19	J13 - 28A	OUT13+03	PB07A/14A - 10
P13 - 20	J13 - 28C	OUT13-03	PB07A/14A - 35
P13 - 21	*	GND	PB07A/14A - 11
P13 - 22	J14 - 24A	OUT11+04	PB07A/14A - 36
P13 - 23	J14 - 24C	OUT11-04	PB07A/14A - 12
P13 - 24	J14 - 26A	OUT12+04	PB07A/14A - 37
P13 - 25	J14 - 26C	OUT12-04	PB07A/14A - 13
P13 - 26	J14 - 28A	OUT13+04	PB07A/14A - 38
P13 - 27	J14 - 28C	OUT13-04	PB07A/14A - 14
P13 - 28	*	GND	PB07A/14A - 39
P13 - 29	J15 - 24A	OUT11+05	PB07A/14A - 15
P13 - 30	J15 - 24C	OUT11-05	PB07A/14A - 40
P13 - 31	J15 - 26A	OUT12+05	PB07A/14A - 16
P13 - 32	J15 - 26C	OUT12-05	PB07A/14A - 41
P13 - 33	J15 - 28A	OUT13+05	PB07A/14A - 17
P13 - 34	J15 - 28C	OUT13-05	PB07A/14A - 42
P13 - 35	*	GND	PB07A/14A - 18
P13 - 36		n/c	PB07A/14A - 43
P13 - 37		n/c	PB07A/14A - 19
P13 - 38		n/c	PB07A/14A - 44
P13 - 39		n/c	PB07A/14A - 20
P13 - 40		n/c	PB07A/14A - 45
P13 - 41		n/c	PB07A/14A - 21
P13 - 42		n/c	PB07A/14A - 46
P13 - 43		n/c	PB07A/14A - 22
P13 - 44		n/c	PB07A/14A - 47

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ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P13 - 45		n/c	PB07A/14A - 23
P13 - 46		n/c	PB07A/14A - 48
P13 - 47		n/c	PB07A/14A - 24
P13 - 48		n/c	PB07A/14A - 49
P13 - 49		n/c	PB07A/14A - 25
P13 - 50		n/c	PB07A/14A - 50
P14 TO B401 ANALOG CROSS CONNECT			
P14 - 01	J16 - 24A	OUT11+06	PB08A/15A - 01
P14 - 02	J16 - 24C	OUT11-06	PB08A/15A - 26
P14 - 03	J16 - 26A	OUT12+06	PB08A/15A - 02
P14 - 04	J16 - 26C	OUT12-06	PB08A/15A - 27
P14 - 05	J16 - 28A	OUT13+06	PB08A/15A - 03
P14 - 06	J16 - 28C	OUT13-06	PB08A/15A - 28
P14 - 07	*	GND	PB08A/15A - 04
P14 - 08	J17 - 24A	OUT11+07	PB08A/15A - 29
P14 - 09	J17 - 24C	OUT11-07	PB08A/15A - 05
P14 - 10	J17 - 26A	OUT12+07	PB08A/15A - 30
P14 - 11	J17 - 26C	OUT12-07	PB08A/15A - 06
P14 - 12	J17 - 28A	OUT13+07	PB08A/15A - 31
P14 - 13	J17 - 28C	OUT13-07	PB08A/15A - 07
P14 - 14	*	GND	PB08A/15A - 32
P14 - 15	J18 - 24A	OUT11+08	PB08A/15A - 08
P14 - 16	J18 - 24C	OUT11-08	PB08A/15A - 33
P14 - 17	J18 - 26A	OUT12+08	PB08A/15A - 09
P14 - 18	J18 - 26C	OUT12-08	PB08A/15A - 34
P14 - 19	J18 - 28A	OUT13+08	PB08A/15A - 10
P14 - 20	J18 - 28C	OUT13-08	PB08A/15A - 35
P14 - 21	*	GND	PB08A/15A - 11
P14 - 22	J19 - 24A	OUT11+09	PB08A/15A - 36
P14 - 23	J19 - 24C	OUT11-09	PB08A/15A - 12
P14 - 24	J19 - 26A	OUT12+09	PB08A/15A - 37
P14 - 25	J19 - 26C	OUT12-09	PB08A/15A - 13
P14 - 26	J19 - 28A	OUT13+09	PB08A/15A - 38
P14 - 27	J19 - 28C	OUT13-09	PB08A/15A - 14
P14 - 28	*	GND	PB08A/15A - 39
P14 - 29	J20 - 24A	OUT11+10	PB08A/15A - 15
P14 - 30	J20 - 24C	OUT11-10	PB08A/15A - 40
P14 - 31	J20 - 26A	OUT12+10	PB08A/15A - 16
P14 - 32	J20 - 26C	OUT12-10	PB08A/15A - 41
P14 - 33	J20 - 28A	OUT13+10	PB08A/15A - 17
P14 - 34	J20 - 28C	OUT13-10	PB08A/15A - 42
P14 - 35	*	GND	PB08A/15A - 18
P14 - 36		n/c	PB08A/15A - 43
P14 - 37		n/c	PB08A/15A - 19
P14 - 38		n/c	PB08A/15A - 44

ANALOG DELAY BACKPLANE			
FROM	TO	FUNCTION	PUNCH BLOCK
P14 - 39		n/c	PB08A/15A - 20
P14 - 40		n/c	PB08A/15A - 45
P14 - 41		n/c	PB08A/15A - 21
P14 - 42		n/c	PB08A/15A - 46
P14 - 43		n/c	PB08A/15A - 22
P14 - 44		n/c	PB08A/15A - 47
P14 - 45		n/c	PB08A/15A - 23
P14 - 46		n/c	PB08A/15A - 48
P14 - 47		n/c	PB08A/15A - 24
P14 - 48		n/c	PB08A/15A - 49
P14 - 49		n/c	PB08A/15A - 25
P14 - 50		n/c	PB08A/15A - 50
TB1 - 01	F01 - 01	+5IN	
F01 - 02			
TB1 - 02			
TB1 - 03			
TB1 - 04			
TB1 - 02	F01 - 01	+5IN	
F01 - 02			
TB1 - 01			
TB1 - 03			
TB1 - 04			
TB1 - 03	F01 - 01	+5IN	
F01 - 02			
TB1 - 01			
TB1 - 02			
TB1 - 04			
TB1 - 04	F01 - 01	+5IN	
F01 - 02			
TB1 - 01			
TB1 - 02			
TB1 - 03			
TB1 - 05	*	GND	
TB1 - 06	*	GND	
TB1 - 09	*	GND	
TB1 - 12	*	GND	
INPUT FROM ANALOG CROSS CONNECT			
OUTPUT		FUNCTION	PUNCH BLOCK
A-200 P6 - 01		TXV S01 CH01 T	PB02A - 01
A-200 P6 - 02		TXV S01 CH01 R	PB02A - 26
A-200 P6 - 03		TXV S01 CH02 T	PB02A - 02
A-200 P6 - 04		TXV S01 CH02 R	PB02A - 27
A-200 P6 - 05		TXV S01 CH03 T	PB02A - 03
A-200 P6 - 06		TXV S01 CH03 R	PB02A - 28
A-200 P6 - 07		TXV S01 CH04 T	PB02A - 04

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P6 - 08	TXV S01 CH04 R	PB02A - 29
A-200 P6 - 09	TXV S01 CH05 T	PB02A - 05
A-200 P6 - 10	TXV S01 CH05 R	PB02A - 30
A-200 P6 - 11	TXV S01 CH06 T	PB02A - 06
A-200 P6 - 12	TXV S01 CH06 R	PB02A - 31
A-200 P6 - 13	TXV S01 CH07 T	PB02A - 07
A-200 P6 - 14	TXV S01 CH07 R	PB02A - 32
A-200 P6 - 15	TXV S01 CH08 T	PB02A - 08
A-200 P6 - 16	TXV S01 CH08 R	PB02A - 33
A-200 P6 - 17	TXV S01 CH09 T	PB02A - 09
A-200 P6 - 18	TXV S01 CH09 R	PB02A - 34
A-200 P6 - 19	TXV S01 CH10 T	PB02A - 10
A-200 P6 - 20	TXV S01 CH10 R	PB02A - 35
A-200 P6 - 21	TXV S01 CH11 T	PB02A - 11
A-200 P6 - 22	TXV S01 CH11 R	PB02A - 36
A-200 P6 - 23	TXV S01 CH12 T	PB02A - 12
A-200 P6 - 24	TXV S01 CH12 R	PB02A - 37
A-200 P6 - 25	TXV S01 CH13 T	PB02A - 13
A-200 P6 - 26	TXV S01 CH13 R	PB02A - 38
A-200 P6 - 27	TXV S01 CH14 T	PB02A - 14
A-200 P6 - 28	TXV S01 CH14 R	PB02A - 39
A-200 P6 - 29	TXV S01 CH15 T	PB02A - 15
A-200 P6 - 30	TXV S01 CH15 R	PB02A - 40
A-200 P6 - 31	TXV S01 CH16 T	PB02A - 16
A-200 P6 - 32	TXV S01 CH16 R	PB02A - 41
A-200 P6 - 33	TXV S01 CH17 T	PB02A - 17
A-200 P6 - 34	TXV S01 CH17 R	PB02A - 42
A-200 P6 - 35	TXV S01 CH18 T	PB02A - 18
A-200 P6 - 36	TXV S01 CH18 R	PB02A - 43
A-200 P6 - 37	TXV S01 CH19 T	PB02A - 19
A-200 P6 - 38	TXV S01 CH19 R	PB02A - 44
A-200 P6 - 39	TXV S01 CH20 T	PB02A - 20
A-200 P6 - 40	TXV S01 CH20 R	PB02A - 45
A-200 P6 - 41	n/c	PB02A - 21
A-200 P6 - 42	n/c	PB02A - 46
A-200 P6 - 43	n/c	PB02A - 22
A-200 P6 - 44	n/c	PB02A - 47
A-200 P6 - 45	n/c	PB02A - 23
A-200 P6 - 46	n/c	PB02A - 48
A-200 P6 - 47	n/c	PB02A - 24
A-200 P6 - 48	n/c	PB02A - 49
A-200 P6 - 49	n/c	PB02A - 25
A-200 P6 - 50	n/c	PB02A - 50
A-200 P7 - 01	TXV S02 CH01 T	PB03A - 01
A-200 P7 - 02	TXV S02 CH01 R	PB03A - 26
A-200 P7 - 03	TXV S02 CH02 T	PB03A - 02

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P7 - 04	TXV S02 CH02 R	PB03A - 27
A-200 P7 - 05	TXV S02 CH03 T	PB03A - 03
A-200 P7 - 06	TXV S02 CH03 R	PB03A - 28
A-200 P7 - 07	TXV S02 CH04 T	PB03A - 04
A-200 P7 - 08	TXV S02 CH04 R	PB03A - 29
A-200 P7 - 09	TXV S02 CH05 T	PB03A - 05
A-200 P7 - 10	TXV S02 CH05 R	PB03A - 30
A-200 P7 - 11	TXV S02 CH06 T	PB03A - 06
A-200 P7 - 12	TXV S02 CH06 R	PB03A - 31
A-200 P7 - 13	TXV S02 CH07 T	PB03A - 07
A-200 P7 - 14	TXV S02 CH07 R	PB03A - 32
A-200 P7 - 15	TXV S02 CH08 T	PB03A - 08
A-200 P7 - 16	TXV S02 CH08 R	PB03A - 33
A-200 P7 - 17	TXV S02 CH09 T	PB03A - 09
A-200 P7 - 18	TXV S02 CH09 R	PB03A - 34
A-200 P7 - 19	TXV S02 CH10 T	PB03A - 10
A-200 P7 - 20	TXV S02 CH10 R	PB03A - 35
A-200 P7 - 21	TXV S02 CH11 T	PB03A - 11
A-200 P7 - 22	TXV S02 CH11 R	PB03A - 36
A-200 P7 - 23	TXV S02 CH12 T	PB03A - 12
A-200 P7 - 24	TXV S02 CH12 R	PB03A - 37
A-200 P7 - 25	TXV S02 CH13 T	PB03A - 13
A-200 P7 - 26	TXV S02 CH13 R	PB03A - 38
A-200 P7 - 27	TXV S02 CH14 T	PB03A - 14
A-200 P7 - 28	TXV S02 CH14 R	PB03A - 39
A-200 P7 - 29	TXV S02 CH15 T	PB03A - 15
A-200 P7 - 30	TXV S02 CH15 R	PB03A - 40
A-200 P7 - 31	TXV S02 CH16 T	PB03A - 16
A-200 P7 - 32	TXV S02 CH16 R	PB03A - 41
A-200 P7 - 33	TXV S02 CH17 T	PB03A - 17
A-200 P7 - 34	TXV S02 CH17 R	PB03A - 42
A-200 P7 - 35	TXV S02 CH18 T	PB03A - 18
A-200 P7 - 36	TXV S02 CH18 R	PB03A - 43
A-200 P7 - 37	TXV S02 CH19 T	PB03A - 19
A-200 P7 - 38	TXV S02 CH19 R	PB03A - 44
A-200 P7 - 39	TXV S02 CH20 T	PB03A - 20
A-200 P7 - 40	TXV S02 CH20 R	PB03A - 45
A-200 P7 - 41	n/c	PB03A - 21
A-200 P7 - 42	n/c	PB03A - 46
A-200 P7 - 43	n/c	PB03A - 22
A-200 P7 - 44	n/c	PB03A - 47
A-200 P7 - 45	n/c	PB03A - 23
A-200 P7 - 46	n/c	PB03A - 48
A-200 P7 - 47	n/c	PB03A - 24
A-200 P7 - 48	n/c	PB03A - 49
A-200 P7 - 49	n/c	PB03A - 25

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ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P7 - 50	n/c	PB03A - 50
A-200 P8 - 01	TXV S03 CH01 T	PB04A - 01
A-200 P8 - 02	TXV S03 CH01 R	PB04A - 26
A-200 P8 - 03	TXV S03 CH02 T	PB04A - 02
A-200 P8 - 04	TXV S03 CH02 R	PB04A - 27
A-200 P8 - 05	TXV S03 CH03 T	PB04A - 03
A-200 P8 - 06	TXV S03 CH03 R	PB04A - 28
A-200 P8 - 07	TXV S03 CH04 T	PB04A - 04
A-200 P8 - 08	TXV S03 CH04 R	PB04A - 29
A-200 P8 - 09	TXV S03 CH05 T	PB04A - 05
A-200 P8 - 10	TXV S03 CH05 R	PB04A - 30
A-200 P8 - 11	TXV S03 CH06 T	PB04A - 06
A-200 P8 - 12	TXV S03 CH06 R	PB04A - 31
A-200 P8 - 13	TXV S03 CH07 T	PB04A - 07
A-200 P8 - 14	TXV S03 CH07 R	PB04A - 32
A-200 P8 - 15	TXV S03 CH08 T	PB04A - 08
A-200 P8 - 16	TXV S03 CH08 R	PB04A - 33
A-200 P8 - 17	TXV S03 CH09 T	PB04A - 09
A-200 P8 - 18	TXV S03 CH09 R	PB04A - 34
A-200 P8 - 19	TXV S03 CH10 T	PB04A - 10
A-200 P8 - 20	TXV S03 CH10 R	PB04A - 35
A-200 P8 - 21	TXV S03 CH11 T	PB04A - 11
A-200 P8 - 22	TXV S03 CH11 R	PB04A - 36
A-200 P8 - 23	TXV S03 CH12 T	PB04A - 12
A-200 P8 - 24	TXV S03 CH12 R	PB04A - 37
A-200 P8 - 25	TXV S03 CH13 T	PB04A - 13
A-200 P8 - 26	TXV S03 CH13 R	PB04A - 38
A-200 P8 - 27	TXV S03 CH14 T	PB04A - 14
A-200 P8 - 28	TXV S03 CH14 R	PB04A - 39
A-200 P8 - 29	TXV S03 CH15 T	PB04A - 15
A-200 P8 - 30	TXV S03 CH15 R	PB04A - 40
A-200 P8 - 31	TXV S03 CH16 T	PB04A - 16
A-200 P8 - 32	TXV S03 CH16 R	PB04A - 41
A-200 P8 - 33	TXV S03 CH17 T	PB04A - 17
A-200 P8 - 34	TXV S03 CH17 R	PB04A - 42
A-200 P8 - 35	TXV S03 CH18 T	PB04A - 18
A-200 P8 - 36	TXV S03 CH18 R	PB04A - 43
A-200 P8 - 37	TXV S03 CH19 T	PB04A - 19
A-200 P8 - 38	TXV S03 CH19 R	PB04A - 44
A-200 P8 - 39	TXV S03 CH20 T	PB04A - 20
A-200 P8 - 40	TXV S03 CH20 R	PB04A - 45
A-200 P8 - 41	n/c	PB04A - 21
A-200 P8 - 42	n/c	PB04A - 46
A-200 P8 - 43	n/c	PB04A - 22
A-200 P8 - 44	n/c	PB04A - 47
A-200 P8 - 45	n/c	PB04A - 23

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P8 - 46	n/c	PB04A - 48
A-200 P8 - 47	n/c	PB04A - 24
A-200 P8 - 48	n/c	PB04A - 49
A-200 P8 - 49	n/c	PB04A - 25
A-200 P8 - 50	n/c	PB04A - 50
A-200 P9 - 01	TXV S04 CH01 T	PB05A - 01
A-200 P9 - 02	TXV S04 CH01 R	PB05A - 26
A-200 P9 - 03	TXV S04 CH02 T	PB05A - 02
A-200 P9 - 04	TXV S04 CH02 R	PB05A - 27
A-200 P9 - 05	TXV S04 CH03 T	PB05A - 03
A-200 P9 - 06	TXV S04 CH03 R	PB05A - 28
A-200 P9 - 07	TXV S04 CH04 T	PB05A - 04
A-200 P9 - 08	TXV S04 CH04 R	PB05A - 29
A-200 P9 - 09	TXV S04 CH05 T	PB05A - 05
A-200 P9 - 10	TXV S04 CH05 R	PB05A - 30
A-200 P9 - 11	TXV S04 CH06 T	PB05A - 06
A-200 P9 - 12	TXV S04 CH06 R	PB05A - 31
A-200 P9 - 13	TXV S04 CH07 T	PB05A - 07
A-200 P9 - 14	TXV S04 CH07 R	PB05A - 32
A-200 P9 - 15	TXV S04 CH08 T	PB05A - 08
A-200 P9 - 16	TXV S04 CH08 R	PB05A - 33
A-200 P9 - 17	TXV S04 CH09 T	PB05A - 09
A-200 P9 - 18	TXV S04 CH09 R	PB05A - 34
A-200 P9 - 19	TXV S04 CH10 T	PB05A - 10
A-200 P9 - 20	TXV S04 CH10 R	PB05A - 35
A-200 P9 - 21	TXV S04 CH11 T	PB05A - 11
A-200 P9 - 22	TXV S04 CH11 R	PB05A - 36
A-200 P9 - 23	TXV S04 CH12 T	PB05A - 12
A-200 P9 - 24	TXV S04 CH12 R	PB05A - 37
A-200 P9 - 25	TXV S04 CH13 T	PB05A - 13
A-200 P9 - 26	TXV S04 CH13 R	PB05A - 38
A-200 P9 - 27	TXV S04 CH14 T	PB05A - 14
A-200 P9 - 28	TXV S04 CH14 R	PB05A - 39
A-200 P9 - 29	TXV S04 CH15 T	PB05A - 15
A-200 P9 - 30	TXV S04 CH15 R	PB05A - 40
A-200 P9 - 31	TXV S04 CH16 T	PB05A - 16
A-200 P9 - 32	TXV S04 CH16 R	PB05A - 41
A-200 P9 - 33	TXV S04 CH17 T	PB05A - 17
A-200 P9 - 34	TXV S04 CH17 R	PB05A - 42
A-200 P9 - 35	TXV S04 CH18 T	PB05A - 18
A-200 P9 - 36	TXV S04 CH18 R	PB05A - 43
A-200 P9 - 37	TXV S04 CH19 T	PB05A - 19
A-200 P9 - 38	TXV S04 CH19 R	PB05A - 44
A-200 P9 - 39	TXV S04 CH20 T	PB05A - 20
A-200 P9 - 40	TXV S04 CH20 R	PB05A - 45
A-200 P9 - 41	n/c	PB05A - 21

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P9 - 42	n/c	PB05A - 46
A-200 P9 - 43	n/c	PB05A - 22
A-200 P9 - 44	n/c	PB05A - 47
A-200 P9 - 45	n/c	PB05A - 23
A-200 P9 - 46	n/c	PB05A - 48
A-200 P9 - 47	n/c	PB05A - 24
A-200 P9 - 48	n/c	PB05A - 49
A-200 P9 - 49	n/c	PB05A - 25
A-200 P9 - 50	n/c	PB05A - 50
A-200 P10 - 01	TXV S05 CH01 T	PB06A - 01
A-200 P10 - 02	TXV S05 CH01 R	PB06A - 26
A-200 P10 - 03	TXV S05 CH02 T	PB06A - 02
A-200 P10 - 04	TXV S05 CH02 R	PB06A - 27
A-200 P10 - 05	TXV S05 CH03 T	PB06A - 03
A-200 P10 - 06	TXV S05 CH03 R	PB06A - 28
A-200 P10 - 07	TXV S05 CH04 T	PB06A - 04
A-200 P10 - 08	TXV S05 CH04 R	PB06A - 29
A-200 P10 - 09	TXV S05 CH05 T	PB06A - 05
A-200 P10 - 10	TXV S05 CH05 R	PB06A - 30
A-200 P10 - 11	TXV S05 CH06 T	PB06A - 06
A-200 P10 - 12	TXV S05 CH06 R	PB06A - 31
A-200 P10 - 13	TXV S05 CH07 T	PB06A - 07
A-200 P10 - 14	TXV S05 CH07 R	PB06A - 32
A-200 P10 - 15	TXV S05 CH08 T	PB06A - 08
A-200 P10 - 16	TXV S05 CH08 R	PB06A - 33
A-200 P10 - 17	TXV S05 CH09 T	PB06A - 09
A-200 P10 - 18	TXV S05 CH09 R	PB06A - 34
A-200 P10 - 19	TXV S05 CH10 T	PB06A - 10
A-200 P10 - 20	TXV S05 CH10 R	PB06A - 35
A-200 P10 - 21	TXV S05 CH11 T	PB06A - 11
A-200 P10 - 22	TXV S05 CH11 R	PB06A - 36
A-200 P10 - 23	TXV S05 CH12 T	PB06A - 12
A-200 P10 - 24	TXV S05 CH12 R	PB06A - 37
A-200 P10 - 25	TXV S05 CH13 T	PB06A - 13
A-200 P10 - 26	TXV S05 CH13 R	PB06A - 38
A-200 P10 - 27	TXV S05 CH14 T	PB06A - 14
A-200 P10 - 28	TXV S05 CH14 R	PB06A - 39
A-200 P10 - 29	TXV S05 CH15 T	PB06A - 15
A-200 P10 - 30	TXV S05 CH15 R	PB06A - 40
A-200 P10 - 31	TXV S05 CH16 T	PB06A - 16
A-200 P10 - 32	TXV S05 CH16 R	PB06A - 41
A-200 P10 - 33	TXV S05 CH17 T	PB06A - 17
A-200 P10 - 34	TXV S05 CH17 R	PB06A - 42
A-200 P10 - 35	TXV S05 CH18 T	PB06A - 18
A-200 P10 - 36	TXV S05 CH18 R	PB06A - 43
A-200 P10 - 37	TXV S05 CH19 T	PB06A - 19

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P10 - 38	TXV S05 CH19 R	PB06A - 44
A-200 P10 - 39	TXV S05 CH20 T	PB06A - 20
A-200 P10 - 40	TXV S05 CH20 R	PB06A - 45
A-200 P10 - 41	n/c	PB06A - 21
A-200 P10 - 42	n/c	PB06A - 46
A-200 P10 - 43	n/c	PB06A - 22
A-200 P10 - 44	n/c	PB06A - 47
A-200 P10 - 45	n/c	PB06A - 23
A-200 P10 - 46	n/c	PB06A - 48
A-200 P10 - 47	n/c	PB06A - 24
A-200 P10 - 48	n/c	PB06A - 49
A-200 P10 - 49	n/c	PB06A - 25
A-200 P10 - 50	n/c	PB06A - 50
A-200 P13 - 01	TX 150D M S01 T	PB07A - 01
A-200 P13 - 02	TX 150D M S01 R	PB07A - 26
A-200 P13 - 03	TXV S01 CH21 T	PB07A - 02
A-200 P13 - 04	TXV S01 CH21 R	PB07A - 27
A-200 P13 - 05	TXV S01 CH22 T	PB07A - 03
A-200 P13 - 06	TXV S01 CH22 R	PB07A - 28
A-200 P13 - 07	GND	PB07A - 04
A-200 P13 - 08	TXV S01 CH23 T	PB07A - 29
A-200 P13 - 09	TXV S01 CH23 R	PB07A - 05
A-200 P13 - 10	TXV S01 CH24 T	PB07A - 30
A-200 P13 - 11	TXV S01 CH24 R	PB07A - 06
A-200 P13 - 12	TXV S01 CH25 T	PB07A - 31
A-200 P13 - 13	TXV S01 CH25 R	PB07A - 07
A-200 P13 - 14	GND	PB07A - 32
A-200 P13 - 15	TX 150D M S02 T	PB07A - 08
A-200 P13 - 16	TX 150D M S02 R	PB07A - 33
A-200 P13 - 17	TXV S02 CH21 T	PB07A - 09
A-200 P13 - 18	TXV S02 CH21 R	PB07A - 34
A-200 P13 - 19	TXV S02 CH22 T	PB07A - 10
A-200 P13 - 20	TXV S02 CH22 R	PB07A - 35
A-200 P13 - 21	GND	PB07A - 11
A-200 P13 - 22	TXV S02 CH23 T	PB07A - 36
A-200 P13 - 23	TXV S02 CH23 R	PB07A - 12
A-200 P13 - 24	TXV S02 CH24 T	PB07A - 37
A-200 P13 - 25	TXV S02 CH24 R	PB07A - 13
A-200 P13 - 26	TXV S02 CH25 T	PB07A - 38
A-200 P13 - 27	TXV S02 CH25 R	PB07A - 14
A-200 P13 - 28	GND	PB07A - 39
A-200 P13 - 29	TX 150D M S03 T	PB07A - 15
A-200 P13 - 30	TX 150D M S03 R	PB07A - 40
A-200 P13 - 31	TXV S03 CH21 T	PB07A - 16
A-200 P13 - 32	TXV S03 CH21 R	PB07A - 41
A-200 P13 - 33	TXV S03 CH22 T	PB07A - 17

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ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P13 - 34	TXV S03 CH22 R	PB07A - 42
A-200 P13 - 35	GND	PB07A - 18
A-200 P13 - 36	n/c	PB07A - 43
A-200 P13 - 37	n/c	PB07A - 19
A-200 P13 - 38	n/c	PB07A - 44
A-200 P13 - 39	n/	PB07A - 20
A-200 P13 - 40	n/c	PB07A - 45
A-200 P13 - 41	n/c	PB07A - 21
A-200 P13 - 42	GND	PB07A - 46
A-200 P13 - 43	n/c	PB07A - 22
A-200 P13 - 44	n/c	PB07A - 47
A-200 P13 - 45	n/c	PB07A - 23
A-200 P13 - 46	n/c	PB07A - 48
A-200 P13 - 47	n/c	PB07A - 24
A-200 P13 - 48	n/c	PB07A - 49
A-200 P13 - 49	n/c	PB07A - 25
A-200 P13 - 50	n/c	PB07A - 50
A-200 P14 - 01	TXV S03 CH23 T	PB08A - 01
A-200 P14 - 02	TXV S03 CH23 R	PB08A - 26
A-200 P14 - 03	TXV S03 CH24 T	PB08A - 02
A-200 P14 - 04	TXV S03 CH24 R	PB08A - 27
A-200 P14 - 05	TXV S03 CH25 T	PB08A - 03
A-200 P14 - 06	TXV S03 CH25 R	PB08A - 28
A-200 P14 - 07	GND	PB08A - 04
A-200 P14 - 08	TX 150D M S04 T	PB08A - 29
A-200 P14 - 09	TX 150D M S04 R	PB08A - 05
A-200 P14 - 10	TXV S04 CH21 T	PB08A - 30
A-200 P14 - 11	TXV S04 CH21 R	PB08A - 06
A-200 P14 - 12	TXV S04 CH22 T	PB08A - 31
A-200 P14 - 13	TXV S04 CH22 R	PB08A - 07
A-200 P14 - 14	GND	PB08A - 32
A-200 P14 - 15	TXV S04 CH23 T	PB08A - 08
A-200 P14 - 16	TXV S04 CH23 R	PB08A - 33
A-200 P14 - 17	TXV S04 CH24 T	PB08A - 09
A-200 P14 - 18	TXV S04 CH24 R	PB08A - 34
A-200 P14 - 19	TXV S04 CH25 T	PB08A - 10
A-200 P14 - 20	TXV S04 CH25 R	PB08A - 35
A-200 P14 - 21	GND	PB08A - 11
A-200 P14 - 22	TX 150D M S05 T	PB08A - 36
A-200 P14 - 23	TX 150D M S05 R	PB08A - 12
A-200 P14 - 24	TXV S05 CH21 T	PB08A - 37
A-200 P14 - 25	TXV S05 CH21 R	PB08A - 13
A-200 P14 - 26	TXV S05 CH22 T	PB08A - 38
A-200 P14 - 27	TXV S05 CH22 R	PB08A - 14
A-200 P14 - 28	GND	PB08A - 39
A-200 P14 - 29	TXV S05 CH23 T	PB08A - 15

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-200 P14 - 30	TXV S05 CH23 R	PB08A - 40
A-200 P14 - 31	TXV S05 CH24 T	PB08A - 16
A-200 P14 - 32	TXV S05 CH24 R	PB08A - 41
A-200 P14 - 33	TXV S05 CH25 T	PB08A - 17
A-200 P14 - 34	TXV S05 CH25 R	PB08A - 42
A-200 P14 - 35	GND	PB08A - 18
A-200 P14 - 36	n/c	PB08A - 43
A-200 P14 - 37	n/c	PB08A - 19
A-200 P14 - 38	n/c	PB08A - 44
A-200 P14 - 39	n/c	PB08A - 20
A-200 P14 - 40	n/c	PB08A - 45
A-200 P14 - 41	n/c	PB08A - 21
A-200 P14 - 42	GND	PB08A - 46
A-200 P14 - 43	n/c	PB08A - 22
A-200 P14 - 44	n/c	PB08A - 47
A-200 P14 - 45	n/c	PB08A - 23
A-200 P14 - 46	n/c	PB08A - 48
A-200 P14 - 47	n/c	PB08A - 24
A-200 P14 - 48	n/c	PB08A - 49
A-200 P14 - 49	n/c	PB08A - 25
A-200 P14 - 50	n/c	PB08A - 50
A-201 P6 - 01	TXV S06 CH01 T	PB09A - 01
A-201 P6 - 02	TXV S06 CH01 R	PB09A - 26
A-201 P6 - 03	TXV S06 CH02 T	PB09A - 02
A-201 P6 - 04	TXV S06 CH02 R	PB09A - 27
A-201 P6 - 05	TXV S06 CH03 T	PB09A - 03
A-201 P6 - 06	TXV S06 CH03 R	PB09A - 28
A-201 P6 - 07	TXV S06 CH04 T	PB09A - 04
A-201 P6 - 08	TXV S06 CH04 R	PB09A - 29
A-201 P6 - 09	TXV S06 CH05 T	PB09A - 05
A-201 P6 - 10	TXV S06 CH05 R	PB09A - 30
A-201 P6 - 11	TXV S06 CH06 T	PB09A - 06
A-201 P6 - 12	TXV S06 CH06 R	PB09A - 31
A-201 P6 - 13	TXV S06 CH07 T	PB09A - 07
A-201 P6 - 14	TXV S06 CH07 R	PB09A - 32
A-201 P6 - 15	TXV S06 CH08 T	PB09A - 08
A-201 P6 - 16	TXV S06 CH08 R	PB09A - 33
A-201 P6 - 17	TXV S06 CH09 T	PB09A - 09
A-201 P6 - 18	TXV S06 CH09 R	PB09A - 34
A-201 P6 - 19	TXV S06 CH10 T	PB09A - 10
A-201 P6 - 20	TXV S06 CH10 R	PB09A - 35
A-201 P6 - 21	TXV S06 CH11 T	PB09A - 11
A-201 P6 - 22	TXV S06 CH11 R	PB09A - 36
A-201 P6 - 23	TXV S06 CH12 T	PB09A - 12
A-201 P6 - 24	TXV S06 CH12 R	PB09A - 37
A-201 P6 - 25	TXV S06 CH13 T	PB09A - 13

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P6 - 26	TXV S06 CH13 R	PB09A - 38
A-201 P6 - 27	TXV S06 CH14 T	PB09A - 14
A-201 P6 - 28	TXV S06 CH14 R	PB09A - 39
A-201 P6 - 29	TXV S06 CH15 T	PB09A - 15
A-201 P6 - 30	TXV S06 CH15 R	PB09A - 40
A-201 P6 - 31	TXV S06 CH16 T	PB09A - 16
A-201 P6 - 32	TXV S06 CH16 R	PB09A - 41
A-201 P6 - 33	TXV S06 CH17 T	PB09A - 17
A-201 P6 - 34	TXV S06 CH17 R	PB09A - 42
A-201 P6 - 35	TXV S06 CH18 T	PB09A - 18
A-201 P6 - 36	TXV S06 CH18 R	PB09A - 43
A-201 P6 - 37	TXV S06 CH19 T	PB09A - 19
A-201 P6 - 38	TXV S06 CH19 R	PB09A - 44
A-201 P6 - 39	TXV S06 CH20 T	PB09A - 20
A-201 P6 - 40	TXV S06 CH20 R	PB09A - 45
A-201 P6 - 41	n/c	PB09A - 21
A-201 P6 - 42	n/c	PB09A - 46
A-201 P6 - 43	n/c	PB09A - 22
A-201 P6 - 44	n/c	PB09A - 47
A-201 P6 - 45	n/c	PB09A - 23
A-201 P6 - 46	n/c	PB09A - 48
A-201 P6 - 47	n/c	PB09A - 24
A-201 P6 - 48	n/c	PB09A - 49
A-201 P6 - 49	n/c	PB09A - 25
A-201 P6 - 50	n/c	PB09A - 50
A-201 P7 - 01	TXV S07 CH01 T	PB10A - 01
A-201 P7 - 02	TXV S07 CH01 R	PB10A - 26
A-201 P7 - 03	TXV S07 CH02 T	PB10A - 02
A-201 P7 - 04	TXV S07 CH02 R	PB10A - 27
A-201 P7 - 05	TXV S07 CH03 T	PB10A - 03
A-201 P7 - 06	TXV S07 CH03 R	PB10A - 28
A-201 P7 - 07	TXV S07 CH04 T	PB10A - 04
A-201 P7 - 08	TXV S07 CH04 R	PB10A - 29
A-201 P7 - 09	TXV S07 CH05 T	PB10A - 05
A-201 P7 - 10	TXV S07 CH05 R	PB10A - 30
A-201 P7 - 11	TXV S07 CH06 T	PB10A - 06
A-201 P7 - 12	TXV S07 CH06 R	PB10A - 31
A-201 P7 - 13	TXV S07 CH07 T	PB10A - 07
A-201 P7 - 14	TXV S07 CH07 R	PB10A - 32
A-201 P7 - 15	TXV S07 CH08 T	PB10A - 08
A-201 P7 - 16	TXV S07 CH08 R	PB10A - 33
A-201 P7 - 17	TXV S07 CH09 T	PB10A - 09
A-201 P7 - 18	TXV S07 CH09 R	PB10A - 34
A-201 P7 - 19	TXV S07 CH10 T	PB10A - 10
A-201 P7 - 20	TXV S07 CH10 R	PB10A - 35
A-201 P7 - 21	TXV S07 CH11 T	PB10A - 11

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P7 - 22	TXV S07 CH11 R	PB10A - 36
A-201 P7 - 23	TXV S07 CH12 T	PB10A - 12
A-201 P7 - 24	TXV S07 CH12 R	PB10A - 37
A-201 P7 - 25	TXV S07 CH13 T	PB10A - 13
A-201 P7 - 26	TXV S07 CH13 R	PB10A - 38
A-201 P7 - 27	TXV S07 CH14 T	PB10A - 14
A-201 P7 - 28	TXV S07 CH14 R	PB10A - 39
A-201 P7 - 29	TXV S07 CH15 T	PB10A - 15
A-201 P7 - 30	TXV S07 CH15 R	PB10A - 40
A-201 P7 - 31	TXV S07 CH16 T	PB10A - 16
A-201 P7 - 32	TXV S07 CH16 R	PB10A - 41
A-201 P7 - 33	TXV S07 CH17 T	PB10A - 17
A-201 P7 - 34	TXV S07 CH17 R	PB10A - 42
A-201 P7 - 35	TXV S07 CH18 T	PB10A - 18
A-201 P7 - 36	TXV S07 CH18 R	PB10A - 43
A-201 P7 - 37	TXV S07 CH19 T	PB10A - 19
A-201 P7 - 38	TXV S07 CH19 R	PB10A - 44
A-201 P7 - 39	TXV S07 CH20 T	PB10A - 20
A-201 P7 - 40	TXV S07 CH20 R	PB10A - 45
A-201 P7 - 41	n/c	PB10A - 21
A-201 P7 - 42	n/c	PB10A - 46
A-201 P7 - 43	n/c	PB10A - 22
A-201 P7 - 44	n/c	PB10A - 47
A-201 P7 - 45	n/c	PB10A - 23
A-201 P7 - 46	n/c	PB10A - 48
A-201 P7 - 47	n/c	PB10A - 24
A-201 P7 - 48	n/c	PB10A - 49
A-201 P7 - 49	n/c	PB10A - 25
A-201 P7 - 50	n/c	PB10A - 50
A-201 P8 - 01	TXV S08 CH01 T	PB11A - 01
A-201 P8 - 02	TXV S08 CH01 R	PB11A - 26
A-201 P8 - 03	TXV S08 CH02 T	PB11A - 02
A-201 P8 - 04	TXV S08 CH02 R	PB11A - 27
A-201 P8 - 05	TXV S08 CH03 T	PB11A - 03
A-201 P8 - 06	TXV S08 CH03 R	PB11A - 28
A-201 P8 - 07	TXV S08 CH04 T	PB11A - 04
A-201 P8 - 08	TXV S08 CH04 R	PB11A - 29
A-201 P8 - 09	TXV S08 CH05 T	PB11A - 05
A-201 P8 - 10	TXV S08 CH05 R	PB11A - 30
A-201 P8 - 11	TXV S08 CH06 T	PB11A - 06
A-201 P8 - 12	TXV S08 CH06 R	PB11A - 31
A-201 P8 - 13	TXV S08 CH07 T	PB11A - 07
A-201 P8 - 14	TXV S08 CH07 R	PB11A - 32
A-201 P8 - 15	TXV S08 CH08 T	PB11A - 08
A-201 P8 - 16	TXV S08 CH08 R	PB11A - 33
A-201 P8 - 17	TXV S08 CH09 T	PB11A - 09

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ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P8 - 18	TXV S08 CH09 R	PB11A - 34
A-201 P8 - 19	TXV S08 CH10 T	PB11A - 10
A-201 P8 - 20	TXV S08 CH10 R	PB11A - 35
A-201 P8 - 21	TXV S08 CH11 T	PB11A - 11
A-201 P8 - 22	TXV S08 CH11 R	PB11A - 36
A-201 P8 - 23	TXV S08 CH12 T	PB11A - 12
A-201 P8 - 24	TXV S08 CH12 R	PB11A - 37
A-201 P8 - 25	TXV S08 CH13 T	PB11A - 13
A-201 P8 - 26	TXV S08 CH13 R	PB11A - 38
A-201 P8 - 27	TXV S08 CH14 T	PB11A - 14
A-201 P8 - 28	TXV S08 CH14 R	PB11A - 39
A-201 P8 - 29	TXV S08 CH15 T	PB11A - 15
A-201 P8 - 30	TXV S08 CH15 R	PB11A - 40
A-201 P8 - 31	TXV S08 CH16 T	PB11A - 16
A-201 P8 - 32	TXV S08 CH16 R	PB11A - 41
A-201 P8 - 33	TXV S08 CH17 T	PB11A - 17
A-201 P8 - 34	TXV S08 CH17 R	PB11A - 42
A-201 P8 - 35	TXV S08 CH18 T	PB11A - 18
A-201 P8 - 36	TXV S08 CH18 R	PB11A - 43
A-201 P8 - 37	TXV S08 CH19 T	PB11A - 19
A-201 P8 - 38	TXV S08 CH19 R	PB11A - 44
A-201 P8 - 39	TXV S08 CH20 T	PB11A - 20
A-201 P8 - 40	TXV S08 CH20 R	PB11A - 45
A-201 P8 - 41	n/c	PB11A - 21
A-201 P8 - 42	n/c	PB11A - 46
A-201 P8 - 43	n/c	PB11A - 22
A-201 P8 - 44	n/c	PB11A - 47
A-201 P8 - 45	n/c	PB11A - 23
A-201 P8 - 46	n/c	PB11A - 48
A-201 P8 - 47	n/c	PB11A - 24
A-201 P8 - 48	n/c	PB11A - 49
A-201 P8 - 49	n/c	PB11A - 25
A-201 P8 - 50	n/c	PB11A - 50
A-201 P9 - 01	TXV S09 CH01 T	PB12A - 01
A-201 P9 - 02	TXV S09 CH01 R	PB12A - 26
A-201 P9 - 03	TXV S09 CH02 T	PB12A - 02
A-201 P9 - 04	TXV S09 CH02 R	PB12A - 27
A-201 P9 - 05	TXV S09 CH03 T	PB12A - 03
A-201 P9 - 06	TXV S09 CH03 R	PB12A - 28
A-201 P9 - 07	TXV S09 CH04 T	PB12A - 04
A-201 P9 - 08	TXV S09 CH04 R	PB12A - 29
A-201 P9 - 09	TXV S09 CH05 T	PB12A - 05
A-201 P9 - 10	TXV S09 CH05 R	PB12A - 30
A-201 P9 - 11	TXV S09 CH06 T	PB12A - 06
A-201 P9 - 12	TXV S09 CH06 R	PB12A - 31
A-201 P9 - 13	TXV S09 CH07 T	PB12A - 07

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P9 - 14	TXV S09 CH07 R	PB12A - 32
A-201 P9 - 15	TXV S09 CH08 T	PB12A - 08
A-201 P9 - 16	TXV S09 CH08 R	PB12A - 33
A-201 P9 - 17	TXV S09 CH09 T	PB12A - 09
A-201 P9 - 18	TXV S09 CH09 R	PB12A - 34
A-201 P9 - 19	TXV S09 CH10 T	PB12A - 10
A-201 P9 - 20	TXV S09 CH10 R	PB12A - 35
A-201 P9 - 21	TXV S09 CH11 T	PB12A - 11
A-201 P9 - 22	TXV S09 CH11 R	PB12A - 36
A-201 P9 - 23	TXV S09 CH12 T	PB12A - 12
A-201 P9 - 24	TXV S09 CH12 R	PB12A - 37
A-201 P9 - 25	TXV S09 CH13 T	PB12A - 13
A-201 P9 - 26	TXV S09 CH13 R	PB12A - 38
A-201 P9 - 27	TXV S09 CH14 T	PB12A - 14
A-201 P9 - 28	TXV S09 CH14 R	PB12A - 39
A-201 P9 - 29	TXV S09 CH15 T	PB12A - 15
A-201 P9 - 30	TXV S09 CH15 R	PB12A - 40
A-201 P9 - 31	TXV S09 CH16 T	PB12A - 16
A-201 P9 - 32	TXV S09 CH16 R	PB12A - 41
A-201 P9 - 33	TXV S09 CH17 T	PB12A - 17
A-201 P9 - 34	TXV S09 CH17 R	PB12A - 42
A-201 P9 - 35	TXV S09 CH18 T	PB12A - 18
A-201 P9 - 36	TXV S09 CH18 R	PB12A - 43
A-201 P9 - 37	TXV S09 CH19 T	PB12A - 19
A-201 P9 - 38	TXV S09 CH19 R	PB12A - 44
A-201 P9 - 39	TXV S09 CH20 T	PB12A - 20
A-201 P9 - 40	TXV S09 CH20 R	PB12A - 45
A-201 P9 - 41	n/c	PB12A - 21
A-201 P9 - 42	n/c	PB12A - 46
A-201 P9 - 43	n/c	PB12A - 22
A-201 P9 - 44	n/c	PB12A - 47
A-201 P9 - 45	n/c	PB12A - 23
A-201 P9 - 46	n/c	PB12A - 48
A-201 P9 - 47	n/c	PB12A - 24
A-201 P9 - 48	n/c	PB12A - 49
A-201 P9 - 49	n/c	PB12A - 25
A-201 P9 - 50	n/c	PB12A - 50
A-201 P10 - 01	TXV S10 CH01 T	PB13A - 01
A-201 P10 - 02	TXV S10 CH01 R	PB13A - 26
A-201 P10 - 03	TXV S10 CH02 T	PB13A - 02
A-201 P10 - 04	TXV S10 CH02 R	PB13A - 27
A-201 P10 - 05	TXV S10 CH03 T	PB13A - 03
A-201 P10 - 06	TXV S10 CH03 R	PB13A - 28
A-201 P10 - 07	TXV S10 CH04 T	PB13A - 04
A-201 P10 - 08	TXV S10 CH04 R	PB13A - 29
A-201 P10 - 09	TXV S10 CH05 T	PB13A - 05

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P10 - 10	TXV S10 CH05 R	PB13A - 30
A-201 P10 - 11	TXV S10 CH06 T	PB13A - 06
A-201 P10 - 12	TXV S10 CH06 R	PB13A - 31
A-201 P10 - 13	TXV S10 CH07 T	PB13A - 07
A-201 P10 - 14	TXV S10 CH07 R	PB13A - 32
A-201 P10 - 15	TXV S10 CH08 T	PB13A - 08
A-201 P10 - 16	TXV S10 CH08 R	PB13A - 33
A-201 P10 - 17	TXV S10 CH09 T	PB13A - 09
A-201 P10 - 18	TXV S10 CH09 R	PB13A - 34
A-201 P10 - 19	TXV S10 CH10 T	PB13A - 10
A-201 P10 - 20	TXV S10 CH10 R	PB13A - 35
A-201 P10 - 21	TXV S10 CH11 T	PB13A - 11
A-201 P10 - 22	TXV S10 CH11 R	PB13A - 36
A-201 P10 - 23	TXV S10 CH12 T	PB13A - 12
A-201 P10 - 24	TXV S10 CH12 R	PB13A - 37
A-201 P10 - 25	TXV S10 CH13 T	PB13A - 13
A-201 P10 - 26	TXV S10 CH13 R	PB13A - 38
A-201 P10 - 27	TXV S10 CH14 T	PB13A - 14
A-201 P10 - 28	TXV S10 CH14 R	PB13A - 39
A-201 P10 - 29	TXV S10 CH15 T	PB13A - 15
A-201 P10 - 30	TXV S10 CH15 R	PB13A - 40
A-201 P10 - 31	TXV S10 CH16 T	PB13A - 16
A-201 P10 - 32	TXV S10 CH16 R	PB13A - 41
A-201 P10 - 33	TXV S10 CH17 T	PB13A - 17
A-201 P10 - 34	TXV S10 CH17 R	PB13A - 42
A-201 P10 - 35	TXV S10 CH18 T	PB13A - 18
A-201 P10 - 36	TXV S10 CH18 R	PB13A - 43
A-201 P10 - 37	TXV S10 CH19 T	PB13A - 19
A-201 P10 - 38	TXV S10 CH19 R	PB13A - 44
A-201 P10 - 39	TXV S10 CH20 T	PB13A - 20
A-201 P10 - 40	TXV S10 CH20 R	PB13A - 45
A-201 P10 - 41	n/c	PB13A - 21
A-201 P10 - 42	n/c	PB13A - 46
A-201 P10 - 43	n/c	PB13A - 22
A-201 P10 - 44	n/c	PB13A - 47
A-201 P10 - 45	n/c	PB13A - 23
A-201 P10 - 46	n/c	PB13A - 48
A-201 P10 - 47	n/c	PB13A - 24
A-201 P10 - 48	n/c	PB13A - 49
A-201 P10 - 49	n/c	PB13A - 25
A-201 P10 - 50	n/c	PB13A - 50
A-201 P13 - 01	TX 150D M S06 T	PB14A - 01
A-201 P13 - 02	TX 150D M S06 R	PB14A - 26
A-201 P13 - 03	TXV S06 CH21 T	PB14A - 02
A-201 P13 - 04	TXV S06 CH21 R	PB14A - 27
A-201 P13 - 05	TXV S06 CH22 T	PB14A - 03

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P13 - 06	TXV S06 CH22 R	PB14A - 28
A-201 P13 - 07	GND	PB14A - 04
A-201 P13 - 08	TXV S06 CH23 T	PB14A - 29
A-201 P13 - 09	TXV S06 CH23 R	PB14A - 05
A-201 P13 - 10	TXV S06 CH24 T	PB14A - 30
A-201 P13 - 11	TXV S06 CH24 R	PB14A - 06
A-201 P13 - 12	TXV S06 CH25 T	PB14A - 31
A-201 P13 - 13	TXV S06 CH25 R	PB14A - 07
A-201 P13 - 14	GND	PB14A - 32
A-201 P13 - 15	TX 150D M S07 T	PB14A - 08
A-201 P13 - 16	TX 150D M S07 R	PB14A - 33
A-201 P13 - 17	TXV S07 CH21 T	PB14A - 09
A-201 P13 - 18	TXV S07 CH21 R	PB14A - 34
A-201 P13 - 19	TXV S07 CH22 T	PB14A - 10
A-201 P13 - 20	TXV S07 CH22 R	PB14A - 35
A-201 P13 - 21	GND	PB14A - 11
A-201 P13 - 22	TXV S07 CH23 T	PB14A - 36
A-201 P13 - 23	TXV S07 CH23 R	PB14A - 12
A-201 P13 - 24	TXV S07 CH24 T	PB14A - 37
A-201 P13 - 25	TXV S07 CH24 R	PB14A - 13
A-201 P13 - 26	TXV S07 CH25 T	PB14A - 38
A-201 P13 - 27	TXV S07 CH25 R	PB14A - 14
A-201 P13 - 28	GND	PB14A - 39
A-201 P13 - 29	TX 150D M S08 T	PB14A - 15
A-201 P13 - 30	TX 150D M S08 R	PB14A - 40
A-201 P13 - 31	TXV S08 CH21 T	PB14A - 16
A-201 P13 - 32	TXV S08 CH21 R	PB14A - 41
A-201 P13 - 33	TXV S08 CH22 T	PB14A - 17
A-201 P13 - 34	TXV S08 CH22 R	PB14A - 42
A-201 P13 - 35	GND	PB14A - 18
A-201 P13 - 36	n/c	PB14A - 43
A-201 P13 - 37	n/c	PB14A - 19
A-201 P13 - 38	n/c	PB14A - 44
A-201 P13 - 39	n/c	PB14A - 20
A-201 P13 - 40	n/c	PB14A - 45
A-201 P13 - 41	n/c	PB14A - 21
A-201 P13 - 42	GND	PB14A - 46
A-201 P13 - 43	n/c	PB14A - 22
A-201 P13 - 44	n/c	PB14A - 47
A-201 P13 - 45	n/c	PB14A - 23
A-201 P13 - 46	n/c	PB14A - 48
A-201 P13 - 47	n/c	PB14A - 24
A-201 P13 - 48	n/c	PB14A - 49
A-201 P13 - 49	n/c	PB14A - 25
A-201 P13 - 50	n/c	PB14A - 50
A-201 P14 - 01	TXV S08 CH23 T	PB15A - 01

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ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P14 - 02	TXV S08 CH23 R	PB15A - 26
A-201 P14 - 03	TXV S08 CH24 T	PB15A - 02
A-201 P14 - 04	TXV S08 CH24 R	PB15A - 27
A-201 P14 - 05	TXV S08 CH25 T	PB15A - 03
A-201 P14 - 06	TXV S08 CH25 R	PB15A - 28
A-201 P14 - 07	GND	PB15A - 04
A-201 P14 - 08	TX 150D M S09 T	PB15A - 29
A-201 P14 - 09	TX 150D M S09 R	PB15A - 05
A-201 P14 - 10	TXV S09 CH21 T	PB15A - 30
A-201 P14 - 11	TXV S09 CH21 R	PB15A - 06
A-201 P14 - 12	TXV S09 CH22 T	PB15A - 31
A-201 P14 - 13	TXV S09 CH22 R	PB15A - 07
A-201 P14 - 14	GND	PB15A - 32
A-201 P14 - 15	TXV S09 CH23 T	PB15A - 08
A-201 P14 - 16	TXV S09 CH23 R	PB15A - 33
A-201 P14 - 17	TXV S09 CH24 T	PB15A - 09
A-201 P14 - 18	TXV S09 CH24 R	PB15A - 34
A-201 P14 - 19	TXV S09 CH25 T	PB15A - 10
A-201 P14 - 20	TXV S09 CH25 R	PB15A - 35
A-201 P14 - 21	GND	PB15A - 11
A-201 P14 - 22	TX 150D M S10 T	PB15A - 36
A-201 P14 - 23	TX 150D M S10 R	PB15A - 12
A-201 P14 - 24	TXV S10 CH21 T	PB15A - 37
A-201 P14 - 25	TXV S10 CH21 R	PB15A - 13
A-201 P14 - 26	TXV S10 CH22 T	PB15A - 38
A-201 P14 - 27	TXV S10 CH22 R	PB15A - 14
A-201 P14 - 28	GND	PB15A - 39
A-201 P14 - 29	TXV S10 CH23 T	PB15A - 15
A-201 P14 - 30	TXV S10 CH23 R	PB15A - 40
A-201 P14 - 31	TXV S10 CH24 T	PB15A - 16
A-201 P14 - 32	TXV S10 CH24 R	PB15A - 41
A-201 P14 - 33	TXV S10 CH25 T	PB15A - 17
A-201 P14 - 34	TXV S10 CH25 R	PB15A - 42
A-201 P14 - 35	GND	PB15A - 18
A-201 P14 - 36	n/c	PB15A - 43
A-201 P14 - 37	n/c	PB15A - 19
A-201 P14 - 38	n/c	PB15A - 44
A-201 P14 - 39	n/c	PB15A - 20
A-201 P14 - 40	n/c	PB15A - 45
A-201 P14 - 41	n/c	PB15A - 21
A-201 P14 - 42	GND	PB15A - 46
A-201 P14 - 43	n/c	PB15A - 22
A-201 P14 - 44	n/c	PB15A - 47
A-201 P14 - 45	n/c	PB15A - 23
A-201 P14 - 46	n/c	PB15A - 48
A-201 P14 - 47	n/c	PB15A - 24

ANALOG DELAY BACKPLANE		
FROM	FUNCTION	PUNCH BLOCK
A-201 P14 - 48	n/c	PB15A - 49
A-201 P14 - 49	n/c	PB15A - 25
A-201 P14 - 50	n/c	PB15A - 50

FUNCTION LIST

ANALOG DELAY BACK PLANE / FUNCTION LIST REV. __	
+5IN	F01(01),F01(02),TB1(01),TB1(02),TB1(03) ,TB1(04);
+5V	D01(01),F01(03),F01(04),J01A(01), J01C(01),J01A(32),J01C(32),J02A(01), J02C(01),J02A(32),J02C(32),J03A(01), J03C(01),J03A(32),J03C(32),J04A(01), J04C(01),J04A(32),J04C(32),J05A(01), J05C(01),J05A(32),J05C(32),J06A(01), J06C(01),J06A(32),J06C(32),J07A(01), J07C(01),J07A(32),J07C(32),J08A(01), J08C(01),J08A(32),J08C(32),J09A(01), J09C(01),J09A(32),J09C(32),J10A(01), J10C(01),J10A(32),J10C(32),J11A(01), J11C(01),J11A(32),J11C(32),J12A(01), J12C(01),J12A(32),J12C(32),J13A(01), J13C(01),J13A(32),J13C(32),J14A(01), J14C(01),J14A(32),J14C(32),J15A(01), J15C(01),J15A(32),J15C(32),J16A(01), J16C(01),J16A(32),J16C(32),J17A(01), J17C(01),J17A(32),J17C(32),J18A(01), J18C(01),J18A(32),J18C(32),J19A(01), J19C(01),J19A(32),J19C(32),J20A(01), J20C(01),J20A(32),J20C(32);
BSEL-01	J01A(23),P11(28);
BSEL-02	J02A(23),P11(44);
BSEL-03	J03A(23),P11(36);
BSEL-04	J04A(23),P11(20);
BSEL-05	J05A(23),P11(12);
BSEL-06	J06A(23),P12(28);
BSEL-07	J07A(23),P12(44);
BSEL-08	J08A(23),P12(36);
BSEL-09	J09A(23),P12(20);
BSEL-10	J10A(23),P12(12);
GND	BD1(01),BD1(02),BD1(03),BD1(04), BD1(05),BD1(06),BD1(07),BD1(08),BD1(09),

	BD1(10),BD1(11),BD1(12),BD1(13),BD1(14), BD1(15),BD1(16),BD1(17),BD1(18),BD1(19), BD1(20),BD1(21),BD1(22),BD1(23),BD1(24), BD1(25),BD1(26),BD1(27),BD1(28),BD1(29), BD1(30),BD1(31),BD1(32),BD1(33),BD1(34), BD1(35),BD1(36),BD1(37),BD1(38),BD1(39), BD1(40),D01(02),J01A(02),J01C(02), J01A(31),J01C(31),J02A(02),J02C(02), J02A(31),J02C(31),J03A(02),J03C(02), J03A(31),J03C(31),J04A(02),J04C(02), J04A(31),J04C(31),J05A(02),J05C(02), J05A(31),J05C(31),J06A(02),J06C(02), J06A(31),J06C(31),J07A(02),J07C(02), J07A(31),J07C(31),J08A(02),J08C(02), J08A(31),J08C(31),J09A(02),J09C(02), J09A(31),J09C(31),J10A(02),J10C(02), J10A(31),J10C(31),J11A(02),J11C(02), J11A(31),J11C(31),J12A(02),J12C(02), J12A(31),J12C(31),J13A(02),J13C(02), J13A(31),J13C(31),J14A(02),J14C(02), J14A(31),J14C(31),J15A(02),J15C(02), J15A(31),J15C(31),J16A(02),J16C(02), J16A(31),J16C(31),J17A(02),J17C(02), J17A(31),J17C(31),J18A(02),J18C(02), J18A(31),J18C(31),J19A(02),J19C(02), J19A(31),J19C(31),J20A(02),J20C(02), J20A(31),J20C(31),P11(11),P11(19), P11(27),P11(35),P11(43),P12(11),P12(19), P12(27),P12(35),P12(43),P13(07),P13(14), P13(21),P13(28),P13(35),P14(07),P14(14), P14(21),P14(28),P14(35),TB1(05),TB1(06), TB1(09),TB1(12);
IN01+01	J01A(03),P01(01);
IN01+02	J02A(03),P01(03);
IN01+03	J03A(03),P02(01);
IN01+04	J04A(03),P02(03);
IN01+05	J05A(03),P03(01);
IN01+06	J06A(03),P03(03);
IN01+07	J07A(03),P04(01);

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IN01+08	J08A(03),P04(03);
IN01+09	J09A(03),P05(01);
IN01+10	J10A(03),P05(03);
IN01-01	J01C(03),P01(02);
IN01-02	J02C(03),P01(04);
IN01-03	J03C(03),P02(02);
IN01-04	J04C(03),P02(04);
IN01-05	J05C(03),P03(02);
IN01-06	J06C(03),P03(04);
IN01-07	J07C(03),P04(02);
IN01-08	J08C(03),P04(04);
IN01-09	J09C(03),P05(02);
IN01-10	J10C(03),P05(04);
IN02+01	J01A(05),P01(05);
IN02+02	J02A(05),P01(07);
IN02+03	J03A(05),P02(05);
IN02+04	J04A(05),P02(07);
IN02+05	J05A(05),P03(05);
IN02+06	J06A(05),P03(07);
IN02+07	J07A(05),P04(05);
IN02+08	J08A(05),P04(07);
IN02+09	J09A(05),P05(05);
IN02+10	J10A(05),P05(07);
IN02-01	J01C(05),P01(06);
IN02-02	J02C(05),P01(08);
IN02-03	J03C(05),P02(06);

IN02-04	J04C(05),P02(08);
IN02-05	J05C(05),P03(06);
IN02-06	J06C(05),P03(08);
IN02-07	J07C(05),P04(06);
IN02-08	J08C(05),P04(08);
IN02-09	J09C(05),P05(06);
IN02-10	J10C(05),P05(08);
IN03+01	J01A(07),P01(09);
IN03+02	J02A(07),P01(11);
IN03+03	J03A(07),P02(09);
IN03+04	J04A(07),P02(11);
IN03+05	J05A(07),P03(09);
IN03+06	J06A(07),P03(11);
IN03+07	J07A(07),P04(09);
IN03+08	J08A(07),P04(11);
IN03+09	J09A(07),P05(09);
IN03+10	J10A(07),P05(11);
IN03-01	J01C(07),P01(10);
IN03-02	J02C(07),P01(12);
IN03-03	J03C(07),P02(10);
IN03-04	J04C(07),P02(12);
IN03-05	J05C(07),P03(10);
IN03-06	J06C(07),P03(12);
IN03-07	J07C(07),P04(10);
IN03-08	J08C(07),P04(12);
IN03-09	J09C(07),P05(10);

IN03-10	J10C(07),P05(12);
IN04+01	J01A(09),P01(13);
IN04+02	J02A(09),P01(15);
IN04+03	J03A(09),P02(13);
IN04+04	J04A(09),P02(15);
IN04+05	J05A(09),P03(13);
IN04+06	J06A(09),P03(15);
IN04+07	J07A(09),P04(13);
IN04+08	J08A(09),P04(15);
IN04+09	J09A(09),P05(13);
IN04+10	J10A(09),P05(15);
IN04-01	J01C(09),P01(14);
IN04-02	J02C(09),P01(16);
IN04-03	J03C(09),P02(14);
IN04-04	J04C(09),P02(16);
IN04-05	J05C(09),P03(14);
IN04-06	J06C(09),P03(16);
IN04-07	J07C(09),P04(14);
IN04-08	J08C(09),P04(16);
IN04-09	J09C(09),P05(14);
IN04-10	J10C(09),P05(16);
IN05+01	J01A(11),P01(17);
IN05+02	J02A(11),P01(19);
IN05+03	J03A(11),P02(17);
IN05+04	J04A(11),P02(19);
IN05+05	J05A(11),P03(17);

IN05+06	J06A(11),P03(19);
IN05+07	J07A(11),P04(17);
IN05+08	J08A(11),P04(19);
IN05+09	J09A(11),P05(17);
IN05+10	J10A(11),P05(19);
IN05-01	J01C(11),P01(18);
IN05-02	J02C(11),P01(20);
IN05-03	J03C(11),P02(18);
IN05-04	J04C(11),P02(20);
IN05-05	J05C(11),P03(18);
IN05-06	J06C(11),P03(20);
IN05-07	J07C(11),P04(18);
IN05-08	J08C(11),P04(20);
IN05-09	J09C(11),P05(18);
IN05-10	J10C(11),P05(20);
IN06+01	J01A(13),P01(21);
IN06+02	J02A(13),P01(23);
IN06+03	J03A(13),P02(21);
IN06+04	J04A(13),P02(23);
IN06+05	J05A(13),P03(21);
IN06+06	J06A(13),P03(23);
IN06+07	J07A(13),P04(21);
IN06+08	J08A(13),P04(23);
IN06+09	J09A(13),P05(21);
IN06+10	J10A(13),P05(23);
IN06-01	J01C(13),P01(22);

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IN06-02	J02C(13),P01(24);
IN06-03	J03C(13),P02(22);
IN06-04	J04C(13),P02(24);
IN06-05	J05C(13),P03(22);
IN06-06	J06C(13),P03(24);
IN06-07	J07C(13),P04(22);
IN06-08	J08C(13),P04(24);
IN06-09	J09C(13),P05(22);
IN06-10	J10C(13),P05(24);
IN07+01	J01A(15),P01(25);
IN07+02	J02A(15),P01(27);
IN07+03	J03A(15),P02(25);
IN07+04	J04A(15),P02(27);
IN07+05	J05A(15),P03(25);
IN07+06	J06A(15),P03(27);
IN07+07	J07A(15),P04(25);
IN07+08	J08A(15),P04(27);
IN07+09	J09A(15),P05(25);
IN07+10	J10A(15),P05(27);
IN07-01	J01C(15),P01(26);
IN07-02	J02C(15),P01(28);
IN07-03	J03C(15),P02(26);
IN07-04	J04C(15),P02(28);
IN07-05	J05C(15),P03(26);
IN07-06	J06C(15),P03(28);
IN07-07	J07C(15),P04(26);

IN07-08	J08C(15),P04(28);
IN07-09	J09C(15),P05(26);
IN07-10	J10C(15),P05(28);
IN08+01	J01A(17),P01(29);
IN08+02	J02A(17),P01(31);
IN08+03	J03A(17),P02(29);
IN08+04	J04A(17),P02(31);
IN08+05	J05A(17),P03(29);
IN08+06	J06A(17),P03(31);
IN08+07	J07A(17),P04(29);
IN08+08	J08A(17),P04(31);
IN08+09	J09A(17),P05(29);
IN08+10	J10A(17),P05(31);
IN08-01	J01C(17),P01(30);
IN08-02	J02C(17),P01(32);
IN08-03	J03C(17),P02(30);
IN08-04	J04C(17),P02(32);
IN08-05	J05C(17),P03(30);
IN08-06	J06C(17),P03(32);
IN08-07	J07C(17),P04(30);
IN08-08	J08C(17),P04(32);
IN08-09	J09C(17),P05(30);
IN08-10	J10C(17),P05(32);
IN09+01	J01A(19),P01(33);
IN09+02	J02A(19),P01(35);
IN09+03	J03A(19),P02(33);

IN09+04	J04A(19),P02(35);
IN09+05	J05A(19),P03(33);
IN09+06	J06A(19),P03(35);
IN09+07	J07A(19),P04(33);
IN09+08	J08A(19),P04(35);
IN09+09	J09A(19),P05(33);
IN09+10	J10A(19),P05(35);
IN09-01	J01C(19),P01(34);
IN09-02	J02C(19),P01(36);
IN09-03	J03C(19),P02(34);
IN09-04	J04C(19),P02(36);
IN09-05	J05C(19),P03(34);
IN09-06	J06C(19),P03(36);
IN09-07	J07C(19),P04(34);
IN09-08	J08C(19),P04(36);
IN09-09	J09C(19),P05(34);
IN09-10	J10C(19),P05(36);
IN10+01	J01A(21),P01(37);
IN10+02	J02A(21),P01(39);
IN10+03	J03A(21),P02(37);
IN10+04	J04A(21),P02(39);
IN10+05	J05A(21),P03(37);
IN10+06	J06A(21),P03(39);
IN10+07	J07A(21),P04(37);
IN10+08	J08A(21),P04(39);
IN10+09	J09A(21),P05(37);

IN10+10	J10A(21),P05(39);
IN10-01	J01C(21),P01(38);
IN10-02	J02C(21),P01(40);
IN10-03	J03C(21),P02(38);
IN10-04	J04C(21),P02(40);
IN10-05	J05C(21),P03(38);
IN10-06	J06C(21),P03(40);
IN10-07	J07C(21),P04(38);
IN10-08	J08C(21),P04(40);
IN10-09	J09C(21),P05(38);
IN10-10	J10C(21),P05(40);
IN11+01	J01A(24),P11(29);
IN11+02	J02A(24),P11(45);
IN11+03	J03A(24),P11(37);
IN11+04	J04A(24),P11(21);
IN11+05	J05A(24),P11(13);
IN11+06	J06A(24),P12(29);
IN11+07	J07A(24),P12(45);
IN11+08	J08A(24),P12(37);
IN11+09	J09A(24),P12(21);
IN11+10	J10A(24),P12(13);
IN11-01	J01C(24),P11(30);
IN11-02	J02C(24),P11(46);
IN11-03	J03C(24),P11(38);
IN11-04	J04C(24),P11(22);
IN11-05	J05C(24),P11(14);

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IN11-06	J06C(24),P12(30);
IN11-07	J07C(24),P12(46);
IN11-08	J08C(24),P12(38);
IN11-09	J09C(24),P12(22);
IN11-10	J10C(24),P12(14);
IN12+01	J01A(26),P11(31);
IN12+02	J02A(26),P11(47);
IN12+03	J03A(26),P11(39);
IN12+04	J04A(26),P11(23);
IN12+05	J05A(26),P11(15);
IN12+06	J06A(26),P12(31);
IN12+07	J07A(26),P12(47);
IN12+08	J08A(26),P12(39);
IN12+09	J09A(26),P12(23);
IN12+10	J10A(26),P12(15);
IN12-01	J01C(26),P11(32);
IN12-02	J02C(26),P11(48);
IN12-03	J03C(26),P11(40);
IN12-04	J04C(26),P11(24);
IN12-05	J05C(26),P11(16);
IN12-06	J06C(26),P12(32);
IN12-07	J07C(26),P12(48);
IN12-08	J08C(26),P12(40);
IN12-09	J09C(26),P12(24);
IN12-10	J10C(26),P12(16);
IN13+01	J01A(28),P11(33);

IN13+02	J02A(28),P11(49);
IN13+03	J03A(28),P11(41);
IN13+04	J04A(28),P11(25);
IN13+05	J05A(28),P11(17);
IN13+06	J06A(28),P12(33);
IN13+07	J07A(28),P12(49);
IN13+08	J08A(28),P12(41);
IN13+09	J09A(28),P12(25);
IN13+10	J10A(28),P12(17);
IN13-01	J01C(28),P11(34);
IN13-02	J02C(28),P11(50);
IN13-03	J03C(28),P11(42);
IN13-04	J04C(28),P11(26);
IN13-05	J05C(28),P11(18);
IN13-06	J06C(28),P12(34);
IN13-07	J07C(28),P12(50);
IN13-08	J08C(28),P12(42);
IN13-09	J09C(28),P12(26);
IN13-10	J10C(28),P12(18);
OUT01+01	J11A(03),P06(01);
OUT01+02	J12A(03),P06(21);
OUT01+03	J13A(03),P07(01);
OUT01+04	J14A(03),P07(21);
OUT01+05	J15A(03),P08(01);
OUT01+06	J16A(03),P08(21);
OUT01+07	J17A(03),P09(01);

OUT01+08	J18A(03),P09(21);
OUT01+09	J19A(03),P10(01);
OUT01+10	J20A(03),P10(21);
OUT01-01	J11C(03),P06(02);
OUT01-02	J12C(03),P06(22);
OUT01-03	J13C(03),P07(02);
OUT01-04	J14C(03),P07(22);
OUT01-05	J15C(03),P08(02);
OUT01-06	J16C(03),P08(22);
OUT01-07	J17C(03),P09(02);
OUT01-08	J18C(03),P09(22);
OUT01-09	J19C(03),P10(02);
OUT01-10	J20C(03),P10(22);
OUT02+01	J11A(05),P06(03);
OUT02+02	J12A(05),P06(23);
OUT02+03	J13A(05),P07(03);
OUT02+04	J14A(05),P07(23);
OUT02+05	J15A(05),P08(03);
OUT02+06	J16A(05),P08(23);
OUT02+07	J17A(05),P09(03);
OUT02+08	J18A(05),P09(23);
OUT02+09	J19A(05),P10(03);
OUT02+10	J20A(05),P10(23);
OUT02-01	J11C(05),P06(04);
OUT02-02	J12C(05),P06(24);
OUT02-03	J13C(05),P07(04);

OUT02-04	J14C(05),P07(24);
OUT02-05	J15C(05),P08(04);
OUT02-06	J16C(05),P08(24);
OUT02-07	J17C(05),P09(04);
OUT02-08	J18C(05),P09(24);
OUT02-09	J19C(05),P10(04);
OUT02-10	J20C(05),P10(24);
OUT03+01	J11A(07),P06(05);
OUT03+02	J12A(07),P06(25);
OUT03+03	J13A(07),P07(05);
OUT03+04	J14A(07),P07(25);
OUT03+05	J15A(07),P08(05);
OUT03+06	J16A(07),P08(25);
OUT03+07	J17A(07),P09(05);
OUT03+08	J18A(07),P09(25);
OUT03+09	J19A(07),P10(05);
OUT03+10	J20A(07),P10(25);
OUT03-01	J11C(07),P06(06);
OUT03-02	J12C(07),P06(26);
OUT03-03	J13C(07),P07(06);
OUT03-04	J14C(07),P07(26);
OUT03-05	J15C(07),P08(06);
OUT03-06	J16C(07),P08(26);
OUT03-07	J17C(07),P09(06);
OUT03-08	J18C(07),P09(26);
OUT03-09	J19C(07),P10(06);

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OUT03-10	J20C(07),P10(26);
OUT04+01	J11A(09),P06(07);
OUT04+02	J12A(09),P06(27);
OUT04+03	J13A(09),P07(07);
OUT04+04	J14A(09),P07(27);
OUT04+05	J15A(09),P08(07);
OUT04+06	J16A(09),P08(27);
OUT04+07	J17A(09),P09(07);
OUT04+08	J18A(09),P09(27);
OUT04+09	J19A(09),P10(07);
OUT04+10	J20A(09),P10(27);
OUT04-01	J11C(09),P06(08);
OUT04-02	J12C(09),P06(28);
OUT04-03	J13C(09),P07(08);
OUT04-04	J14C(09),P07(28);
OUT04-05	J15C(09),P08(08);
OUT04-06	J16C(09),P08(28);
OUT04-07	J17C(09),P09(08);
OUT04-08	J18C(09),P09(28);
OUT04-09	J19C(09),P10(08);
OUT04-10	J20C(09),P10(28);
OUT05+01	J11A(11),P06(09);
OUT05+02	J12A(11),P06(29);
OUT05+03	J13A(11),P07(09);
OUT05+04	J14A(11),P07(29);
OUT05+05	J15A(11),P08(09);

OUT05+06	J16A(11),P08(29);
OUT05+07	J17A(11),P09(09);
OUT05+08	J18A(11),P09(29);
OUT05+09	J19A(11),P10(09);
OUT05+10	J20A(11),P10(29);
OUT05-01	J11C(11),P06(10);
OUT05-02	J12C(11),P06(30);
OUT05-03	J13C(11),P07(10);
OUT05-04	J14C(11),P07(30);
OUT05-05	J15C(11),P08(10);
OUT05-06	J16C(11),P08(30);
OUT05-07	J17C(11),P09(10);
OUT05-08	J18C(11),P09(30);
OUT05-09	J19C(11),P10(10);
OUT05-10	J20C(11),P10(30);
OUT06+01	J11A(13),P06(11);
OUT06+02	J12A(13),P06(31);
OUT06+03	J13A(13),P07(11);
OUT06+04	J14A(13),P07(31);
OUT06+05	J15A(13),P08(11);
OUT06+06	J16A(13),P08(31);
OUT06+07	J17A(13),P09(11);
OUT06+08	J18A(13),P09(31);
OUT06+09	J19A(13),P10(11);
OUT06+10	J20A(13),P10(31);
OUT06-01	J11C(13),P06(12);

OUT06-02	J12C(13),P06(32);
OUT06-03	J13C(13),P07(12);
OUT06-04	J14C(13),P07(32);
OUT06-05	J15C(13),P08(12);
OUT06-06	J16C(13),P08(32);
OUT06-07	J17C(13),P09(12);
OUT06-08	J18C(13),P09(32);
OUT06-09	J19C(13),P10(12);
OUT06-10	J20C(13),P10(32);
OUT07+01	J11A(15),P06(13);
OUT07+02	J12A(15),P06(33);
OUT07+03	J13A(15),P07(13);
OUT07+04	J14A(15),P07(33);
OUT07+05	J15A(15),P08(13);
OUT07+06	J16A(15),P08(33);
OUT07+07	J17A(15),P09(13);
OUT07+08	J18A(15),P09(33);
OUT07+09	J19A(15),P10(13);
OUT07+10	J20A(15),P10(33);
OUT07-01	J11C(15),P06(14);
OUT07-02	J12C(15),P06(34);
OUT07-03	J13C(15),P07(14);
OUT07-04	J14C(15),P07(34);
OUT07-05	J15C(15),P08(14);
OUT07-06	J16C(15),P08(34);
OUT07-07	J17C(15),P09(14);

OUT07-08	J18C(15),P09(34);
OUT07-09	J19C(15),P10(14);
OUT07-10	J20C(15),P10(34);
OUT08+01	J11A(17),P06(15);
OUT08+02	J12A(17),P06(35);
OUT08+03	J13A(17),P07(15);
OUT08+04	J14A(17),P07(35);
OUT08+05	J15A(17),P08(15);
OUT08+06	J16A(17),P08(35);
OUT08+07	J17A(17),P09(15);
OUT08+08	J18A(17),P09(35);
OUT08+09	J19A(17),P10(15);
OUT08+10	J20A(17),P10(35);
OUT08-01	J11C(17),P06(16);
OUT08-02	J12C(17),P06(36);
OUT08-03	J13C(17),P07(16);
OUT08-04	J14C(17),P07(36);
OUT08-05	J15C(17),P08(16);
OUT08-06	J16C(17),P08(36);
OUT08-07	J17C(17),P09(16);
OUT08-08	J18C(17),P09(36);
OUT08-09	J19C(17),P10(16);
OUT08-10	J20C(17),P10(36);
OUT09+01	J11A(19),P06(17);
OUT09+02	J12A(19),P06(37);
OUT09+03	J13A(19),P07(17);

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OUT09+04	J14A(19),P07(37);
OUT09+05	J15A(19),P08(17);
OUT09+06	J16A(19),P08(37);
OUT09+07	J17A(19),P09(17);
OUT09+08	J18A(19),P09(37);
OUT09+09	J19A(19),P10(17);
OUT09+10	J20A(19),P10(37);
OUT09-01	J11C(19),P06(18);
OUT09-02	J12C(19),P06(38);
OUT09-03	J13C(19),P07(18);
OUT09-04	J14C(19),P07(38);
OUT09-05	J15C(19),P08(18);
OUT09-06	J16C(19),P08(38);
OUT09-07	J17C(19),P09(18);
OUT09-08	J18C(19),P09(38);
OUT09-09	J19C(19),P10(18);
OUT09-10	J20C(19),P10(38);
OUT10+01	J11A(21),P06(19);
OUT10+02	J12A(21),P06(39);
OUT10+03	J13A(21),P07(19);
OUT10+04	J14A(21),P07(39);
OUT10+05	J15A(21),P08(19);
OUT10+06	J16A(21),P08(39);
OUT10+07	J17A(21),P09(19);
OUT10+08	J18A(21),P09(39);
OUT10+09	J19A(21),P10(19);

OUT10+10	J20A(21),P10(39);
OUT10-01	J11C(21),P06(20);
OUT10-02	J12C(21),P06(40);
OUT10-03	J13C(21),P07(20);
OUT10-04	J14C(21),P07(40);
OUT10-05	J15C(21),P08(20);
OUT10-06	J16C(21),P08(40);
OUT10-07	J17C(21),P09(20);
OUT10-08	J18C(21),P09(40);
OUT10-09	J19C(21),P10(20);
OUT10-10	J20C(21),P10(40);
OUT11+01	J11A(24),P13(01);
OUT11+02	J12A(24),P13(08);
OUT11+03	J13A(24),P13(15);
OUT11+04	J14A(24),P13(22);
OUT11+05	J15A(24),P13(29);
OUT11+06	J16A(24),P14(01);
OUT11+07	J17A(24),P14(08);
OUT11+08	J18A(24),P14(15);
OUT11+09	J19A(24),P14(22);
OUT11+10	J20A(24),P14(29);
OUT11-01	J11C(24),P13(02);
OUT11-02	J12C(24),P13(09);
OUT11-03	J13C(24),P13(16);
OUT11-04	J14C(24),P13(23);
OUT11-05	J15C(24),P13(30);

OUT11-06	J16C(24),P14(02);
OUT11-07	J17C(24),P14(09);
OUT11-08	J18C(24),P14(16);
OUT11-09	J19C(24),P14(23);
OUT11-10	J20C(24),P14(30);
OUT12+01	J11A(26),P13(03);
OUT12+02	J12A(26),P13(10);
OUT12+03	J13A(26),P13(17);
OUT12+04	J14A(26),P13(24);
OUT12+05	J15A(26),P13(31);
OUT12+06	J16A(26),P14(03);
OUT12+07	J17A(26),P14(10);
OUT12+08	J18A(26),P14(17);
OUT12+09	J19A(26),P14(24);
OUT12+10	J20A(26),P14(31);
OUT12-01	J11C(26),P13(04);
OUT12-02	J12C(26),P13(11);
OUT12-03	J13C(26),P13(18);
OUT12-04	J14C(26),P13(25);
OUT12-05	J15C(26),P13(32);
OUT12-06	J16C(26),P14(04);
OUT12-07	J17C(26),P14(11);
OUT12-08	J18C(26),P14(18);
OUT12-09	J19C(26),P14(25);
OUT12-10	J20C(26),P14(32);
OUT13+01	J11A(28),P13(05);

OUT13+02	J12A(28),P13(12);
OUT13+03	J13A(28),P13(19);
OUT13+04	J14A(28),P13(26);
OUT13+05	J15A(28),P13(33);
OUT13+06	J16A(28),P14(05);
OUT13+07	J17A(28),P14(12);
OUT13+08	J18A(28),P14(19);
OUT13+09	J19A(28),P14(26);
OUT13+10	J20A(28),P14(33);
OUT13-01	J11C(28),P13(06);
OUT13-02	J12C(28),P13(13);
OUT13-03	J13C(28),P13(20);
OUT13-04	J14C(28),P13(27);
OUT13-05	J15C(28),P13(34);
OUT13-06	J16C(28),P14(06);
OUT13-07	J17C(28),P14(13);
OUT13-08	J18C(28),P14(20);
OUT13-09	J19C(28),P14(27);
OUT13-10	J20C(28),P14(34);