REV.	CHANGES	DRAWN	DATE	CHKD.	DATE

K94 GND
K93 GND
K92 +6V
K91 +6V
K90 -5V
K89 -5V
K88 +15V
K87 +15V
K86 -15V
K85 -15V
K84 +5V
K83 +5V
K82 2M4 — U202-84
K81 2M2 — U202-71
K80 2M3 — U202-73
K79 1M1 — U202-82
K78 1M2 — U202-78
K77 1M3 — U202-7
K76 AFB — U202-20
K75 AIS — U202-61
K74 BRESET — U202-57
K73 1M4 — U202-4
K72 BCLOCK2 — U202-51
K71 BCLOCK1 — U202-65
K70 4M4 — U202-80
K69 4M2 — U202-70
K68 4M3 — U202-72
K67 3M1 — U202-83
K66 4M1 — U202-79
K65 3M2 — U202-77
K64 ACLOCK1 — U202-62
K63 ACLOCK2 — U202-59
K62 3M3 — U202-6
K61 3M4 — U202-3
K60 ARESET — U202-58
K59 ENABLEN — U202-60
K58 SHIFT-CLOCK — U505-9
K57 2M1 — U202-81
K56 PRIME — U202-69
K55 ANALOG-MUX2 — U402-65
K54 ANALOG-MUX1 — U402-68
K53 ANALOG-MUXEN — U402-75
K52 ANALOG-MUX0 — U402-66
K51 SW3 — U202-23
K50 SW4 — U202-24
K49 SW1 — U202-25
K48 SW2 — U202-26
K47 CONVERT — U202-67
K46 TXD3 — U402-9
K45 TXD2 — U402-11
K44 TXD1 — U402-5
K43 TXD0 — U402-3
K42 DRV2 — U402-27
K41 SEL-D — U402-21
K40 PULSE-TRIGGER — U202-14
K39 SEL-C — U402-24
K38 TXD6 — U402-2
K37 TXD5 — U402-4
K36 TXD7 — U402-9
K35 TXD4 — U402-10
K34 SCR-TRIGGER — U609-1
K33 SELSER — U402-81
K32 SELMODE — U402-78
K31 M2DE-3 — A5
K30 M2DE-1 — A3
K29 M2DE-0 — A4
K28 M2DE-2 — A2
K27 INTER_LOCK-A — A1
K26 RAMSEL — U402-52
K25 RIGHT-DATA — U505-5
K24 LEN1 — U402-47
K23 LEN0 — U402-46
K22 M2DE2 — U402-60
K21 M2DESTRB — U402-27
K20 RAMEN — U402-53
K19 M2DE1 — U402-44
K18 M2DE0 — U202-10
K17 RAMRDY — U402-63
K16 RAMCSB — U402-63
K15 SYSCLK — U202-11
K14 TAXICLK — U402-65
K13 COM2 — U402-58
K12 COM1 — U402-48
K11 COM0 — U402-49
K10 TAXIDATA — U402-83
K9 TAXI-RESET — U402-55

K8 +5V
K7 +5V
K6 GND
K5 GND
K4 GND
K3 GND
K2 GND
K1 GND

K96 GND
K95 GND

+5V

U201 XC1736
1 DATA
2 CLK
3 RESET/#OE
4 #CE
5 #CEO
7 VPP

C201 1.0uF,10%,50v,Tn
C202 .1uF,50V,SMD

R231 22K,5%,1/10w,2%

U202 XI3042

12	#PWRDN		
74	CCLK		
13	TCLKIN-I/O		
32	M0-#RTRIG		
31	M1-#RDATA		
33	M2-I/O		
54	#RESET		
61	#CS0-I/O	AIS	TO U501-3 /#P75
66	#CS1-I/O	BUSY	TO (S4) U402-62
53	XTL2(IN)-I/O	4M3	TO (S6) U603-9/#P68
72	D0-DIN-I/O		
70	D1-I/O	4M2	TO (S6) U603-11/#P69
67	D2-I/O	CONVERT	TO (S1) U103-16/#P47
65	D3-I/O	BCLOCK1	TO (S5) U501-13/#P71
62	D4-I/O	ACLOCK1	TO (S6) U601-11/#P64
60	D5-I/O	ENABLEN	TO DRIVER (S1) U505-11/#P59
58	D6-I/O	ARESET	TO (S6) U601-5 /#P60
56	D7-I/O		
14	I/00	PULSE-TRIGGER	(S1) Q1-2/#P40
15	I/01	MODE1	#P19
16	I/02		
17	I/03		
18	I/04	EVENT	FROM (S4) U402-61
19	I/05		
20	I/06	AFB	TO (S5) U501-5/#P76
21	I/07		
23	I/08	SW3	TO (S1) U101-9/#P51
24	I/09	SW4	TO (S1) U101-8/#P50
25	I/010	SW1	TO (S1) U101-1/#P49
26	I/011	SW2	TO (S1) U101-16/#P48
27	I/012	LEN1	#P24
28	I/013	LEN0	#P23
29	I/014		
30	I/015		
35	I/016		
37	I/017		
38	I/018		
39	I/019		
40	I/020		
41	I/021		

55	DONE-#PG		
71	RDY/#BUSY-#RCLK-I/O	2M2	TO (S5) U503-3 #P81
34	HDC-I/O		
36	#LDC-I/O		
42	#INIT-I/O		
57	XTL1(OUT)-BCLKIN-I/O	BRESET	TO (S5) U501-1/#P74
73	DOUT-I/O	2M3	TO (S5) U503-1/#P80
75	A0-#WS-I/O		
76	A1-CS2-I/O		
77	A2-I/O	3M2	TO (S5) U601-13/#P65
78	A3-I/O	1M2	TO (S5) U503-11/#P78
82	A4-I/O	1M1	TO (S5) U503-9 /#P79
84	A5-I/O	2M4	TO (S5) U503-5 /#P82
3	A6-I/O	3M4	TO (S5) U601-3 /#P61
5	A7-I/O	ADCSTRB	FROM TAXI CONTROL
9	A8-I/O		
11	A9-I/O	SYSCLK	20 MHZ CLOCK (S4) U405-2/#P15
10	A10-I/O	MODE0	FROM BITBUS CONTROL #P18
8	A11-I/O		
4	A12-I/O	1M4	TO (S5) U501-9 /#P73
2	A13-I/O		
83	A14-I/O	3M1	TO (S5) U603-1 /#P67
81	A15-I/O	2M1	TO (S5) U505-3 /#P57
44	I/022		
45	I/023		
46	I/024		
47	I/025		
48	I/026		
49	I/027		
50	I/028		
51	I/029	BCLOCK2	TO (S5) U501-11 #P72
52	I/030		
59	I/031	ACLOCK2	TO (S6) U601-9 #P63
63	I/032		
68	I/033		
69	I/034	PRIME	TO (S5) U505-1 #P56
79	I/035	4M1	TO (S6) U601-13 #P66
80	I/036	4M4	TO (S6) U603-13 #P70
6	I/037	3M3	TO (S6) U601-1 #P62
7	I/038	1M3	TO (S5) U503-13 #P77

DIST: I: | II: | III:
SHOWN ON
ACCOUNT NUMBER
SERIAL NUMBER
DATE ISSUED
DATE RECVD.
NO. RECVD.
DEL. TO

TITLE **EOS DETECTOR ELECTRONICS**
READOUT BOARD
SWITCHED CAPACITOR ARRAY CONTROL ELECTRONICS
SIDE A

DRAWN Ron Jones DATE 03/23/92
CHECKED DATE 08/23/91
APPROVED DATE

LAWRENCE BERKELEY LABORATORY
UNIVERSITY OF CALIFORNIA
OFFICE OF ELECTRONICS ENGINEERING

ENGINEER R. Jones K.Lee/M.Nakamura
FILE NO. C009S2 | SIZE D | DRAWING NO. 14V8744 S2 | REV. A
SCALE NONE | /JOBS/C009 | SHEET 2 OF 5