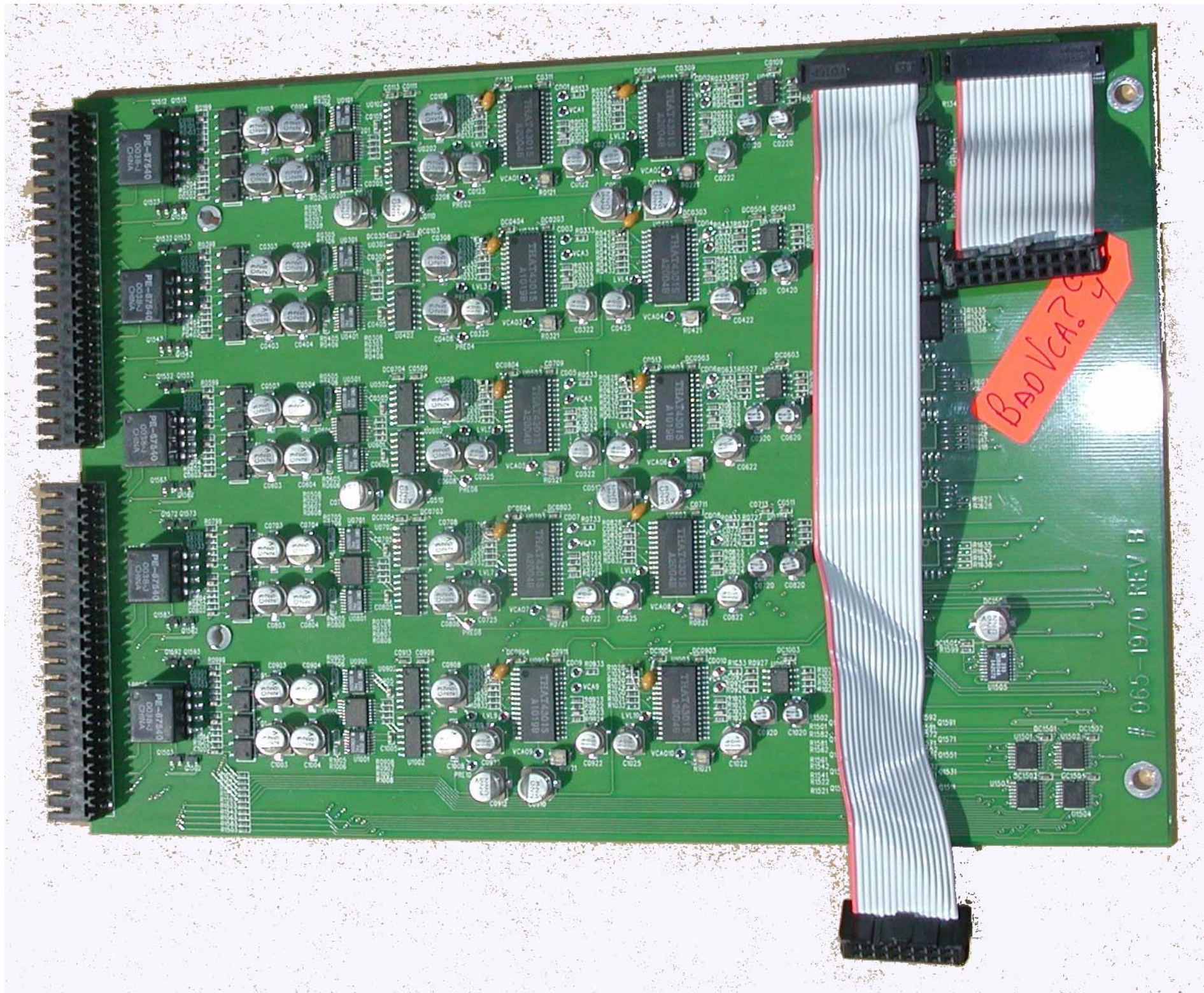


Ivie Technologies

**005-1970 Rev D
1026 Input Board
Schematic, BOM, and Loading Diagrams**

06/14/2004





BAD VCA? 4

065-1970 REV B

Ivie Technologies

**005-1970 Rev D
1026 Input Board
Schematic and PCB Prints**

06/14/2004



MECHANICAL SUPPORT



J402

20	CD05
19	GND
18	IN5-
17	IN5+
16	CD04
15	GND
14	IN4-
13	IN4+
12	CD03
11	GND
10	IN3-
9	IN3+
8	CD02
7	GND
6	IN2-
5	IN2+
4	CD01
3	GND
2	IN1-
1	IN1+

J403

20	CD010
19	GND
18	IN10-
17	IN10+
16	CD09
15	GND
14	IN9-
13	IN9+
12	CD08
11	GND
10	IN8-
9	IN8+
8	CD07
7	GND
6	IN7-
5	IN7+
4	CD06
3	GND
2	IN6-
1	IN6+

J101

BUSIN1	1	2	GND
BUSIN2	3	4	GND
BUSIN3	5	6	GND
BUSIN4	7	8	GND
SUM1	9	10	GND
SUM2	11	12	GND
SUM3	13	14	GND
SUM4	15	16	GND

J102

SCK	1	2	MUX0
MOU	3	4	MUX1
A0	5	6	LD485
A1	7	8	LD485
A2	9	10	IS_STB
/RST	11	12	IS_STB
VCC	13	14	VCC
+5	15	16	+5
VEE	17	18	VEE
GND	19	20	MUXOUT

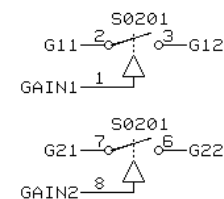
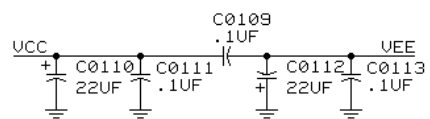
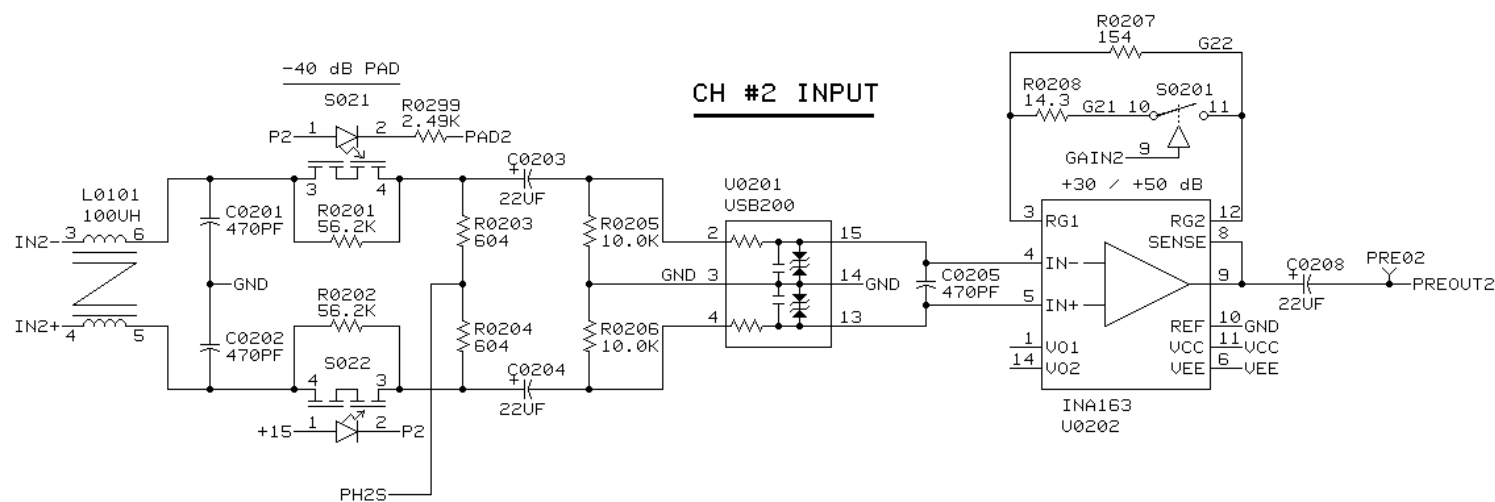
IVIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D 1026I.P01 002-1970 REV D0

DATE: 06/14/04 15:52:51 SHEET 01 OF 16



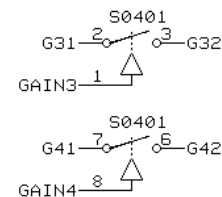
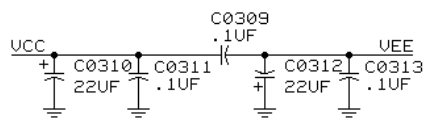
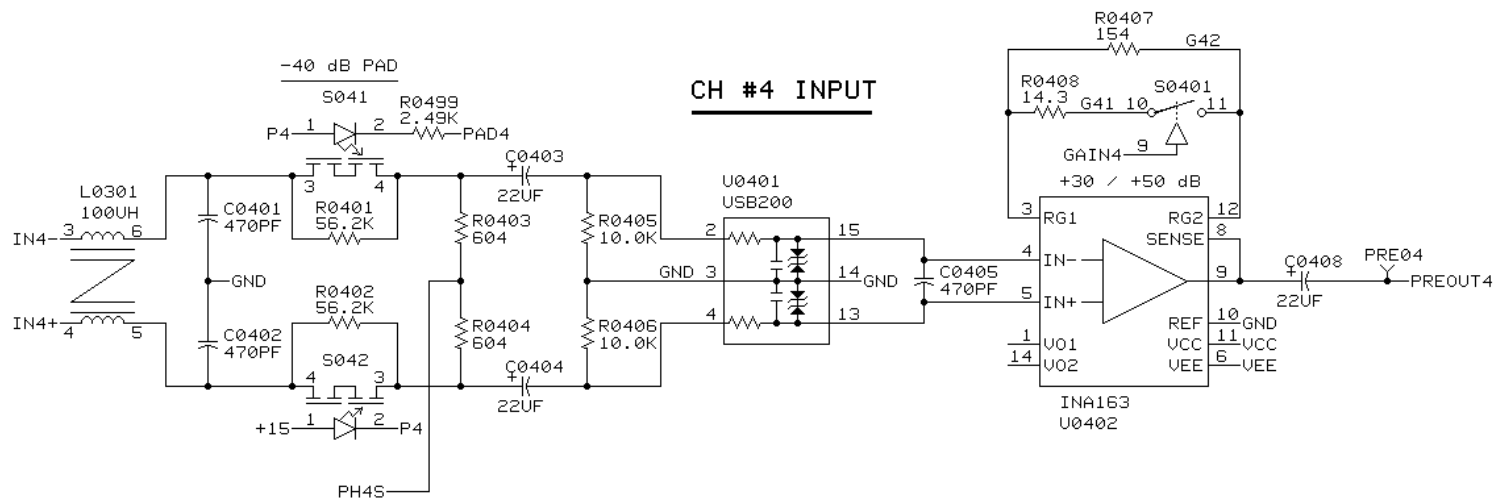
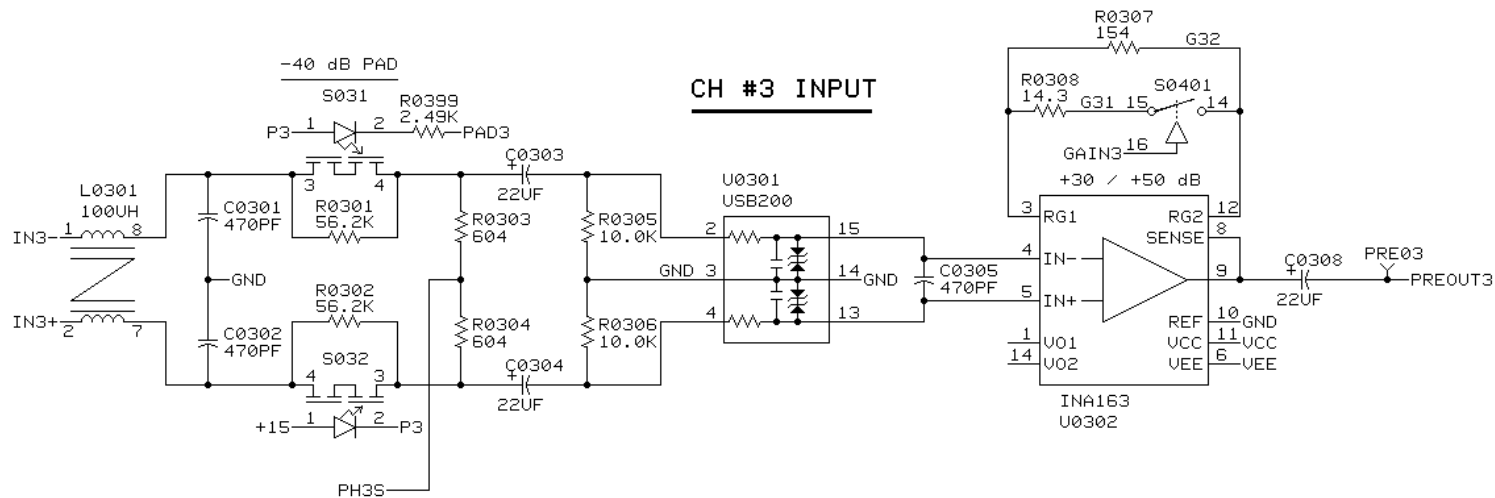
IVIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D	1026I.P02	002-1970	REV D0
---	-----------	----------	--------

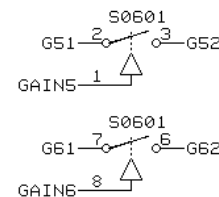
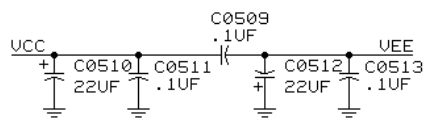
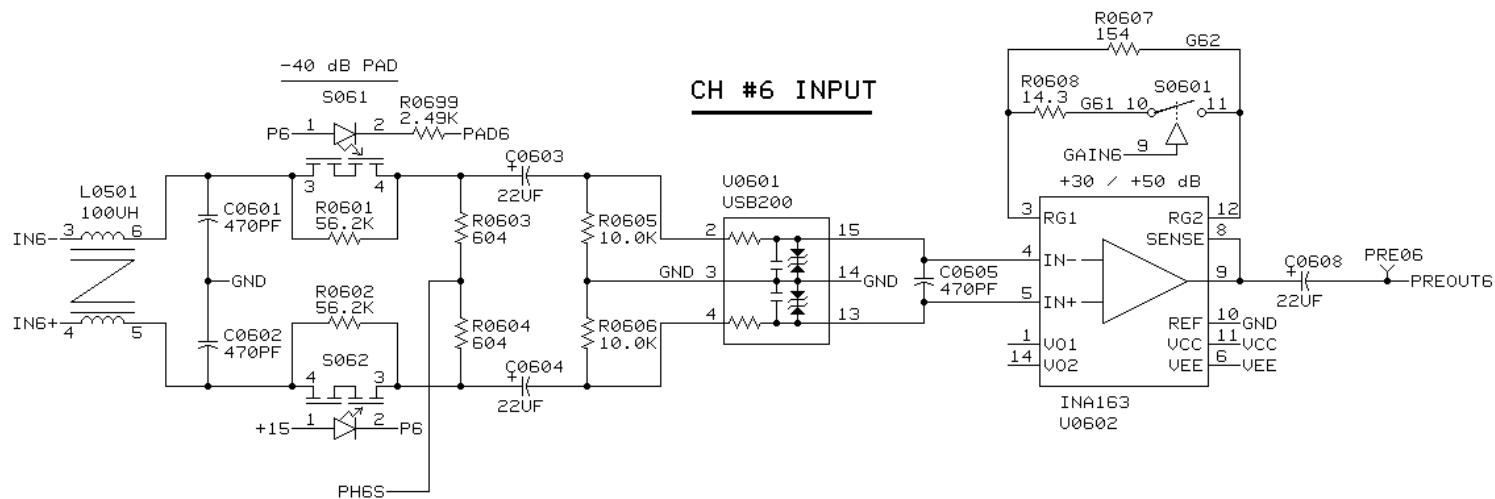
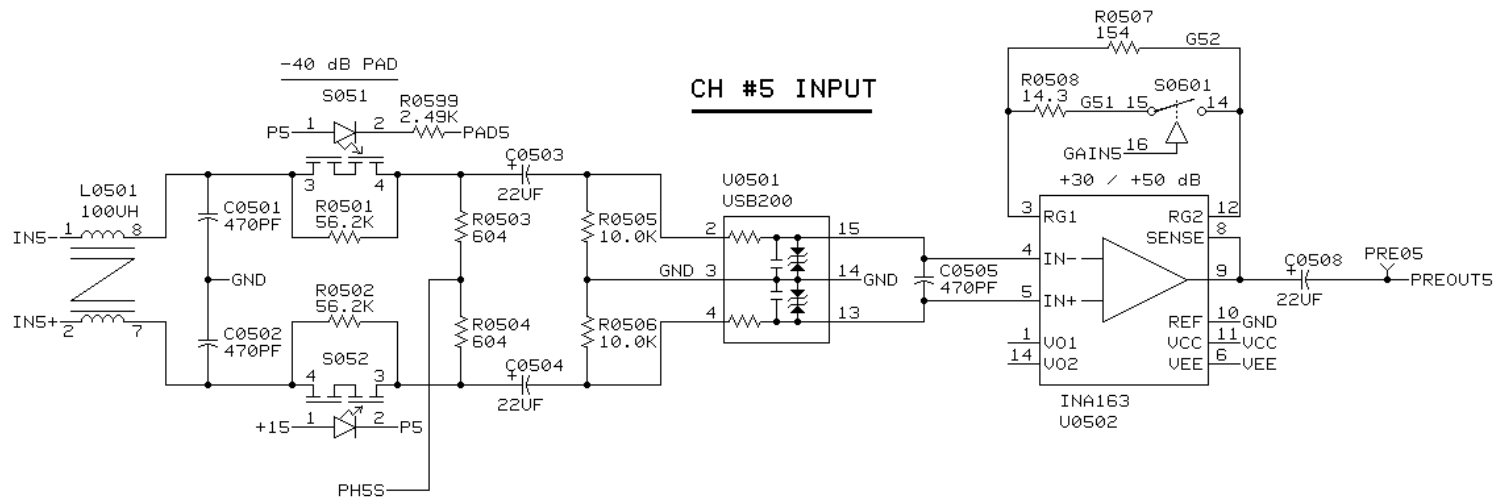
DATE: 06/14/04 15:52:52	SHEET 02 OF 16
-------------------------	----------------



IVIE Technologies, Inc
 1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D	1026I.P03	002-1970	REV D0
DATE: 06/14/04 15:52:53		SHEET 03 OF 16	



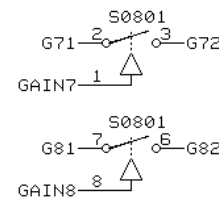
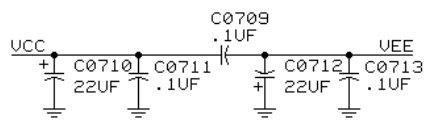
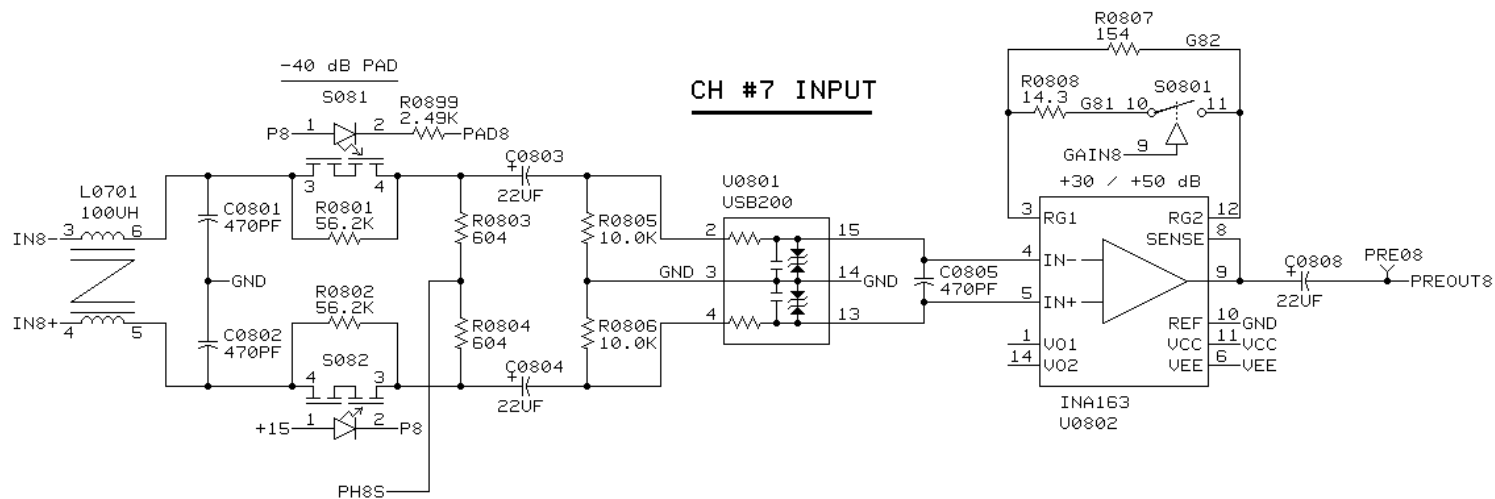
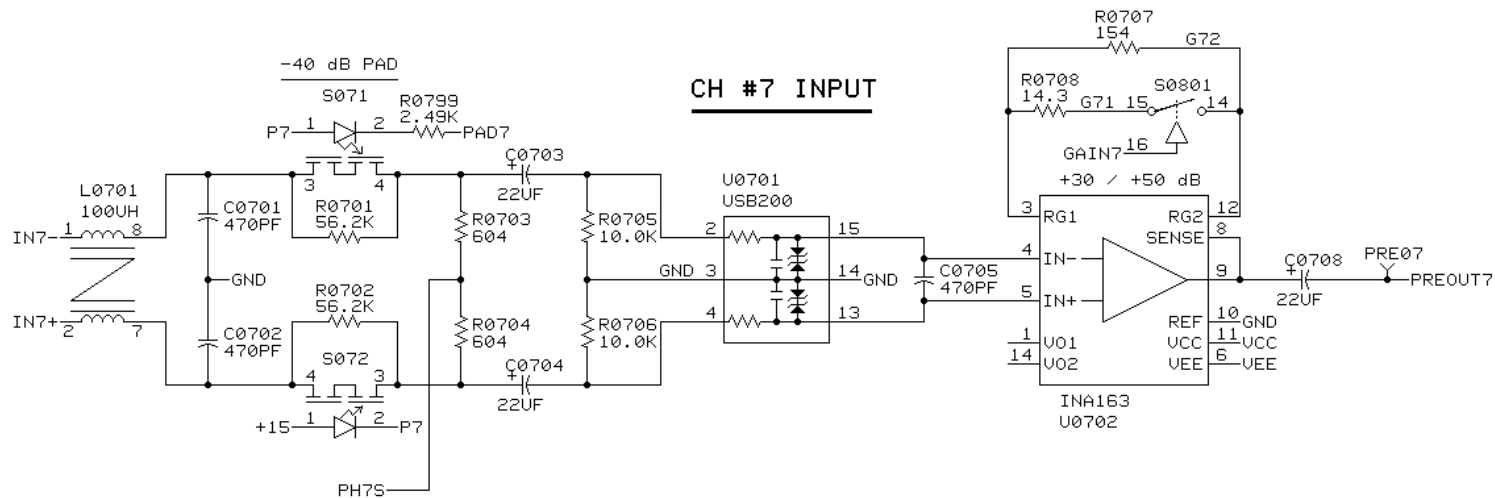
IUIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D	1026I.P04	002-1970	REV D0
---	-----------	----------	--------

DATE: 06/14/04 15:52:54	SHEET 04 OF 16
-------------------------	----------------



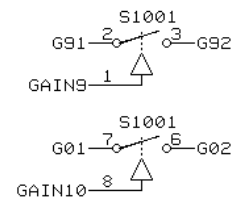
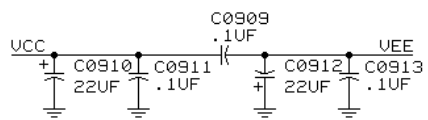
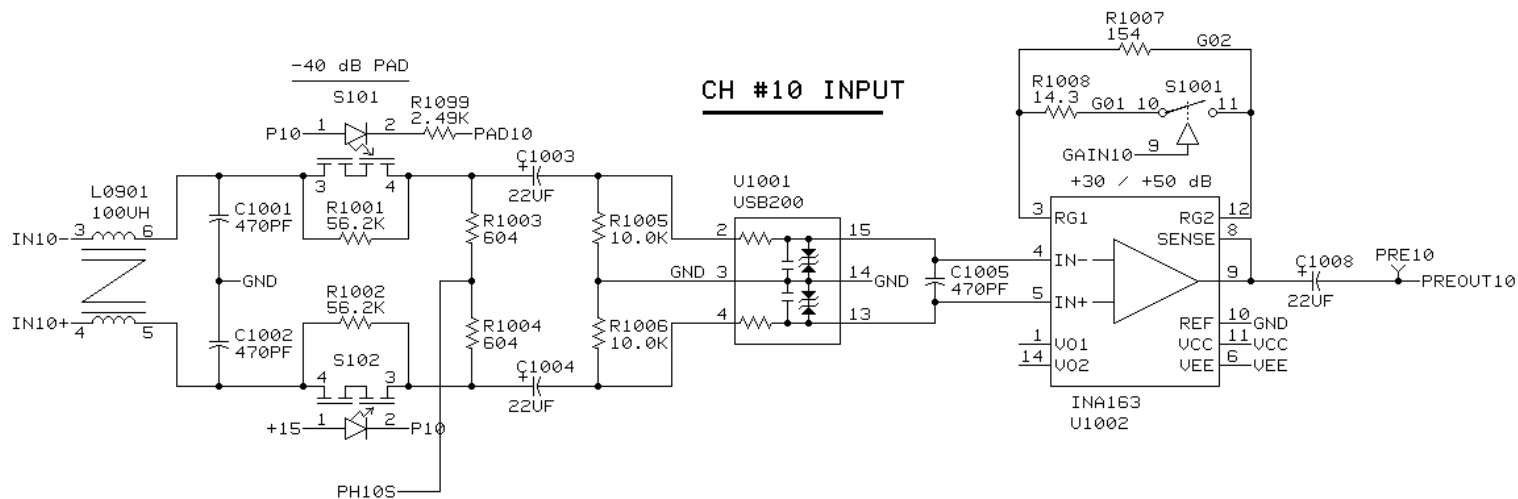
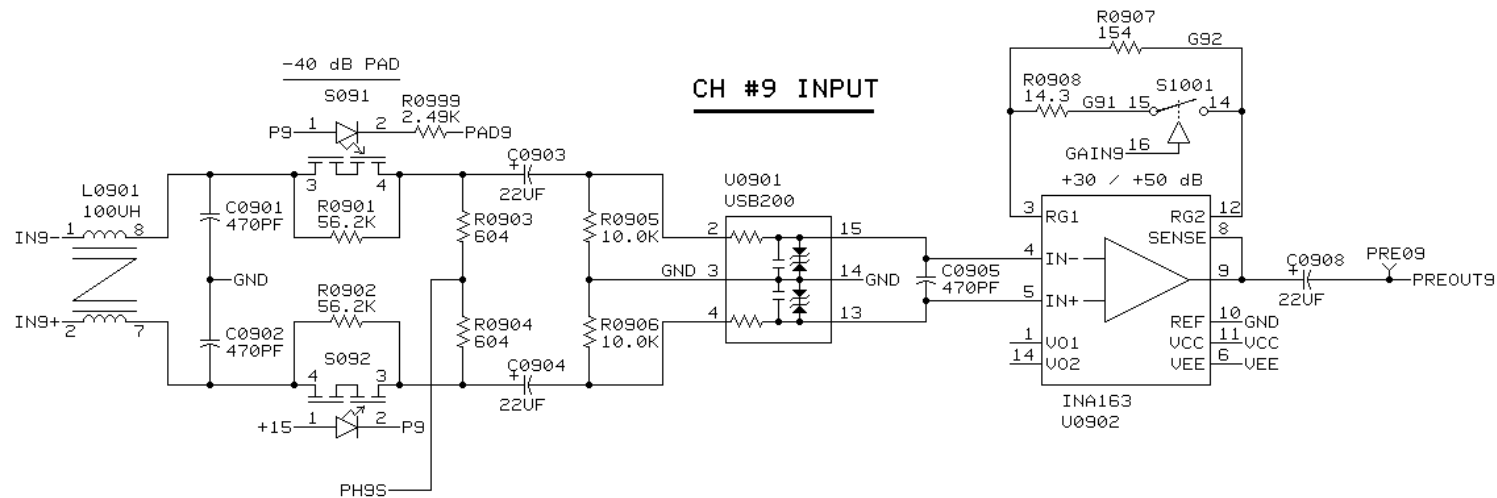
IUIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D 1026I.P05 002-1970 REV D0

DATE: 06/14/04 15:52:55 SHEET 05 OF 16



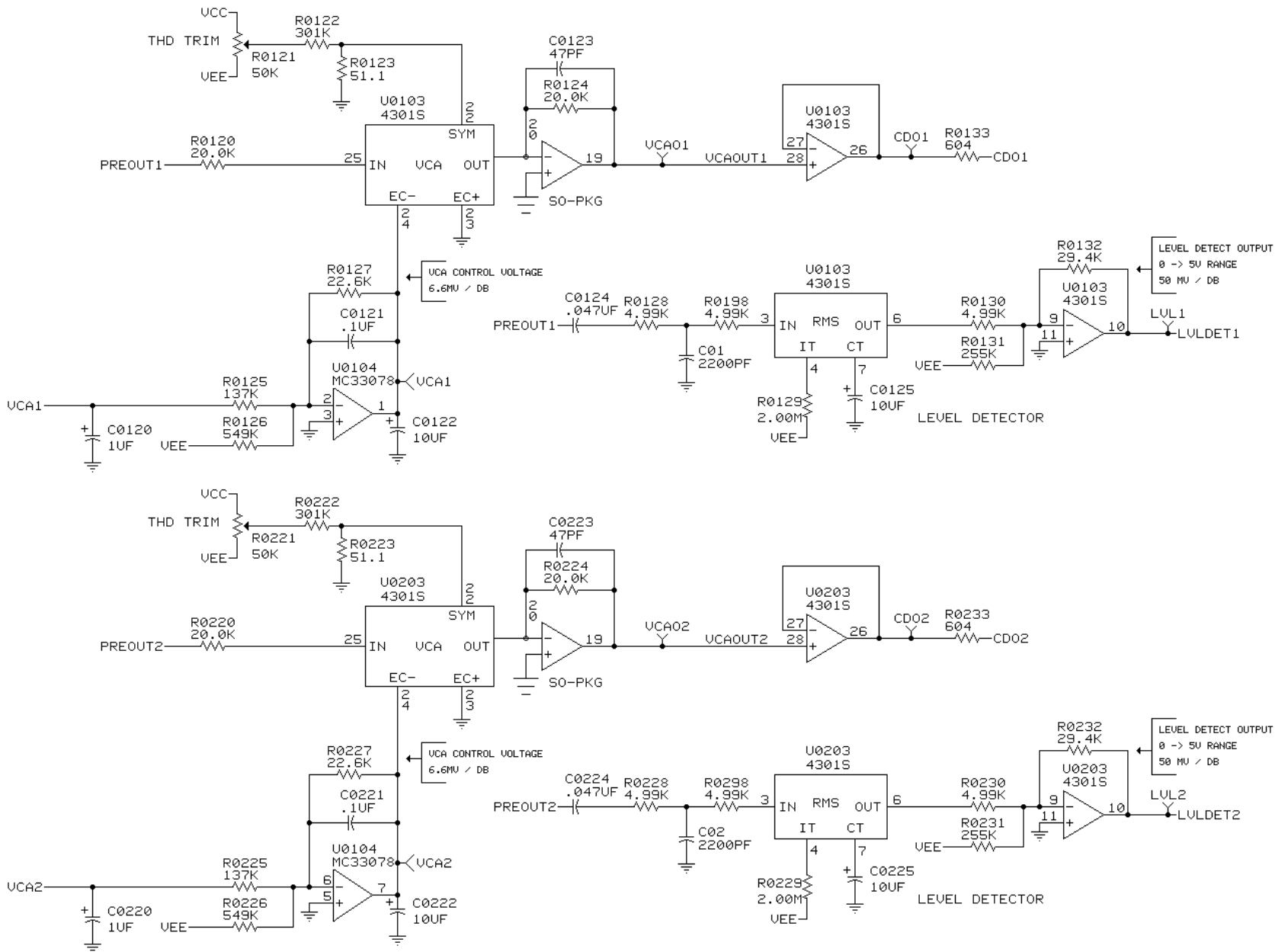
IVIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D 1026I.P06 002-1970 REV D0

DATE: 06/14/04 15:52:56 SHEET 06 OF 16



IUIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH, 84043

1026 Integrated Mixer

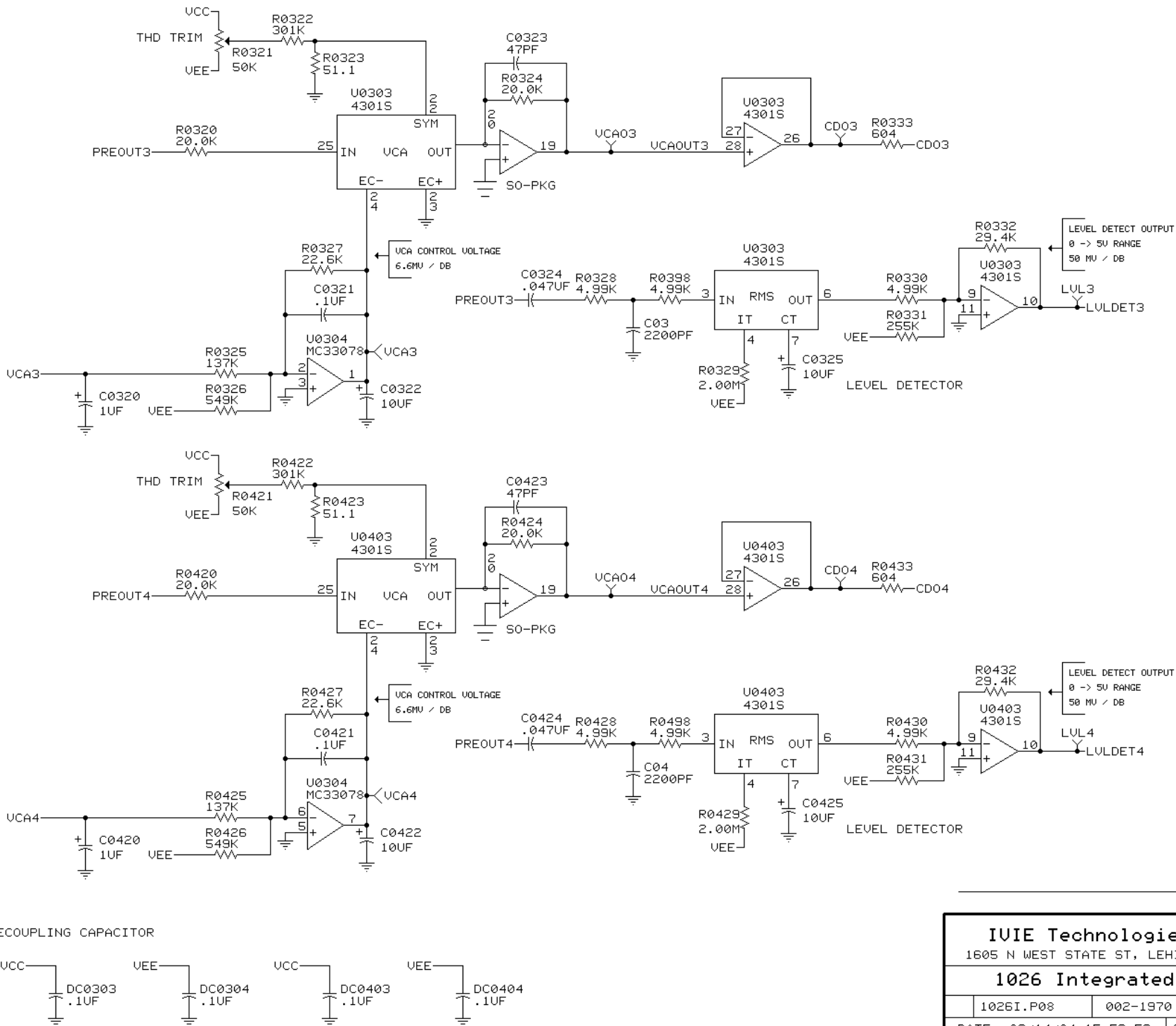
1026I.P07

002-1970

REV D0

DATE: 06/14/04 15:52:58

SHEET 07 OF 16



IUIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH, 84043

1026 Integrated Mixer

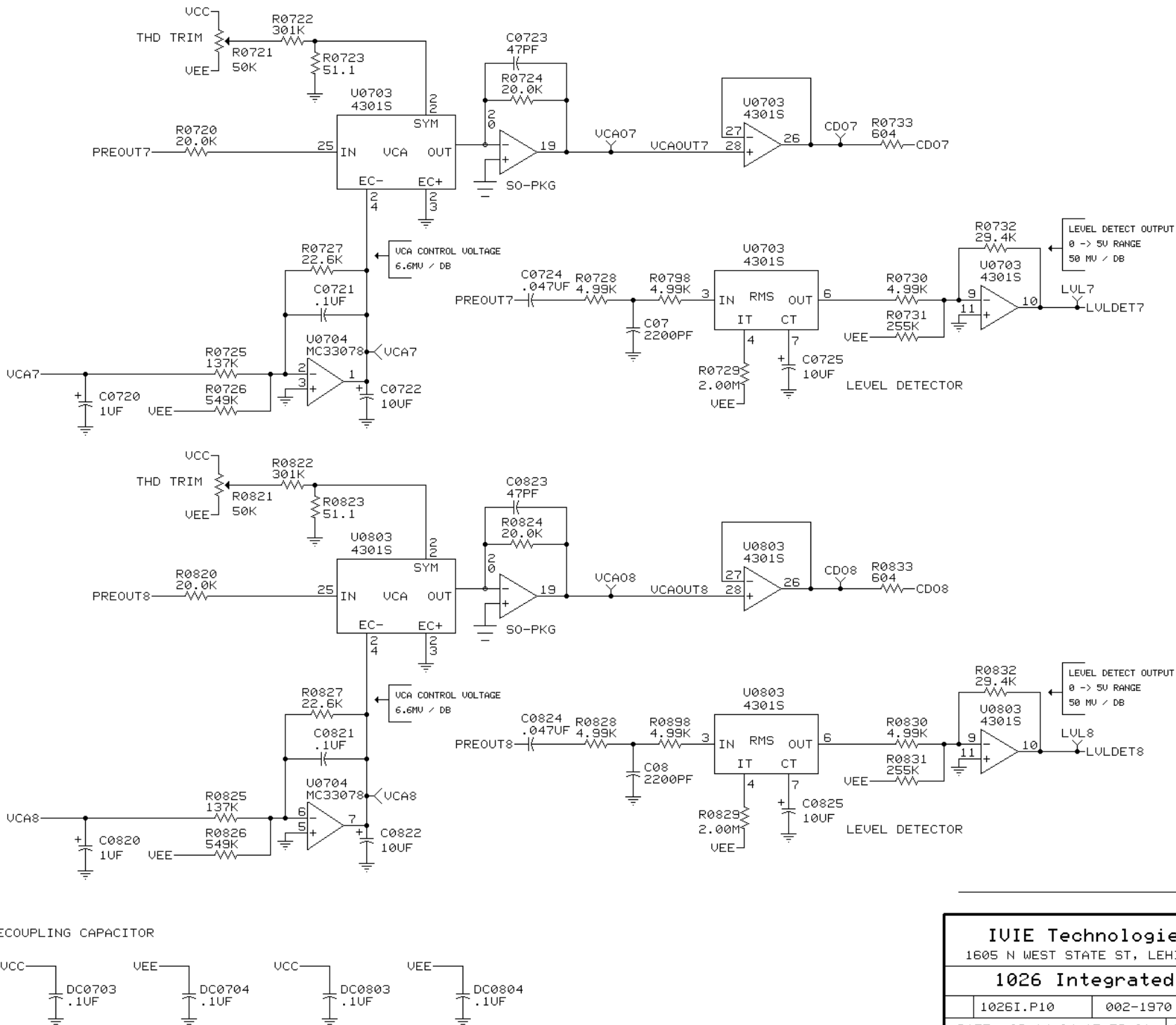
1026I.P08

002-1970

REV D0

DATE: 06/14/04 15:52:59

SHEET 08 OF 16

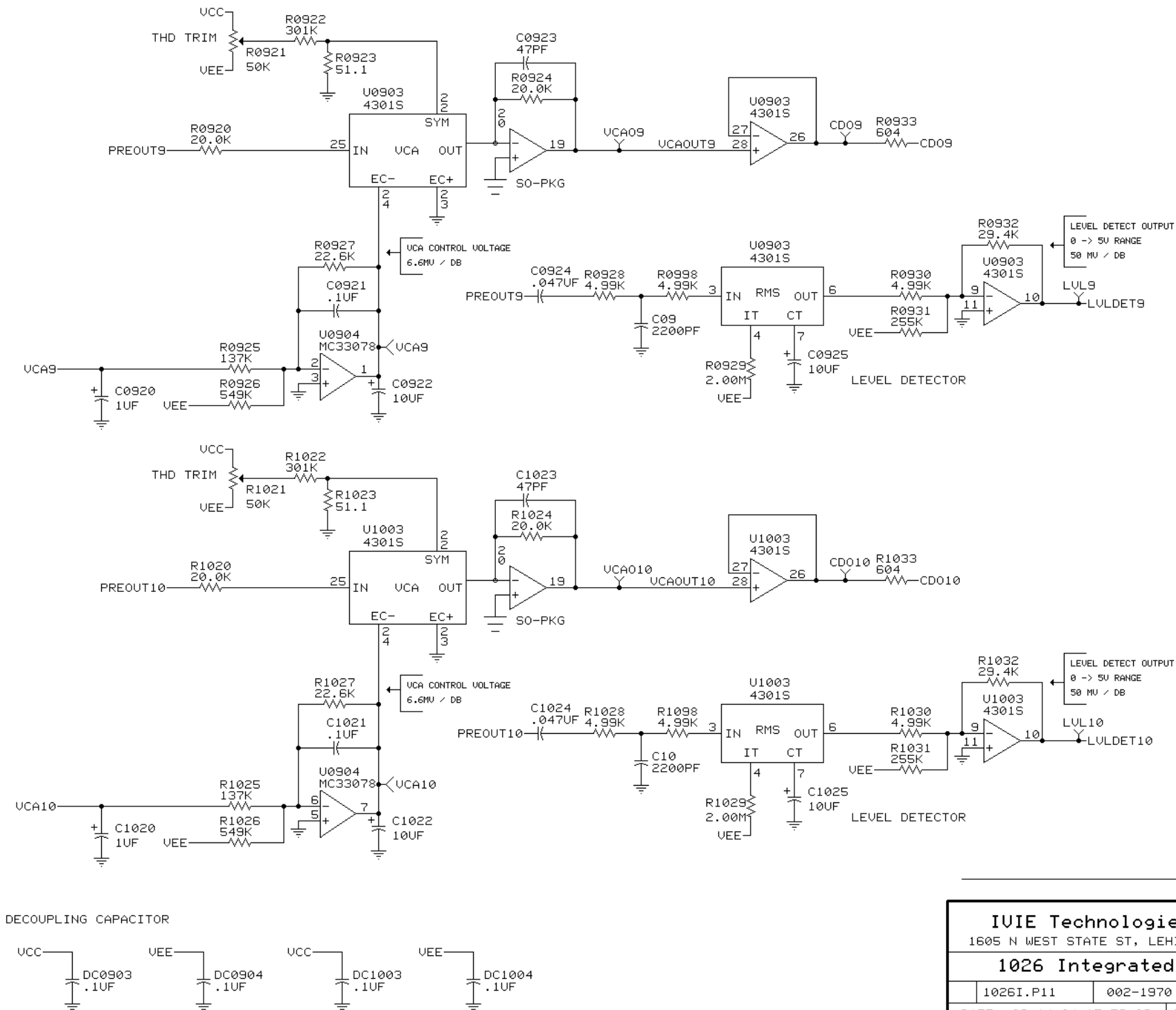


D

C

B

A



IUIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH, 84043

1026 Integrated Mixer

1026I.P11

002-1970

REV D0

DATE: 06/14/04 15:53:02

SHEET 11 OF 16

1026 MIX BUS

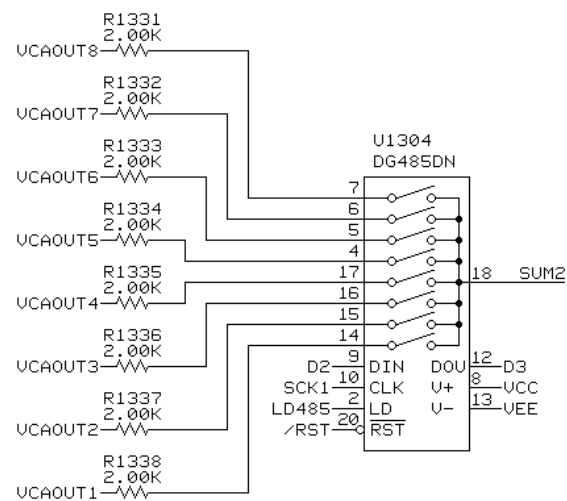
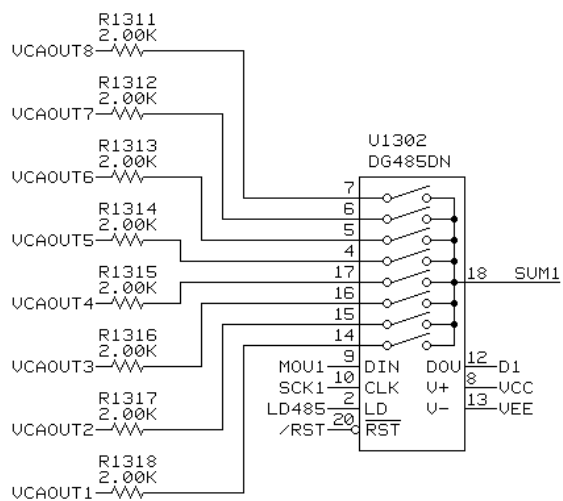
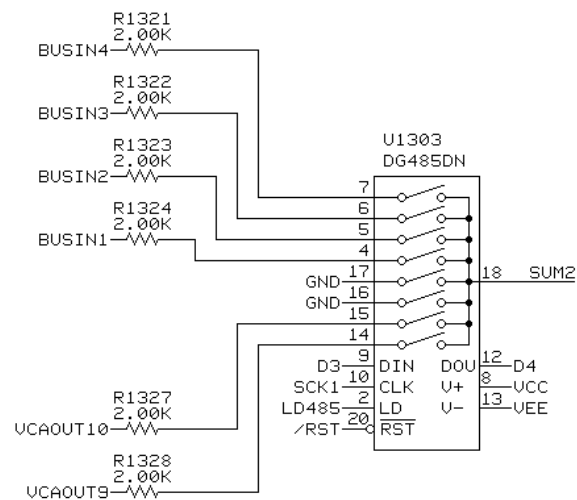
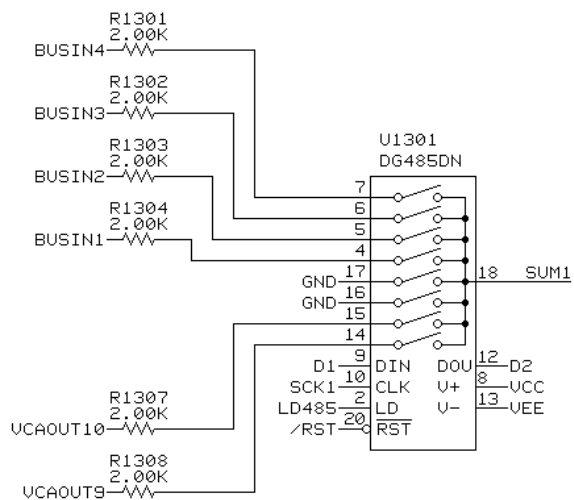
IVIE Technologies, Inc

1605 NW STATE STREET, LEHI, UTAH 84043

1026 Integrated Mixer

D	1026I.P12	002-1970	REV D0
---	-----------	----------	--------

DATE: 06/14/04 15:53:04	SHEET 12 OF 16
-------------------------	----------------



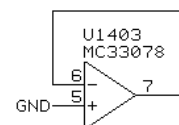
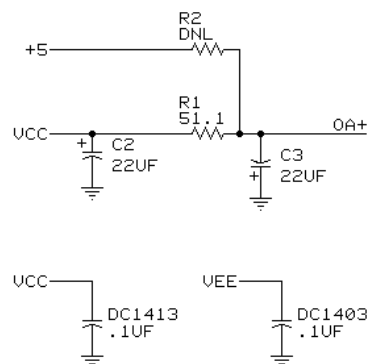
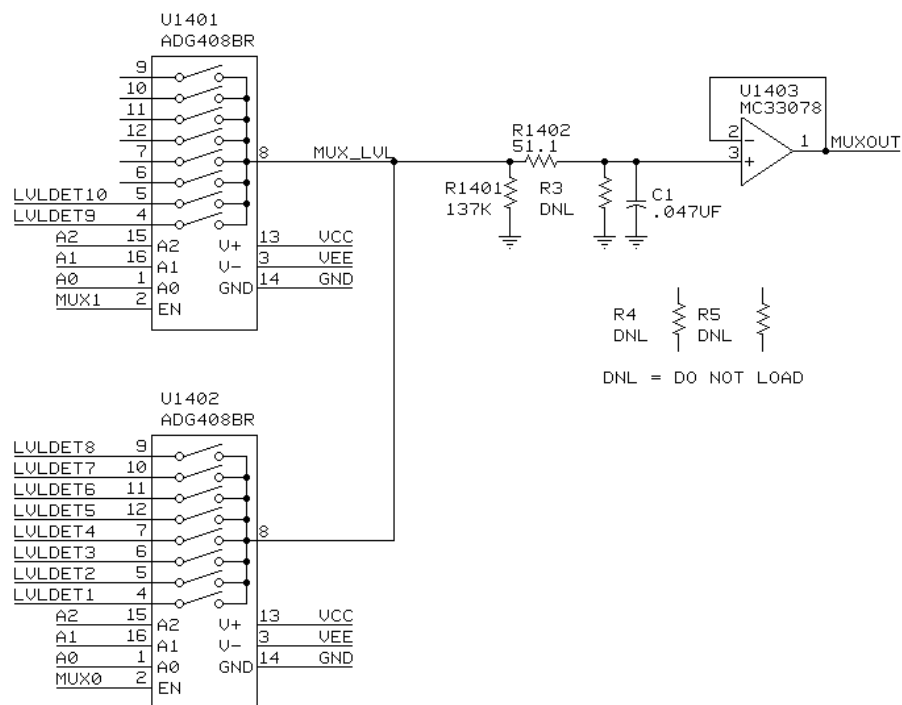
R1340
504
SCK—SCK1

R1341
504
MOU—MOU1

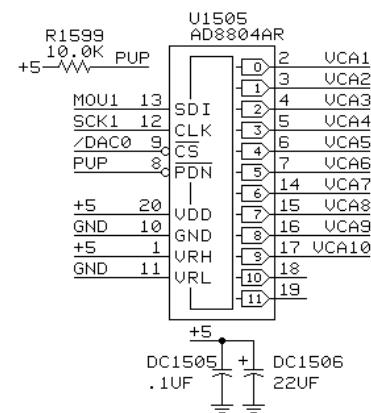
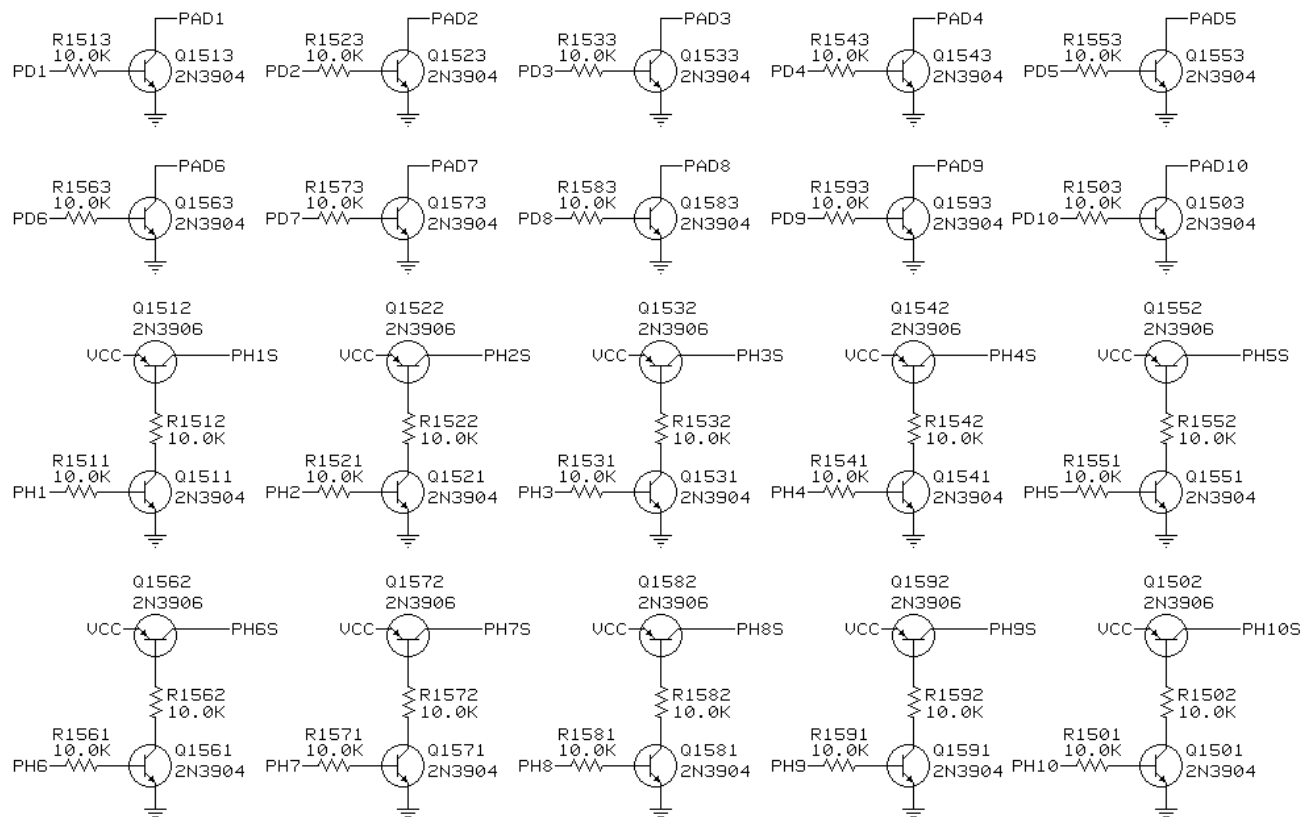
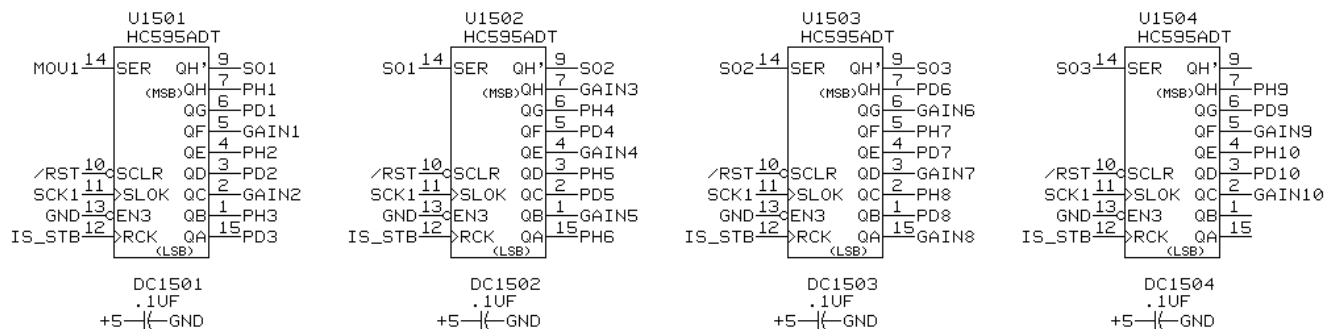
IVIE Technologies, Inc
1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D	1026I.P13	002-1970	REV D0
DATE:	06/14/04 15:53:05	SHEET	13 OF 16



IUIE Technologies, Inc 1605 N WEST STATE ST, LEHI, UTAH 84043			
1026 Integrated Mixer			
D	1026I.P14	002-1970	REV D0
DATE: 06/14/04 15:53:06		SHEET 14 OF 16	



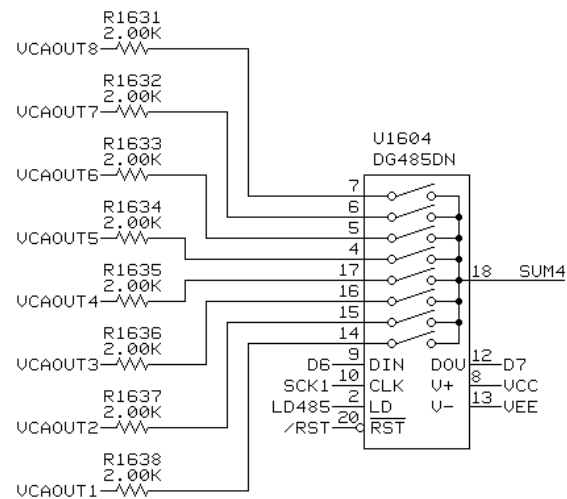
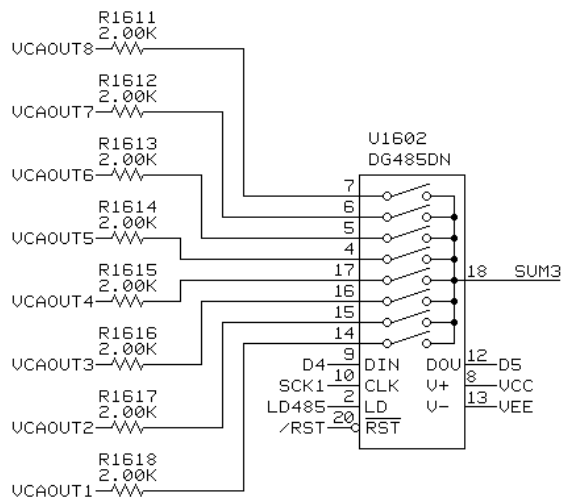
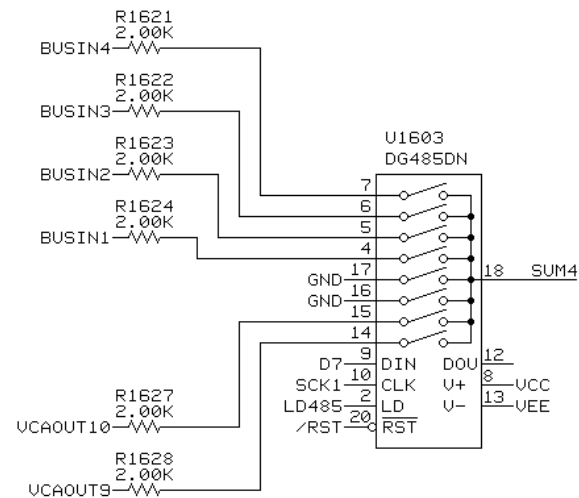
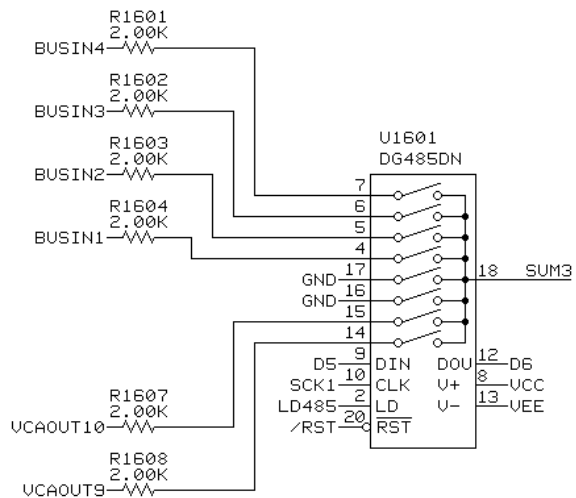
IUIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D 1026I.P15 002-1970 REV D0

DATE: 06/14/04 15:53:07 SHEET 15 OF 16



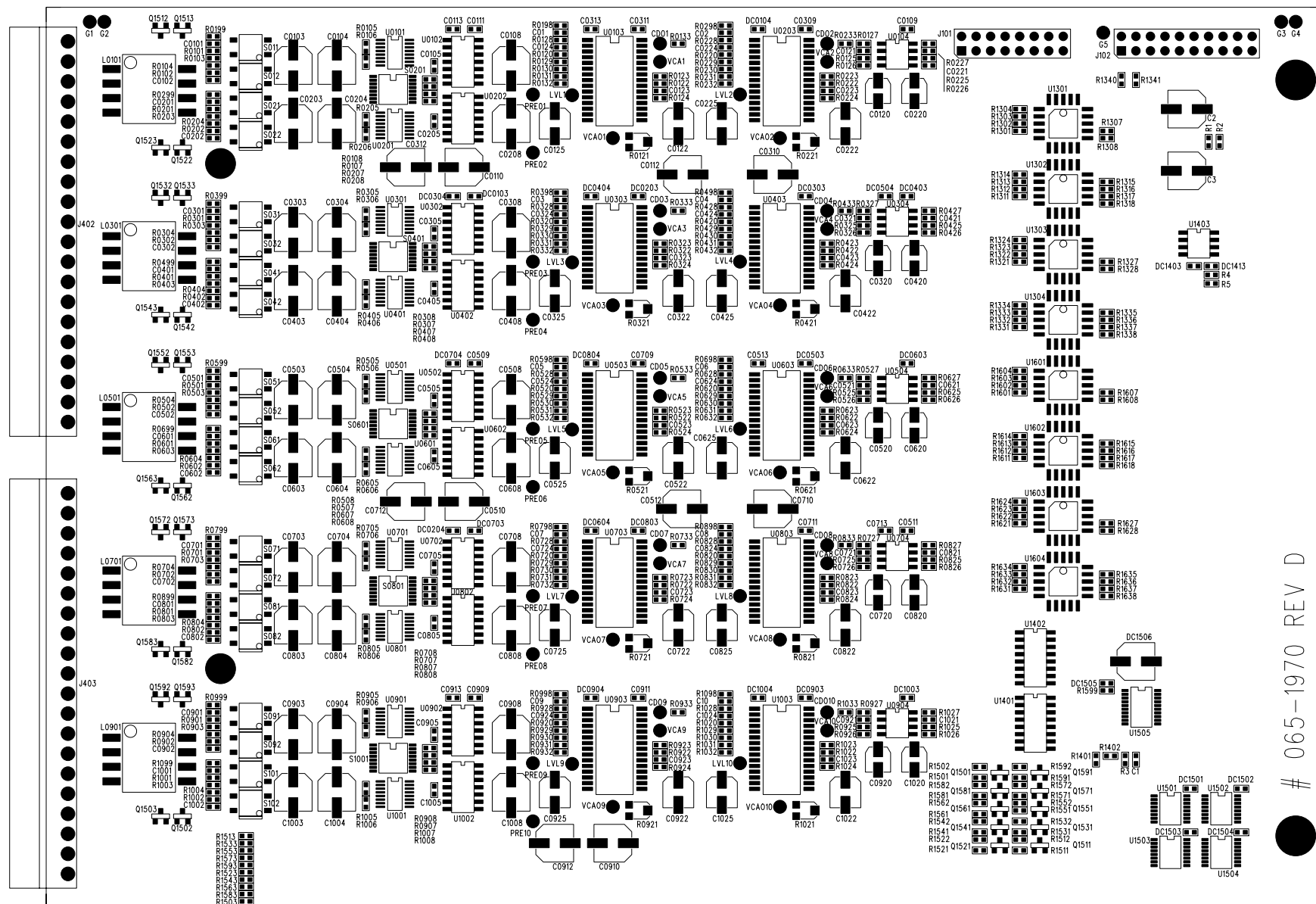
IVIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

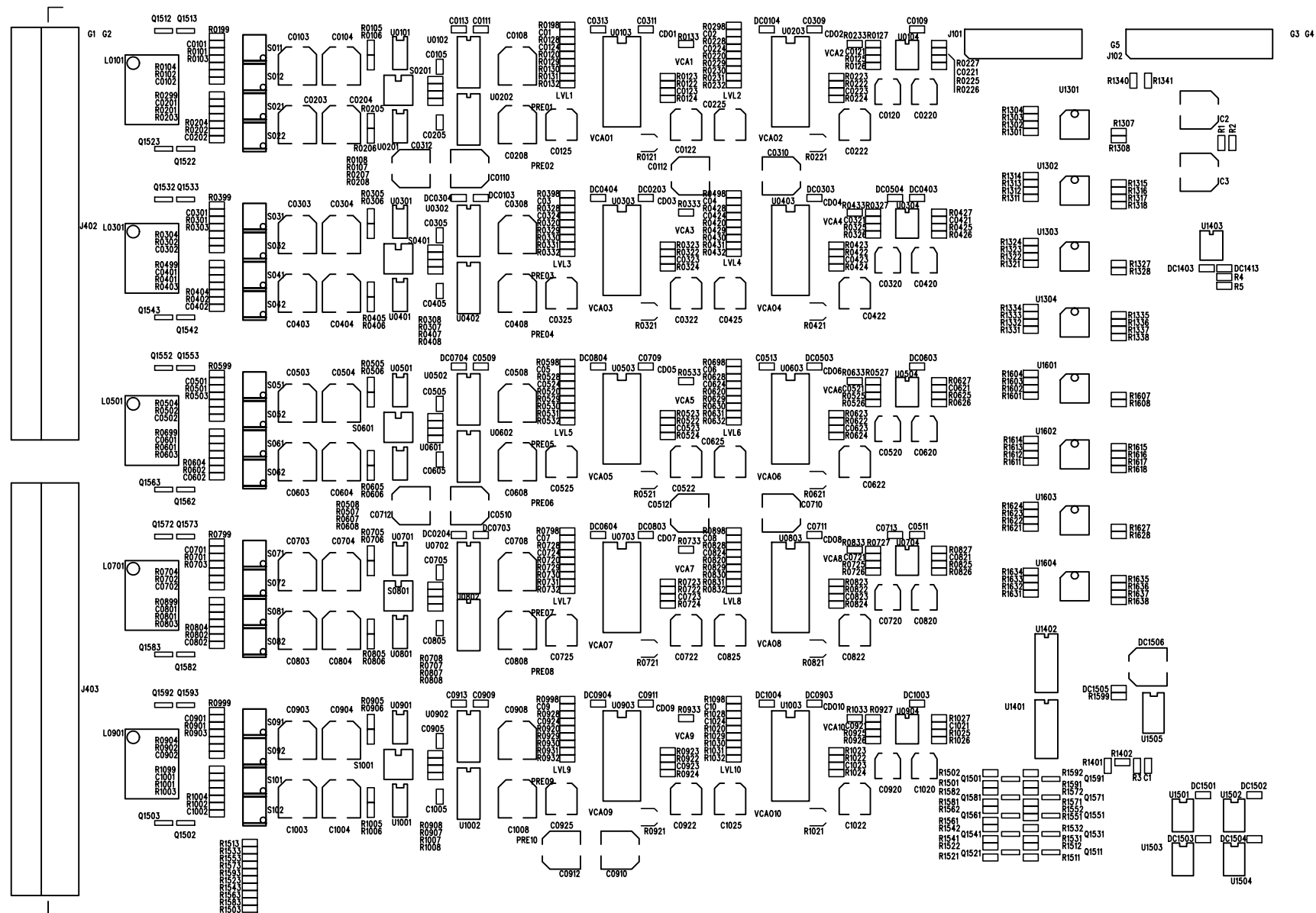
1026 Integrated Mixer

D 1026I.P16 002-1970 REV D0

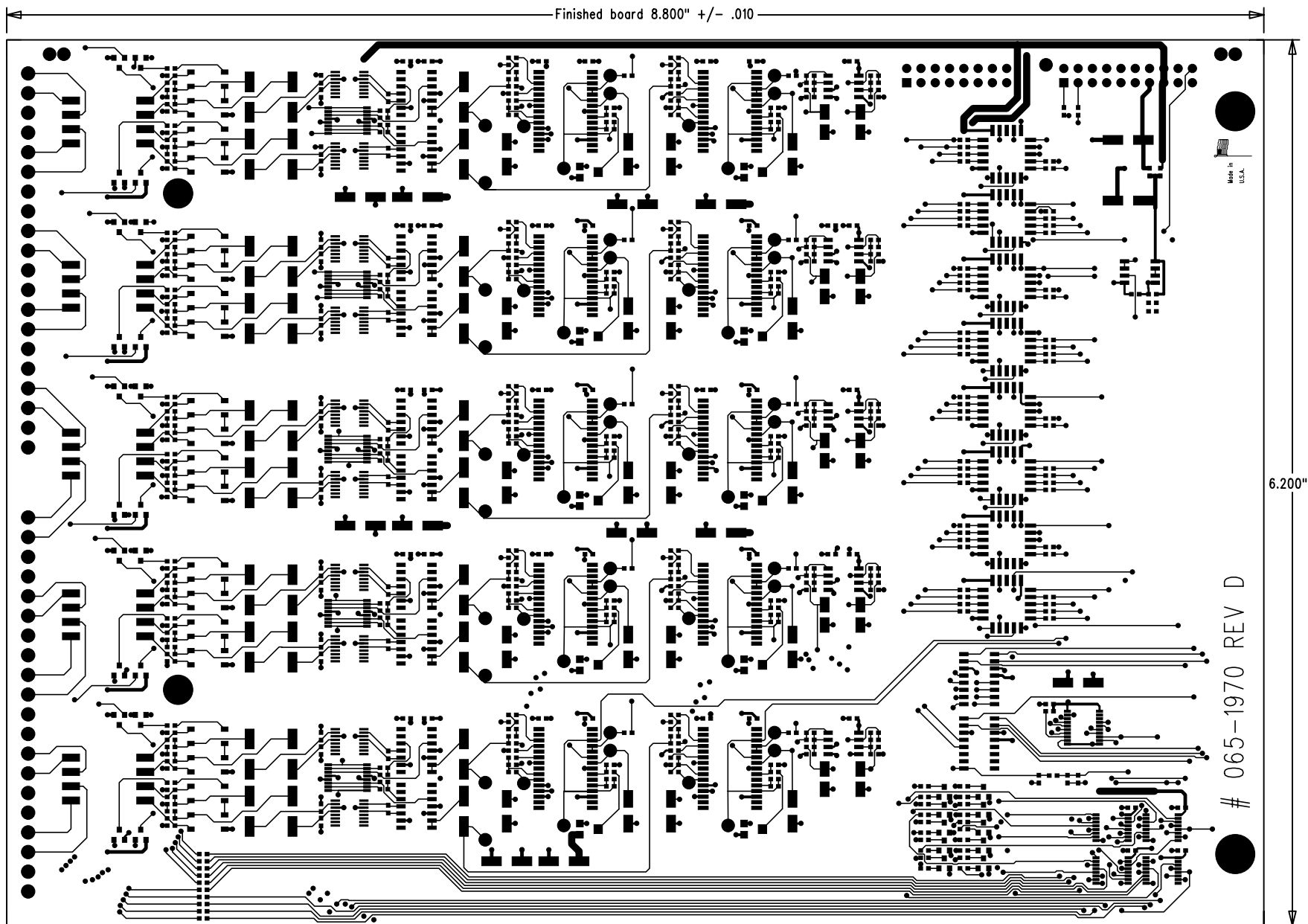
DATE: 06/14/04 15:53:08 SHEET 16 OF 16



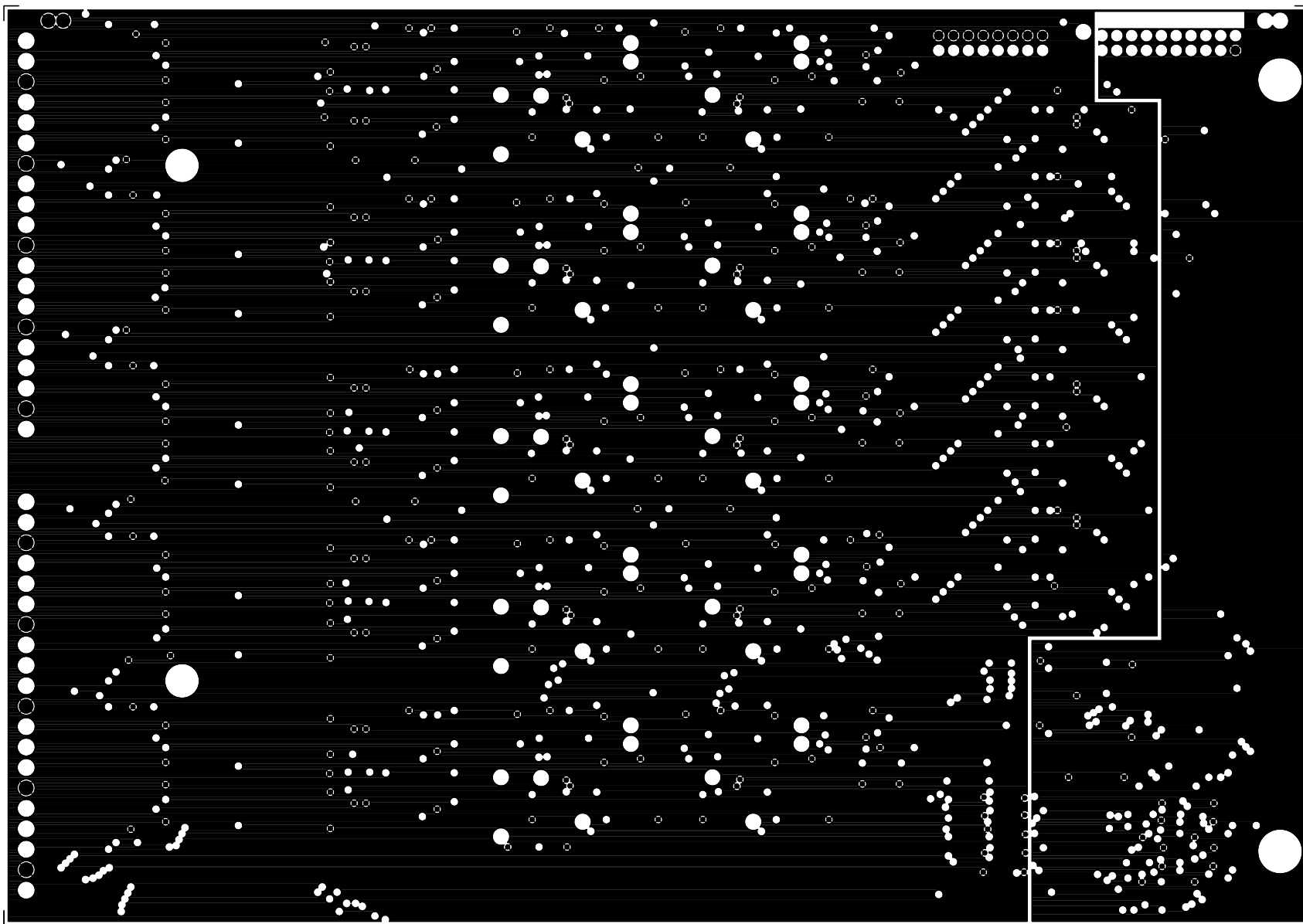
		Ivie Technologies, Inc.
		June 11, 2004
	ASSEMBLY DRAWING TOP	# 065-1970 REV D



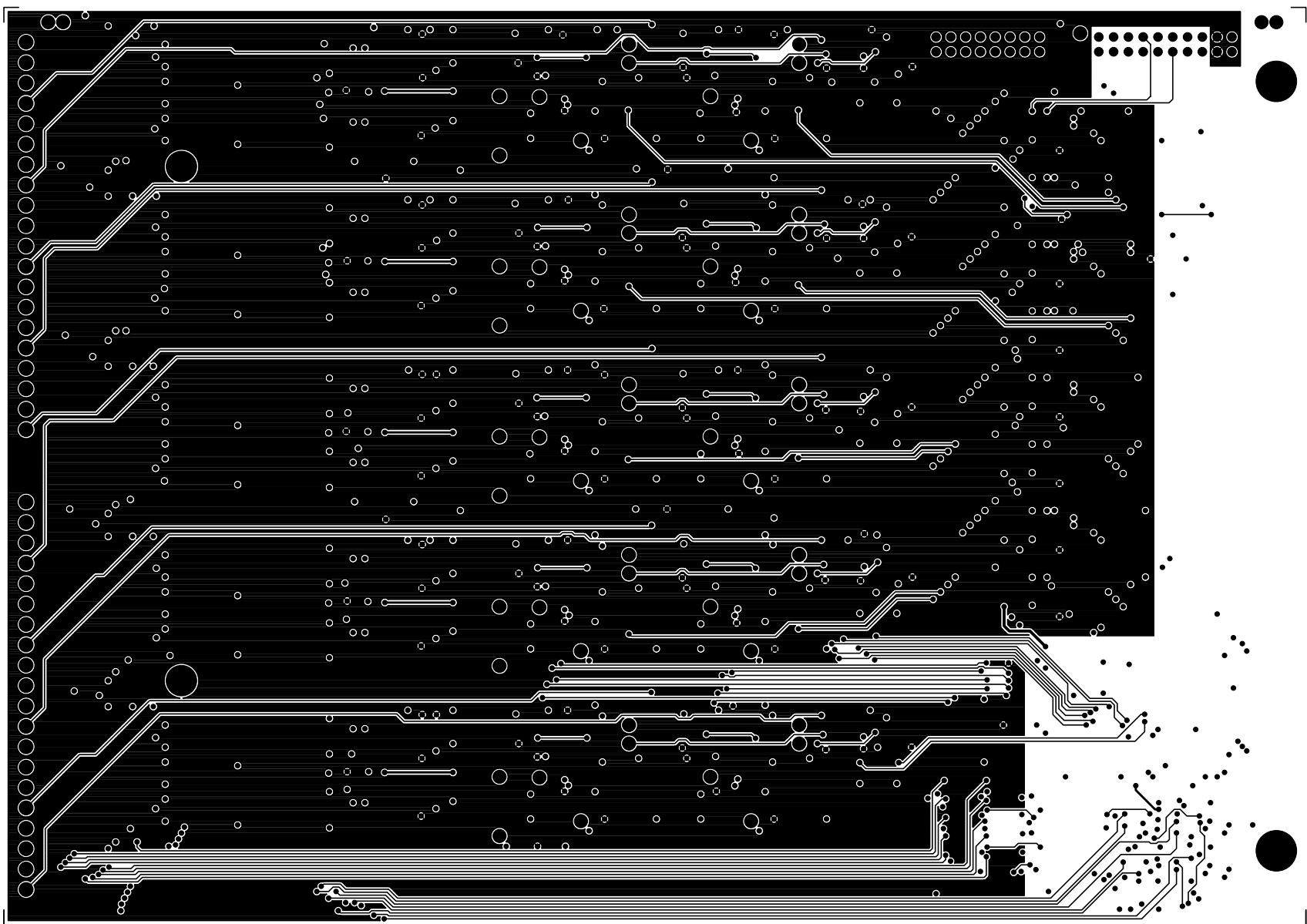
	TOP SILK SCREEN	Ivie Technologies, Inc.
		June 11, 2004
		# 065-1970 REV D



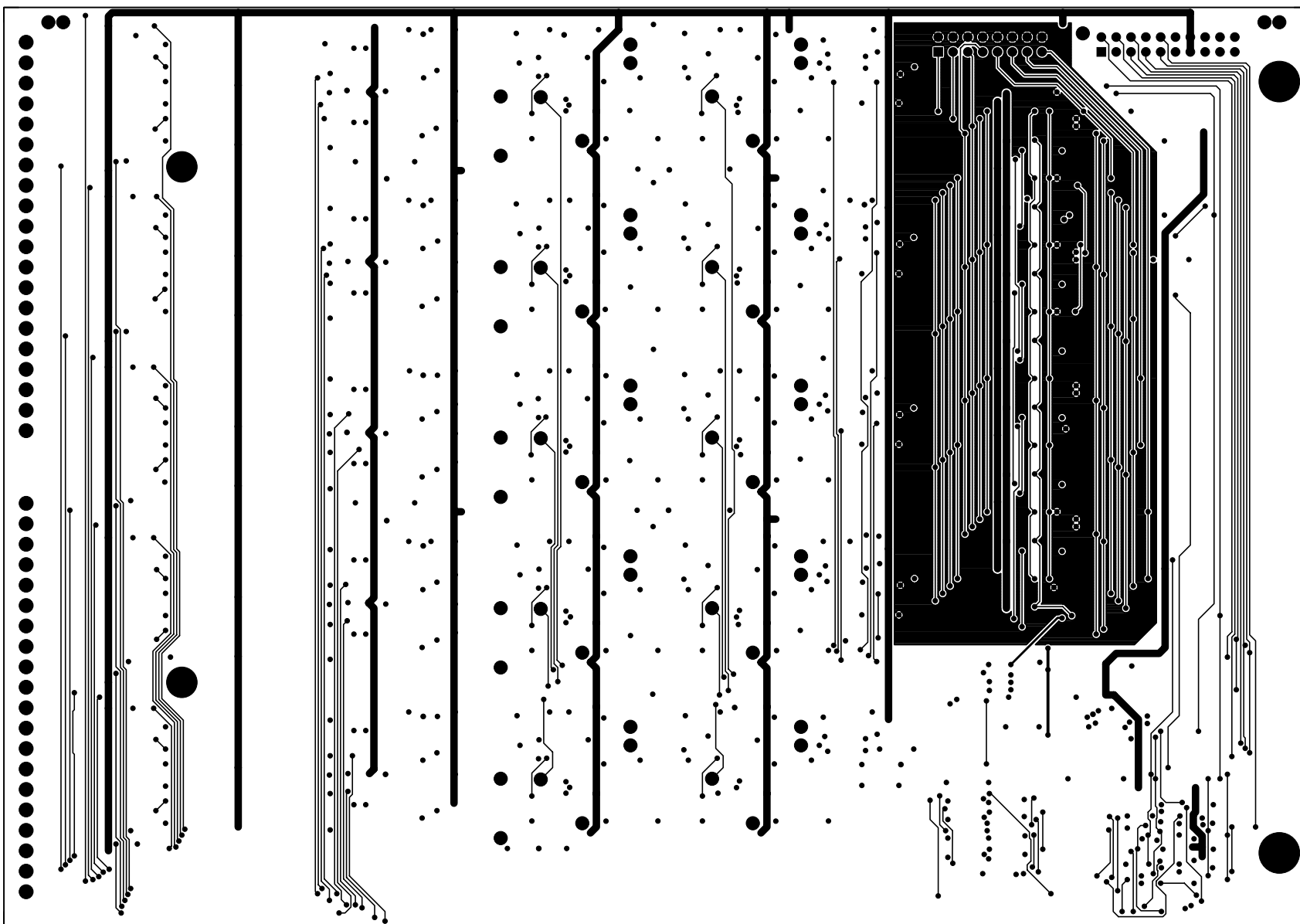
BRDL1 PRIMARY SIDE			
			Ivie Technologies, Inc.
			June 11, 2004
			# 065-1970 REV D



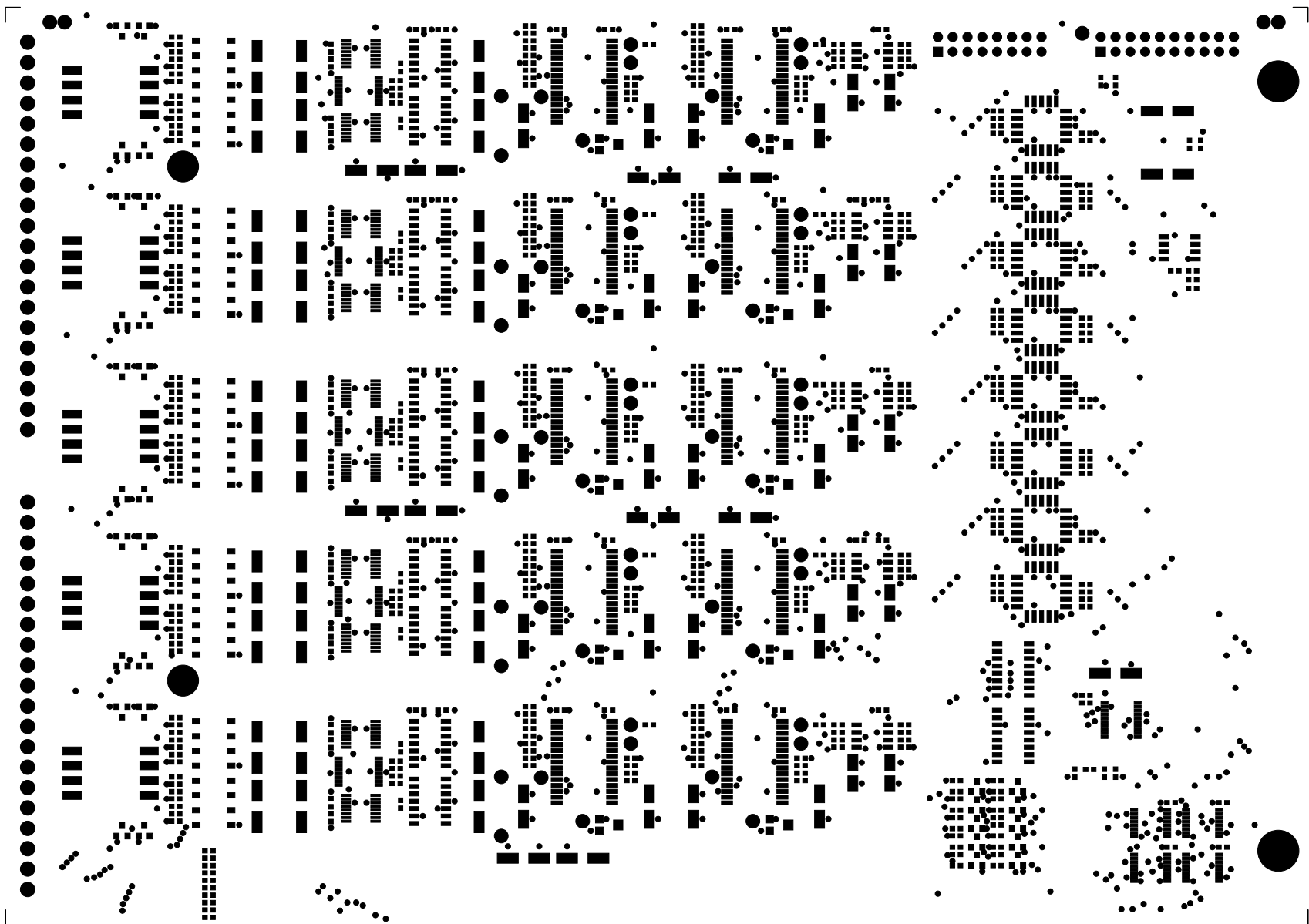
	BRDL2 PLANE_GND	
		Ivie Technologies, Inc.
		June 11, 2004
		# 065-1970 REV D



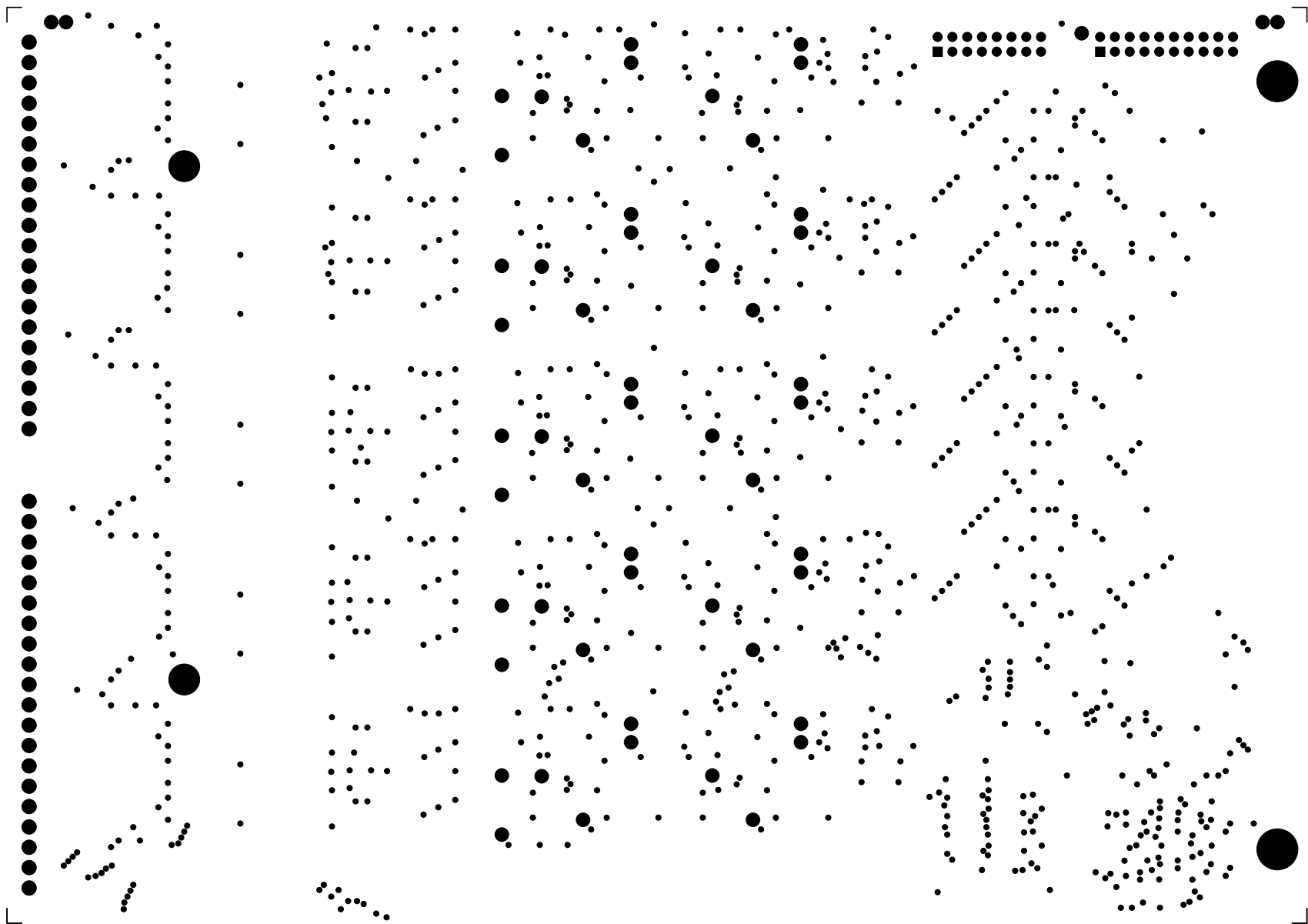
		BRDL3 PLANE_+5V
		Ivie Technologies, Inc.
		June 11, 2004
		# 065-1970 REV D



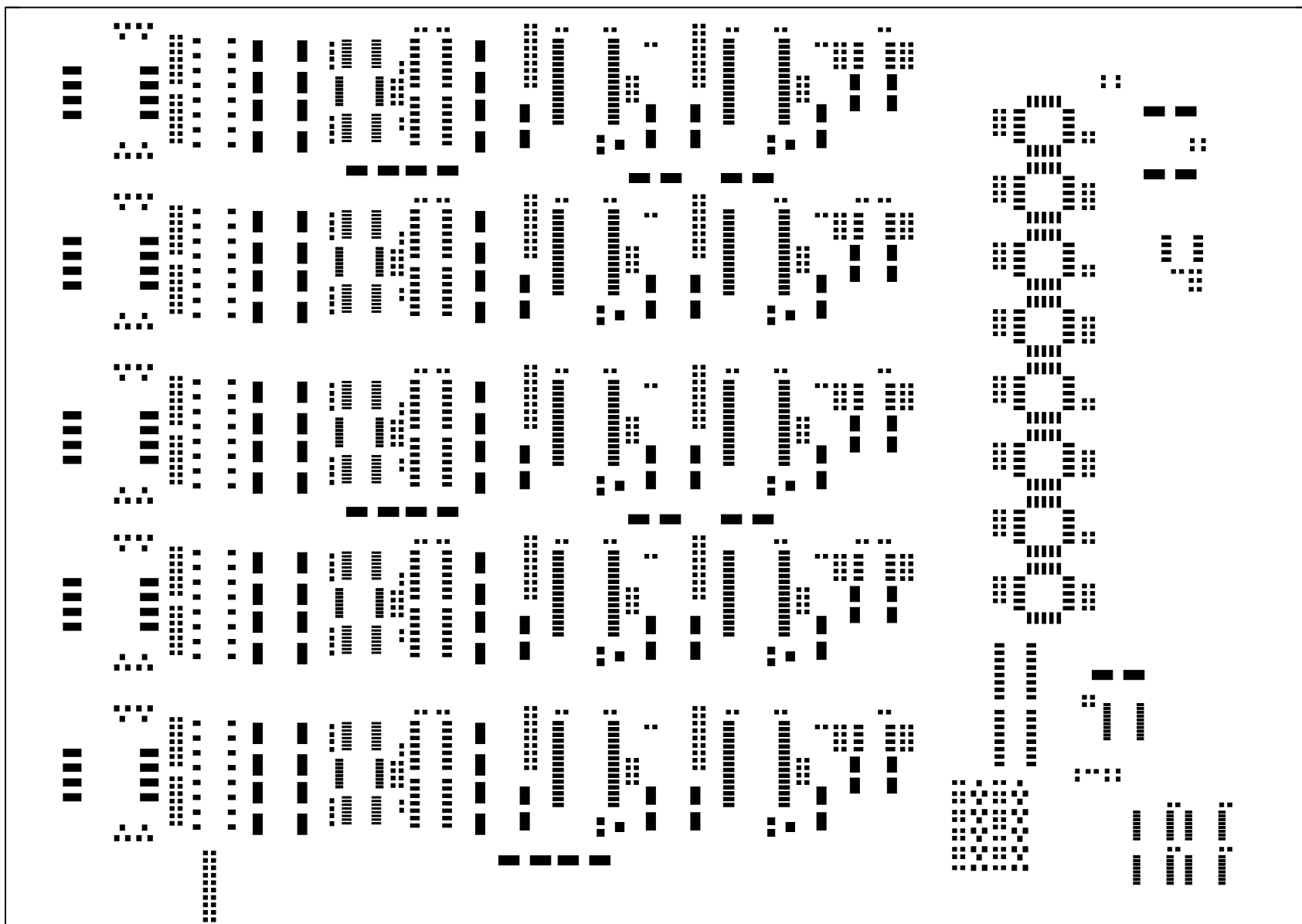
		BRDL4 SECONDARY SIDE
		Ivie Technologies, Inc.
		June 11, 2004
		# 065-1970 REV D



		Ivie Technologies, Inc.
		June 11, 2004
		SOLDER MASK TOP # 065-1970 REV D



		Ivie Technologies, Inc.
		SOLDER MASK BOTTOM June 11, 2004
		# 065-1970 REV D



		Ivie Technologies, Inc.
PASTE MASK TOP		June 11, 2004
		# 065-1970 REV D

Ivie Technologies

005-1970 Rev D 1026 Input Board Bill Of Materials

06/14/2004



Parts List for Assembly P/N: 005-1970_D

Printed 6/14/2004

005-1970_D

Assembly, 1026 Universal Input Board

Type	PL	Size
Revision	D	Profile
Status	U	Tooling
Date	6/14/2004	Artwork
By		Stock Bin

Item	Qty	P/N	Title	Size	Reference(m)
1	1	065-1970	PCB, 1026 Input Daughter		
2	52	107-0020	SMT Cap, 0.1uF, 25v, Y5V, 0603	0603	C0109 C0111 C0113 C0121 C0221 C0309 C0311 C0313 C0321 C0421 C0509 C0511 C0513 C0521 C0621 C0709 C0711 C0713 C0721 C0821 C0909 C0911 C0913 C0921 C1021 DC0103 DC0104 DC0203 DC0204 DC0303 DC0304 DC0403 DC0404 DC0503 DC0504 DC0603 DC0604 DC0703 DC0704 DC0803 DC0804 DC0903 DC0904 DC1003 DC1004 DC1403 DC1413 DC1501 DC1502 DC1503 DC1504 DC1505
3	30	107-0080	SMT Cap, 470pF, 50v, X7R,10%, 0603	0603	C0101 C0102 C0105 C0201 C0202 C0205 C0301 C0302 C0305 C0401 C0402 C0405 C0501 C0502 C0505 C0601 C0602 C0605 C0701 C0702 C0705 C0801 C0802 C0805 C0901 C0902 C0905 C1001 C1002 C1005
4	10	107-0090	SMT Cap, .047UF, 25v, X7R,10%, 0603	0603	C0124 C0224 C0324 C0424 C0524 C0624 C0724 C0824 C0924 C1024
5	11	107-0100	SMT Cap, 47pF, 50v, NPO, 5%, 0603	0603	C1 C0123 C0223 C0323 C0423 C0523 C0623 C0723 C0823 C0923 C1023
6	10	107-X090	SMT Cap, 2200pF, 50v, X7R, 0603	0603	C01 C02 C03 C04 C05 C06 C07 C08 C09 C10
7	10	109-0010	SMT Elec, 1UF, 50v, 4mm Dia Case	4mm Dia	C0120 C0220 C0320 C0420 C0520 C0620 C0720 C0820 C0920 C1020
8	20	109-0020	SMT Elec, 10UF, 25v, 5mm Dia Case	5mm Dia	C0122 C0125 C0222 C0225 C0322 C0325 C0422 C0425 C0522 C0525 C0622 C0625 C0722 C0725 C0822 C0825 C0922 C0925 C1022 C1025
9	43	109-0030	SMT Elec, 22UF, 25v, 6.3mm Dia Case	6.3mm Dia	C0103 C0104 C0108 C0110 C0112 C0203 C0204 C0208 C0303 C0304 C0308 C0310 C0312 C0403 C0404 C0408 C0503 C0504 C0508 C0510 C0512 C0603 C0604 C0608 C0703 C0704 C0708 C0710 C0712 C0803 C0804 C0808 C0903 C0904 C0908 C0910 C0912 C1003 C1004 C1008 C2 C3 DC1506
10	10	123-0010	SMT POT, Cermet Trimmer, 50K, 3mm	3mm	R0121 R0221 R0321 R0421 R0521 R0621 R0721 R0821 R0921 R1021
11	51	127-0030	SMT Res, 10.0K, 1/16w, 1%, 0603	0603	R0105 R0106 R0205 R0206 R0305 R0306 R0405 R0406 R0505 R0506 R0605 R0606 R0705 R0706 R0805 R0806 R0905 R0906 R1005 R1006 R1501 R1502 R1503 R1511 R1512 R1513 R1521 R1522 R1523 R1531 R1532 R1533 R1541 R1542 R1543 R1551 R1552 R1553 R1561 R1562 R1563 R1571 R1572 R1573 R1581 R1582 R1583 R1591 R1592 R1593 R1599
12	11	127-0480	SMT Res, 137K, 1/16w, 1%, 0603	0603	R0125 R0225 R0325 R0425 R0525 R0625 R0725 R0825 R0925 R1025 R1401

Parts List for Assembly P/N: 005-1970_D
Assembly, 1026 Universal Input Board

005-1970_D
Rev D
Printed 6/14/2004

Item	Qty	P/N	Title	Size	Reference(m)
13	10	127-0555	SMT Res, 14.3, 1/16w, 1%, 0603	0603	R0108 R0208 R0308 R0408 R0508 R0608 R0708 R0808 R0908 R1008
14	10	127-0675	SMT Res, 154, 1/16w, 1%, 0603	0603	R0107 R0207 R0307 R0407 R0507 R0607 R0707 R0807 R0907 R1007
15	56	127-0980	SMT Res, 2.00K, 1/16w, 1%, 0603	0603	R1301 R1302 R1303 R1304 R1307 R1308 R1311 R1312 R1313 R1314 R1315 R1316 R1317 R1318 R1321 R1322 R1323 R1324 R1327 R1328 R1331 R1332 R1333 R1334 R1335 R1336 R1337 R1338 R1601 R1602 R1603 R1604 R1607 R1608 R1611 R1612 R1613 R1614 R1615 R1616 R1617 R1618 R1621 R1622 R1623 R1624 R1627 R1628 R1631 R1632 R1633 R1634 R1635 R1636 R1637 R1638
16	20	127-0990	SMT Res, 20.0K, 1/16w, 1%, 0603	0603	R0120 R0124 R0220 R0224 R0320 R0324 R0420 R0424 R0520 R0524 R0620 R0624 R0720 R0724 R0820 R0824 R0920 R0924 R1020 R1024
17	10	127-1010	SMT Res, 2.00M, 1/16w, 1%, 0603	0603	R0129 R0229 R0329 R0429 R0529 R0629 R0729 R0829 R0929 R1029
18	10	127-1190	SMT Res, 22.6K, 1/16w, 1%, 0603	0603	R0127 R0227 R0327 R0427 R0527 R0627 R0727 R0827 R0927 R1027
19	10	127-1310	SMT Res, 2.49K, 1/16w, 1%, 0603	0603	R0199 R0299 R0399 R0499 R0599 R0699 R0799 R0899 R0999 R1099
20	10	127-1370	SMT Res, 255K, 1/16w, 1%, 0603	0603	R0131 R0231 R0331 R0431 R0531 R0631 R0731 R0831 R0931 R1031
21	10	127-1550	SMT Res, 29.4K, 1/16w, 1%, 0603	0603	R0132 R0232 R0332 R0432 R0532 R0632 R0732 R0832 R0932 R1032
22	10	127-1590	SMT Res, 301K, 1/16w, 1%, 0603	0603	R0122 R0222 R0322 R0422 R0522 R0622 R0722 R0822 R0922 R1022
23	30	127-2220	SMT Res, 4.99K, 1/16w, 1%, 0603	0603	R0128 R0130 R0198 R0228 R0230 R0298 R0328 R0330 R0398 R0428 R0430 R0498 R0528 R0530 R0598 R0628 R0630 R0698 R0728 R0730 R0798 R0828 R0830 R0898 R0928 R0930 R0998 R1028 R1030 R1098
24	12	127-2265	SMT Res, 51.1, 1/16w, 1%, 0603	0603	R0123 R0223 R0323 R0423 R0523 R0623 R0723 R0823 R0923 R1023 R1402
25	10	127-2400	SMT Res, 549K, 1/16w, 1%, 0603	0603	R0126 R0226 R0326 R0426 R0526 R0626 R0726 R0826 R0926 R1026
26	20	127-2420	SMT Res, 56.2K, 1/16w, 1%, 0603	0603	R0101 R0102 R0201 R0202 R0301 R0302 R0401 R0402 R0501 R0502 R0601 R0602 R0701 R0702 R0801 R0802 R0901 R0902 R1001 R1002
27	32	127-2490	SMT Res, 604, 1/16w, 1%, 0603	0603	R0103 R0104 R0133 R0203 R0204 R0233 R0303 R0304 R0333 R0403 R0404 R0433 R0503 R0504 R0533 R0603 R0604 R0633 R0703 R0704 R0733 R0803 R0804 R0833 R0903 R0904 R0933 R1003 R1004 R1033 R1340 R1341
28	20	152-0020	SMT Transistor, NPN, 2N3904	SOT-23	Q1501 Q1503 Q1511 Q1513 Q1521 Q1523 Q1531 Q1533 Q1541 Q1543 Q1551 Q1553 Q1561 Q1563 Q1571 Q1573 Q1581 Q1583 Q1591 Q1593
29	10	152-0030	SMT Transistor, PNP, 2N3906	SOT-23	Q1502 Q1512 Q1522 Q1532 Q1542 Q1552 Q1562 Q1572 Q1582 Q1592

Parts List for Assembly P/N: 005-1970_D
Assembly, 1026 Universal Input Board

005-1970_D
Rev D
Printed 6/14/2004

Item	Qty	P/N	Title	Size	Reference(m)
30	20	180-0110	Relay, SMT, PhotoMOS, 25ohm	SOP	S011 S012 S021 S022 S031 S032 S041 S042 S051 S052 S061 S062 S071 S072 S081 S082 S091 S092 S101 S102
31	5	186-0050	SMT, Common Mode Choke, 100uH	.600 x .475 " (cube)	L0101 L0301 L0501 L0701 L0901
32	2	407-1060	Header, Screw Terminal, 20pin, 3.5mm Pitch	3.5mm Pitch	J402 J403
33	6	430-0010	SMT IC, MC33078, Low Noise Dual Op Amp	8pin SOIC	U0104 U0304 U0504 U0704 U0904 U1403
34	10	430-0090	SMT IC, ESD Protector, PACUSB200	QSOP-16	U0101 U0201 U0301 U0401 U0501 U0601 U0701 U0801 U0901 U1001
35	10	430-0110	SMT IC, Low Noise Inst Amp, TI INA163UA	SO-14	U0102 U0202 U0302 U0402 U0502 U0602 U0702 U0802 U0902 U1002
36	1	430-0120	SMT IC, AD8804ARU, DAC, 8-Bit, 12-Ch	TSSOP-20	U1505
37	10	430-0130	SMT IC, THAT4301S, Analog Engine	30-pin SOIC. .3" Wide	U0103 U0203 U0303 U0403 U0503 U0603 U0703 U0803 U0903 U1003
38	4	430-0140	SMT IC, DG485DN, Octal Analog Switch	20pin PLCC	U1301 U1302 U1303 U1304
39	4	430-0150	SMT IC, MC74HC595ADT, 8bit Shift Reg	TSSOP-16	U1501 U1502 U1503 U1504
40	2	430-0160	SMT IC, DG408, 8:1 Analog Mux	16pin Narrow SO	U1401 U1402
41	5	430-0170	SMT IC, MAX4602CAE, Quad Analog Sw	SSOP16	S0201 S0401 S0601 S0801 S1001
42	1	672-0435	Cable, Assembly, Ribbon, 16cond	Len 7"	J101
43	1	672-0440	Cable, Assembly, Ribbon, 20cond	Len 2"	J102
44	8	999-9998	OPTIONAL_PARTS - DO NOT LOAD -		R2 R3 R4 R5 U1601 U1602 U1603 U1604
45	54	999-9999	HOLES and FIDUCIALS - DO NOT LOAD		CDO1 CDO10 CDO2 CDO3 CDO4 CDO5 CDO6 CDO7 CDO8 CDO9 LVL1 LVL10 LVL2 LVL3 LVL4 LVL5 LVL6 LVL7 LVL8 LVL9 MT22 MT23 MT25 MT26 PRE01 PRE02 PRE03 PRE04 PRE05 PRE06 PRE07 PRE08 PRE09 PRE10 VCA1 VCA10 VCA2 VCA3 VCA4 VCA5 VCA6 VCA7 VCA8 VCA9 VCAO1 VCAO10 VCAO2 VCAO3 VCAO4 VCAO5 VCAO6 VCAO7 VCAO8 VCAO9

Ivie Technologies

005-1970 Rev D 1026 Input Board Suggested Vendors

06/14/2004



005-1970_D

Assembly, 1026 Universal Input Board

Type	PL	Size
Revision	D	Profile
Status	U	Tooling
Date	6/14/2004	Artwork
By		Stock Bin

Item	Qty	P/N	Title	Ref(m)
Top		005-1970_D	Assembly, 1026 Universal Input Board	
1	1	065-1970	PCB, 1026 Input Daughter	
2	52	107-0020	SMT Cap, 0.1uF, 25v, Y5V, 0603	C0109 C0111 C0113 C0121 C0221 C0309 C0311 C0313 C0321 C0421 C0509 C0511 C0513 C0521 C0621 C0709 C0711 C0713 C0721 C0821 C0909 C0911 C0913 C0921 C1021 DC0103 DC0104 DC0203 DC0204 DC0303 DC0304 DC0403 DC0404 DC0503 DC0504 DC0603 DC0604 DC0703 DC0704 DC0803 DC0804 DC0903 DC0904 DC1003 DC1004 DC1403 DC1413 DC1501 DC1502 DC1503 DC1504 DC1505
Arrow				
Meritek				SMT Cer Cap, 0.1uF, 25v, MA 0603YV104Z250
Digi-Key				PCC1794TR-ND
Panasonic				SMT Cer Cap, 0.1uF, 25v, ECJ-1VF1E104Z
Digi-Key				PCC1794CT-ND
Panasonic				SMT Cer Cap, 0.1uF, 25v, ECJ-1VF1E104Z
Future				
Murata				SMT Cer Cap, 0.1uF, 50v, GRM39Y5V104Z25C500
Walker (IEC)				
Meritek				SMT Cer Cap, 0.1uF, 50v, MA 0603YV104Z500
Walker (IEC)				
Meritek				SMT Cer Cap, 0.1uF, 25v, MA 0603YV104Z250

Item	Qty	P/N	Title	Ref(m)
3	30	107-0080	SMT Cap, 470pF, 50v, X7R,10%, 0603	C0101 C0102 C0105 C0201 C0202 C0205 C0301 C0302 C0305 C0401 C0402 C0405 C0501 C0502 C0505 C0601 C0602 C0605 C0701 C0702 C0705 C0801 C0802 C0805 C0901 C0902 C0905 C1001 C1002 C1005
			Avnet Electronics Mktg	06035A471KAT2A 6wks SMT Cap, 470pF, 50v, 2/6/2001
			AVX	06035C471KAT2A
			Digi-Key	PCC1950CT-ND 4/16/01 SMT Cap, 470pF, 100v, 2/6/2001
			Panasonic	ECJ-1VB2A471K
			Future	06035A471KAT2A SMT Cap, 470pF, 50v, 06035C471KAT2A
			AVX	
			Mouser Electronics	140-CC504B471K/REEL STOCK SMT Cap, 470pF, 50v, 2/6/2001
			Xicon	CC504B471K
			Mouser Electronics	140-CC504B471K STOCK SMT Cap, 470pF, 50v, 2/6/2001
			Xicon	CC504B471K
			Walker (IEC)	MA 0603XR471K500 SMT Cap, 470pF, 50v,
			Meritek	MA 0603XR471K500

Item	Qty	P/N	Title	Ref(m)
4	10	107-0090	SMT Cap, .047UF, 25v, X7R,10%, 0603	C0124 C0224 C0324 C0424 C0524 C0624 C0724 C0824 C0924 C1024
			Avnet Electronics Mktg	06033A473KAT2A 6wks
			AVX	SMT Cap, .047UF, 25v, 2/6/2001
			Digi-Key	PCC1771TR-ND
			Panasonic	SMT Cap, 47000pF, 25v, ECJ-1VB1E473K
			Future	06033A473KAT2A
			AVX	SMT Cap, .047UF, 25v, 06033C473KAT2A
			Mouser Electronics	77-VJ06Y25V473K STOCK
			Vishay	SMT Cap, 47000pF, 25v, 2/6/2001
			Walker (IEC)	MA 0603XR473K250
			Meritek	SMT Cap, .047UF, 25v, MA 0603XR473K250
5	11	107-0100	SMT Cap, 47pF, 50v, NPO, 5%, 0603	C1 C0123 C0223 C0323 C0423 C0523 C0623 C0723 C0823 C0923 C1023
			Avnet Electronics Mktg	06035A470JAT2A
			AVX	SMT Cap, 47PF, 50v, 06035A470JAT2A
			Digi-Key	PCC470ACVTR-ND
			Panasonic	SMT Cap, 47pF, 50v, ECU-V1H470JCV
			Future	06035A470JAT2A
			AVX	SMT Cap, 47PF, 50v, 06035A470JAT2A
			Mouser Electronics	140-CC504N470J/REEL
			Xicon	SMT Cap, 47pF, 50v,
			Walker (IEC)	MA 0603CG470J500
			Meritek	SMT Cap, 47PF, 50v, MA 0603CG470J500

Item	Qty	P/N	Title	Ref(m)
6	10	107-X090	SMT Cap, 2200pF, 50v, X7R, 0603	C01 C02 C03 C04 C05 C06 C07 C08 C09 C10
				Digi-Key PCC1776CT-ND
				Panasonic SMT Cap, 2200pF, 50v, ECJ-1VB1H222K
				Future
				AVX SMT Cap, 2200pF, 50v, 06035C222KAT2A
				Future NPO (COG) - OVERKILL - SMT Cap, 2200pF, 50v, 06035A222JAT2A
7	10	109-0010	SMT Elec, 1UF, 50v, 4mm Dia Case	C0120 C0220 C0320 C0420 C0520 C0620 C0720 C0820 C0920 C1020
				Future UWX1H010MCR1GB
				Nichicon SMT Elect, 1UF, 50v, 4mm UWX1H010MCR1GB
				Walker (IEC)
				Cornell Dubilier SMT Elect, 1UF, 50v, 4mm AVS105M50B12T
				Walker (IEC)
				Illinois Cap SMT Elect, 1UF, 50v, 4mm 105SMH050M
				Walker (IEC) SRB50V1R0MTAD55
				Meritek SMT Elect, 1UF, 50v, D55 SRB50V1R0MTAD55

Item	Qty	P/N	Title	Ref(m)
8	20	109-0020	SMT Elec, 10UF, 25v, 5mm Dia Case	C0122 C0125 C0222 C0225 C0322 C0325 C0422 C0425 C0522 C0525 C0622 C0625 C0722 C0725 C0822 C0825 C0922 C0925 C1022 C1025
			Future	UWX1E100MCR1GB
			Nichicon	SMT Elect, 10UF, 25v, UWX1E100MCR1GB
			Walker (IEC)	
			Cornell Dubilier	SMT Elect, 10UF, 25v, AVS106M25C12T
			Walker (IEC)	Upgrade - 35v vs 25v
			Illinois Cap	SMT Elect, 10UF, 35v, 106SMH035M
			Walker (IEC)	SRB25V100MTAE55
			Meritek	SMT Elect, 10UF, 25v, E55 SRB25V100MTAE55
9	43	109-0030	SMT Elec, 22UF, 25v, 6.3mm Dia Case	C0103 C0104 C0108 C0110 C0112 C0203 C0204 C0208 C0303 C0304 C0308 C0310 C0312 C0403 C0404 C0408 C0503 C0504 C0508 C0510 C0512 C0603 C0604 C0608 C0703 C0704 C0708 C0710 C0712 C0803 C0804 C0808 C0903 C0904 C0908 C0910 C0912 C1003 C1004 C1008 C2 C3 DC1506
			Future	UWX1E220MCR1GB
			Nichicon	SMT Elect, 22UF, 25v, UWX1E220MCR1GB
			Walker (IEC)	
			Cornell Dubilier	SMT Elect, 22UF, 25v, AVS226M25D16T
			Walker (IEC)	Upgrade - 35v vs 25v
			Illinois Cap	SMT Elect, 22UF, 35v, 226SMH035M
			Walker (IEC)	SRB25V220MTAF55
			Meritek	SMT Elect, 22UF, 25v, F55 SRB25V220MTAF55

Item	Qty	P/N	Title	Ref(m)
10	10	123-0010	SMT POT, Cermet Trimmer, 50K, 3mm	R0121 R0221 R0321 R0421 R0521 R0621 R0721 R0821 R0921 R1021
				Future Tape and Reel
				BI Tech (Beckman) SMT POT,Cermet 22AR50K-TR
				Future SMT POT,Cermet
				Vishay - Spectrol 3H-50K
11	51	127-0030	SMT Res, 10.0K, 1/16w, 1%, 0603	R0105 R0106 R0205 R0206 R0305 R0306 R0405 R0406 R0505 R0506 R0605 R0606 R0705 R0706 R0805 R0806 R0905 R0906 R1005 R1006 R1501 R1502 R1503 R1511 R1512 R1513 R1521 R1522 R1523 R1531 R1532 R1533 R1541 R1542 R1543 R1551 R1552 R1553 R1561 R1562 R1563 R1571 R1572 R1573 R1581 R1582 R1583 R1591 R1592 R1593 R1599
				Avnet Electronics Mktg 9C06031A1002FKRT/R 0603, 1/16W, 10.0K, 1%, Phillips Components 9C06031A1002FKRT/R
				Digi-Key P10.0KHTR-ND SMT Res, 10.0K, 1/16w, Panasonic ERJ-3EKF1002V
				Future SMT Res, 10.0K, 1/16w, AVX CR10-1002F-T
				Future SMT Res, 10.0K, 1/16w, Vishay - Dale CRCW0603-1002FRT1
12	11	127-0480	SMT Res, 137K, 1/16w, 1%, 0603	R0125 R0225 R0325 R0425 R0525 R0625 R0725 R0825 R0925 R1025 R1401
				Avnet Electronics Mktg 9C06031A1373FKRT/R 0603, 1/16W, 137K, 1%, Phillips Components 9C06031A1373FKRT/R
				Digi-Key P137KHTR-ND SMT Res, 137K, 1/16w, Panasonic ERJ-3EKF1373V
				Future SMT Res, 137K, 1/16w, Vishay - Dale CRCW0603-1373FRT1

Item	Qty	P/N	Title	Ref(m)
13	10	127-0555	SMT Res, 14.3, 1/16w, 1%, 0603	R0108 R0208 R0308 R0408 R0508 R0608 R0708 R0808 R0908 R1008
				Avnet Electronics Mktg 9C06031A14R3FKRT/R
				0603, 1/16W, 14.3, 1%, 5K
				Phillips Components 9C06031A14R3FKRT/R
				Digi-Key P14.3HTR-ND
				SMT Res, 14.3, 1/16w, 1%, Panasonic ERJ-3EKF14.3V
14	10	127-0675	SMT Res, 154, 1/16w, 1%, 0603	R0107 R0207 R0307 R0407 R0507 R0607 R0707 R0807 R0907 R1007
				Avnet Electronics Mktg 9C06031A1540FKRT/R
				0603, 1/16W, 154, 1%, 5K
				Phillips Components 9C06031A1540FKRT/R
				Digi-Key P154HTR-ND
				SMT Res, 154, 1/16w, 1%, Panasonic ERJ-3EKF154V
				Future
				SMT Res, 14.3, 1/16w, 1%, Vishay - Dale CRCW0603-14R3FRT1
				Future
				SMT Res, 154, 1/16w, 1%, Vishay - Dale CRCW0603-1540FRT1

Item	Qty	P/N	Title	Ref(m)
15	56	127-0980	SMT Res, 2.00K, 1/16w, 1%, 0603	R1301 R1302 R1303 R1304 R1307 R1308 R1311 R1312 R1313 R1314 R1315 R1316 R1317 R1318 R1321 R1322 R1323 R1324 R1327 R1328 R1331 R1332 R1333 R1334 R1335 R1336 R1337 R1338 R1601 R1602 R1603 R1604 R1607 R1608 R1611 R1612 R1613 R1614 R1615 R1616 R1617 R1618 R1621 R1622 R1623 R1624 R1627 R1628 R1631 R1632 R1633 R1634 R1635 R1636 R1637 R1638
				Avnet Electronics Mktg 9C06031A2001FKRT/R 0603, 1/16W, 2.00K, 1%, Phillips Components 9C06031A2001FKRT/R
				Digi-Key P2.00KHTR-ND SMT Res, 2.00K, 1/16w, Panasonic ERJ-3EKF2001V
				Future Vishay - Dale SMT Res, 2.00K, 1/16w, CRCW0603-2001FRT1
16	20	127-0990	SMT Res, 20.0K, 1/16w, 1%, 0603	R0120 R0124 R0220 R0224 R0320 R0324 R0420 R0424 R0520 R0524 R0620 R0624 R0720 R0724 R0820 R0824 R0920 R0924 R1020 R1024
				Avnet Electronics Mktg 9C06031A2001FKRT/R 0603, 1/16W, 20.0K, 1%, Phillips Components 9C06031A2002FKRT/R
				Digi-Key P20.0KHTR-ND SMT Res, 20.0K, 1/16w, Panasonic ERJ-3EKF2002V
				Future Vishay - Dale SMT Res, 20.0K, 1/16w, CRCW0603-2002FRT1

Item	Qty	P/N	Title	Ref(m)
17	10	127-1010	SMT Res, 2.00M, 1/16w, 1%, 0603	R0129 R0229 R0329 R0429 R0529 R0629 R0729 R0829 R0929 R1029
			Avnet Electronics Mktg	9C06031A2004FKRT/R
			Phillips Components	0603, 1/16W, 2.00M, 1%, 9C06031A2004FKRT/R
			Digi-Key	P2.00MHTR-ND
			Panasonic	SMT Res, 2.00M, 1/16w, ERJ-3EKF2005V
			Future	
			Vishay - Dale	SMT Res, 2.00M, 1/16w, CRCW0603-2004FRT1
18	10	127-1190	SMT Res, 22.6K, 1/16w, 1%, 0603	R0127 R0227 R0327 R0427 R0527 R0627 R0727 R0827 R0927 R1027
			Avnet Electronics Mktg	9C06031A2262FKRT/R
			Phillips Components	0603, 1/16W, 22.6K, 1%, 9C06031A2262FKRT/R
			Digi-Key	P22.6KMHTR-ND
			Panasonic	SMT Res, 22.6K, 1/16w, ERJ-3EKF2262V
			Future	
			Vishay - Dale	SMT Res, 22.6K, 1/16w, CRCW0603-2262FRT1
19	10	127-1310	SMT Res, 2.49K, 1/16w, 1%, 0603	R0199 R0299 R0399 R0499 R0599 R0699 R0799 R0899 R0999 R1099
			Avnet Electronics Mktg	9C06031A2491FKRT/R
			Phillips Components	0603, 2.49K, 1/16W, 1%, 9C06031A2491FKRT/R
			Digi-Key	P2.49KMHTR-ND
			Panasonic	SMT Res, 2.49K, 1/16w, ERJ-3EKF24291V
			Future	
			Vishay - Dale	SMT Res, 2.49K, 1/16w, CRCW0603-2491FRT1

Item	Qty	P/N	Title	Ref(m)
20	10	127-1370	SMT Res, 255K, 1/16w, 1%, 0603	R0131 R0231 R0331 R0431 R0531 R0631 R0731 R0831 R0931 R1031
			Avnet Electronics Mktg	9C06031A2553FKRT/R 0603, 1/16W, 255K 1%, 5K
			Phillips Components	9C06031A2553FKRT/R
			Digi-Key	P255KMHTR-ND SMT Res, 255K, 1/16w,
			Panasonic	ERJ-3EKF2553V
			Future	
			Vishay - Dale	SMT Res, 255K, 1/16w, CRCW0603-2553FRT1
21	10	127-1550	SMT Res, 29.4K, 1/16w, 1%, 0603	R0132 R0232 R0332 R0432 R0532 R0632 R0732 R0832 R0932 R1032
			Avnet Electronics Mktg	9C06031A2942FKRT/R 0603, 1/16W, 29.4K, 1%,
			Phillips Components	9C06031A2942FKRT/R
			Digi-Key	P29.4KMHTR-ND SMT Res, 29.4K, 1/16w,
			Panasonic	ERJ-3EKF2942V
			Future	
			Vishay - Dale	SMT Res, 29.4K, 1/16w, CRCW0603-2942FRT1
22	10	127-1590	SMT Res, 301K, 1/16w, 1%, 0603	R0122 R0222 R0322 R0422 R0522 R0622 R0722 R0822 R0922 R1022
			Avnet Electronics Mktg	9C06031A3013FKRT/R 0603, 1/16W, 301K, 1%,
			Phillips Components	9C06031A3013FKRT/R
			Digi-Key	P301KMHTR-ND SMT Res, 301K, 1/16w,
			Panasonic	ERJ-3EKF3013V
			Future	
			Vishay - Dale	SMT Res, 301K, 1/16w, CRCW0603-3013FRT1

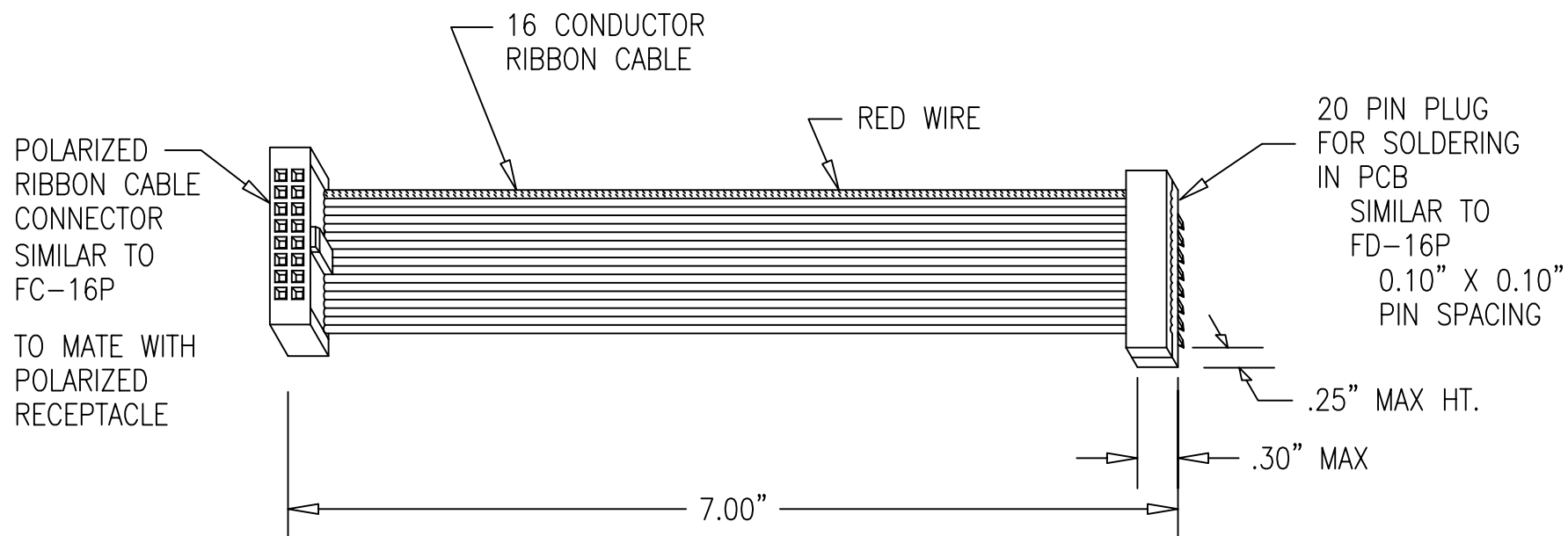
Item	Qty	P/N	Title	Ref(m)
23	30	127-2220	SMT Res, 4.99K, 1/16w, 1%, 0603	R0128 R0130 R0198 R0228 R0230 R0298 R0328 R0330 R0398 R0428 R0430 R0498 R0528 R0530 R0598 R0628 R0630 R0698 R0728 R0730 R0798 R0828 R0830 R0898 R0928 R0930 R0998 R1028 R1030 R1098
			Avnet Electronics Mktg	9C06031A4991FKRT/R 0603, 1/16W, 4.99K, 1%,
			Phillips Components	9C06031A4991FKRT/R
			Digi-Key	P4.99KMHTR-ND SMT Res, 4.99K, 1/16w,
			Panasonic	ERJ-3EKF4991V
			Future	
			Vishay - Dale	SMT Res, 4.99K, 1/16w, CRCW0603-4991FRT1
24	12	127-2265	SMT Res, 51.1, 1/16w, 1%, 0603	R0123 R0223 R0323 R0423 R0523 R0623 R0723 R0823 R0923 R1 R1023 R1402
			Avnet Electronics Mktg	9C06031A51R1FKRT/R 0603, 1/16W, 14.3, 1%, 5K
			Phillips Components	9C06031A51R1FKRT/R
			Digi-Key	P51.1HTR-ND SMT Res, 14.3, 1/16w, 1%,
			Panasonic	ERJ-3EKF51.1V
			Future	
			Vishay - Dale	SMT Res, 51.1, 1/16w, 1%, CRCW0603-51R1FRT1
25	10	127-2400	SMT Res, 549K, 1/16w, 1%, 0603	R0126 R0226 R0326 R0426 R0526 R0626 R0726 R0826 R0926 R1026
			Avnet Electronics Mktg	9C06031A4991FKRT/R 0603, 1/16W, 549K, 1%,
			Phillips Components	9C06031A5493FKRT/R
			Digi-Key	P549KMHTR-ND SMT Res, 549K, 1/16w,
			Panasonic	ERJ-3EKF5493V
			Future	
			Vishay - Dale	SMT Res, 549K, 1/16w, CRCW0603-5493FRT1

Item	Qty	P/N	Title	Ref(m)
26	20	127-2420	SMT Res, 56.2K, 1/16w, 1%, 0603	R0101 R0102 R0201 R0202 R0301 R0302 R0401 R0402 R0501 R0502 R0601 R0602 R0701 R0702 R0801 R0802 R0901 R0902 R1001 R1002
				Avnet Electronics Mktg 9C06031A5622FKRT/R 0603, 1/16W, 56.2K,, 1%, Phillips Components 9C06031A5622FKRT/R
				Digi-Key P56.2K,KMHTR-ND SMT Res, 56.2K, 1/16w, Panasonic ERJ-3EKF5622V
				Future SMT Res, 56.2K, 1/16w, Vishay - Dale CRCW0603-5622FRT1
27	32	127-2490	SMT Res, 604, 1/16w, 1%, 0603	R0103 R0104 R0133 R0203 R0204 R0233 R0303 R0304 R0333 R0403 R0404 R0433 R0503 R0504 R0533 R0603 R0604 R0633 R0703 R0704 R0733 R0803 R0804 R0833 R0903 R0904 R0933 R1003 R1004 R1033 R1340 R1341
				Avnet Electronics Mktg 9C06031A6040FKRT/R 0603, 1/16W, 604, 1%, 5K Phillips Components 9C06031A6040FKRT/R
				Digi-Key P604HTR-ND SMT Res, 604, 1/16w, 1%, Panasonic ERJ-3EKF6040V
				Future SMT Res, 604, 1/16w, 1%, Vishay - Dale CRCW0603-6040FRT1
28	20	152-0020	SMT Transistor, NPN, 2N3904	Q1501 Q1503 Q1511 Q1513 Q1521 Q1523 Q1531 Q1533 Q1541 Q1543 Q1551 Q1553 Q1561 Q1563 Q1571 Q1573 Q1581 Q1583 Q1591 Q1593
				Future SMT Transistor, NPN, Philips Semiconductor PMBT3904
29	10	152-0030	SMT Transistor, PNP, 2N3906	Q1502 Q1512 Q1522 Q1532 Q1542 Q1552 Q1562 Q1572 Q1582 Q1592
				Future SMT Transistor, PNP, Philips Semiconductor PMBT3906

Item	Qty	P/N	Title	Ref(m)		
30	20	180-0110	Relay, SMT, PhotoMOS, 25ohm	S011 S012 S021 S022 S031 S032 S041 S042 S051 S052 S061 S062 S071 S072 S081 S082 S091 S092 S101 S102		
				Future	AQY210S = 100p TUBE, PhotoMOS Relay, 4pin	
				Aromat	AQY210S	
31	5	186-0050	SMT, Common Mode Choke, 100uH	L0101 L0301 L0501 L0701 L0901		
				Avnet Electronics Mktg		
				Pulse	SMT, Common Mode PE-67540	
32	2	407-1060	Header, Screw Terminal, 20pin, 3.5mm Pitch	J402 J403		
				Walker (IEC)	SL 3.5/20/90 G 4.5AU SW Hdr, 20pin, 90deg, Clsd	6 - 8 Wks NC/NR
				Weidmuller	1804400000	
33	6	430-0010	SMT IC, MC33078, Low Noise Dual Op Amp	U0104 U0304 U0504 U0704 U0904 U1403		
				Future	D =>8pin SOIC, Rail SMT IC, MC33078, Dual	
				ON Semi	MC33078D	
				Future	DR2 =>8pin SOIC, SMT IC, MC33078, Dual	
34	10	430-0090	SMT IC, ESD Protector, PACUSB200	U0101 U0201 U0301 U0401 U0501 U0601 U0701 U0801 U0901 U1001		
				JACO	/R = Reel USB Downstream Port	
				California Micro	PACUSB200Q/R	
				JACO	/T = Tube USB Downstream Port	
				California Micro	PACUSB200Q/T	

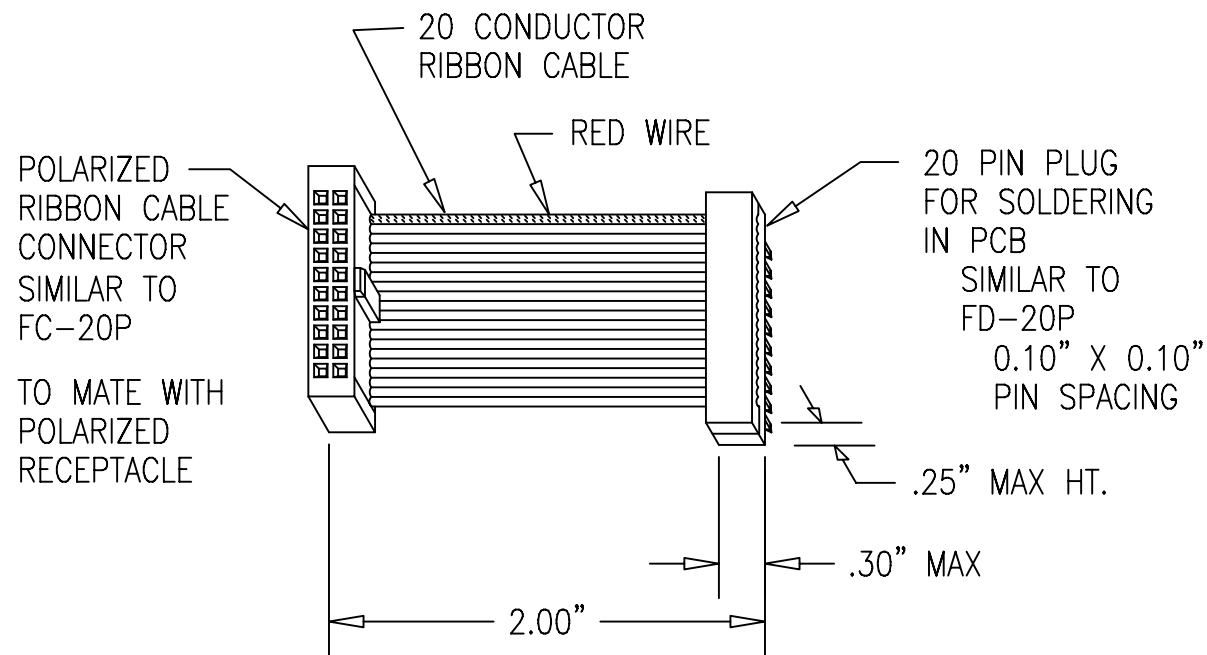
Item	Qty	P/N	Title	Ref(m)
35	10	430-0110	SMT IC, Low Noise Inst Amp, TI INA163UA	U0102 U0202 U0302 U0402 U0502 U0602 U0702 U0802 U0902 U1002
Arrow				
Texas Instruments				INA163UA
Avnet Electronics Mktg				58/Tube 2wks Factory 1/11/2001
Texas Instruments				INA163UA
Insight				
Texas Instruments				INA163UA
36	1	430-0120	SMT IC, AD8804ARU, DAC, 8-Bit, 12-Ch	U1505
Avnet Electronics Mktg				
Analog Devices				SMT, AD8804ARU, DAC, AD8804ARU
Future				
Analog Devices				SMT, AD8804ARU, DAC, AD8804ARU
37	10	430-0130	SMT IC, THAT4301S, Analog Engine	U0103 U0203 U0303 U0403 U0503 U0603 U0703 U0803 U0903 U1003
THAT				
				THAT4301S, Analog
THAT				
38	4	430-0140	SMT IC, DG485DN, Octal Analog Switch	U1301 U1302 U1303 U1304
Future				50parts/Tube DG485DN, Octal Analog
Vishay - Siliconix				DG485DN
39	4	430-0150	SMT IC, MC74HC595ADT, 8bit Shift Reg	U1501 U1502 U1503 U1504
Future				595MTC = 48/Tube, SMT IC, 74HC595A, 8bit
Fairchild				MM74HC595MTC
Future				...595ADT = 96/Tube, SMT IC, MC74HC595ADT,
ON Semi				MC74HC595ADT

Item	Qty	P/N	Title	Ref(m)
40	2	430-0160	SMT IC, DG408, 8:1 Analog Mux	U1401 U1402
				Future
				Intersil SMT IC, DG408, 8:1 DG408DY
				Future
				Analog Devices SMT IC, DG408, 8:1 ADG408BR
				Maxim Direct
				Maxim SMT IC, DG408, 8:1 DG408CY
41	5	430-0170	SMT IC, MAX4602CAE, Quad Analog Sw	S0201 S0401 S0601 S0801 S1001
				Arrow
				Maxim SMT IC, MAX4602CAE, MAX4602CAE
				Maxim Direct
				Maxim SMT IC, MAX4602CAE, MAX4602CAE
42	1	672-0435	Cable, Assembly, Ribbon, 16cond	J101
43	1	672-0440	Cable, Assembly, Ribbon, 20cond	J102
44	8	999-9998	OPTIONAL_PARTS - DO NOT LOAD -	R2 R3 R4 R5 U1601 U1602 U1603 U1604
45	54	999-9999	HOLES and FIDUCIALS - DO NOT LOAD	CDO1 CDO10 CDO2 CDO3 CDO4 CDO5 CDO6 CDO7 CDO8 CDO9 LVL1 LVL10 LVL2 LVL3 LVL4 LVL5 LVL6 LVL7 LVL8 LVL9 MT22 MT23 MT25 MT26 PRE01 PRE02 PRE03 PRE04 PRE05 PRE06 PRE07 PRE08 PRE09 PRE10 VCA1 VCA10 VCA2 VCA3 VCA4 VCA5 VCA6 VCA7 VCA8 VCA9 VCAO1 VCAO10 VCAO2 VCAO3 VCAO4 VCAO5 VCAO6 VCAO7 VCAO8 VCAO9



672-0435 REV B

 Ivie Technologies, inc.		
PROJECT:	1026	
TITLE:	DAUGHTER TO MOTHER BOARD - CABLE	
SCALE:	NONE	DATE: 10-24-02
APPROVED BY:	DRAWN BY: GLB	
FILE: 1026	DRAWING # 672-0435	REV. B



672-0440 REV B



Ivie Technologies, inc.

PROJECT:	1026
TITLE:	DAUGHTER TO MOTHER BOARD - CABLE
SCALE:	NONE
DATE:	10-24-02
APPROVED BY:	DRAWN BY: GLB
FILE: 1026	DRAWING # 672-0440
REV. B	

Ivie Technologies

005-1970++++ Rev D
1026 Input Board
Pick-N-Place Tables

06/14/2004



065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
C0109	107-0020	SMD	5925	6050	180
C0111	107-0020	SMD	2950	6050	180
C0113	107-0020	SMD	2800	6050	180
C0121	107-0020	SMD	5625	5900	180
C0221	107-0020	SMD	6075	5900	0
C0309	107-0020	SMD	5225	6050	180
C0311	107-0020	SMD	4075	6050	180
C0313	107-0020	SMD	3750	6050	180
C0321	107-0020	SMD	5625	4750	180
C0421	107-0020	SMD	6075	4750	0
C0509	107-0020	SMD	2950	3750	180
C0511	107-0020	SMD	5925	2600	180
C0513	107-0020	SMD	4900	3750	180
C0521	107-0020	SMD	5625	3600	180
C0621	107-0020	SMD	6075	3600	0
C0709	107-0020	SMD	4075	3750	180
C0711	107-0020	SMD	5225	2600	180
C0713	107-0020	SMD	5775	2600	180
C0721	107-0020	SMD	5625	2450	180
C0821	107-0020	SMD	6075	2450	0
C0909	107-0020	SMD	2950	1450	180
C0911	107-0020	SMD	4075	1450	180
C0913	107-0020	SMD	2800	1450	180
C0921	107-0020	SMD	5625	1300	180
C1021	107-0020	SMD	6075	1300	0
DC0103	107-0020	SMD	2950	4900	180
DC0104	107-0020	SMD	4900	6050	180
DC0203	107-0020	SMD	4075	4900	180
DC0204	107-0020	SMD	2800	2600	180
DC0303	107-0020	SMD	5225	4900	180
DC0304	107-0020	SMD	2800	4900	180
DC0403	107-0020	SMD	5925	4900	180
DC0404	107-0020	SMD	3750	4900	180
DC0503	107-0020	SMD	5225	3750	180
DC0504	107-0020	SMD	5775	4900	180
DC0603	107-0020	SMD	5925	3750	180

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
DC0604	107-0020	SMD	3750	2600	180
DC0703	107-0020	SMD	2950	2600	180
DC0704	107-0020	SMD	2800	3750	180
DC0803	107-0020	SMD	4075	2600	180
DC0804	107-0020	SMD	3750	3750	180
DC0903	107-0020	SMD	5225	1450	180
DC0904	107-0020	SMD	3750	1450	180
DC1003	107-0020	SMD	5925	1450	180
DC1004	107-0020	SMD	4900	1450	180
DC1403	107-0020	SMD	7900	4420	180
DC1413	107-0020	SMD	8020	4420	180
DC1501	107-0020	SMD	7875	825	180
DC1502	107-0020	SMD	8225	825	180
DC1503	107-0020	SMD	7875	525	180
DC1504	107-0020	SMD	8225	525	180
DC1505	107-0020	SMD	7300	1550	180
C0101	107-0080	SMD	1150	5950	180
C0102	107-0080	SMD	1150	5700	0
C0105	107-0080	SMD	2670	5795	270
C0201	107-0080	SMD	1150	5550	180
C0202	107-0080	SMD	1150	5300	0
C0205	107-0080	SMD	2670	5415	270
C0301	107-0080	SMD	1150	4800	180
C0302	107-0080	SMD	1150	4550	0
C0305	107-0080	SMD	2670	4645	270
C0401	107-0080	SMD	1150	4400	180
C0402	107-0080	SMD	1150	4150	0
C0405	107-0080	SMD	2670	4265	270
C0501	107-0080	SMD	1150	3650	180
C0502	107-0080	SMD	1150	3400	0
C0505	107-0080	SMD	2670	3495	270
C0601	107-0080	SMD	1150	3250	180
C0602	107-0080	SMD	1150	3000	0
C0605	107-0080	SMD	2670	3115	270
C0701	107-0080	SMD	1150	2500	180
C0702	107-0080	SMD	1150	2250	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
C0705	107-0080	SMD	2670	2345	270
C0801	107-0080	SMD	1150	2100	180
C0802	107-0080	SMD	1150	1850	0
C0805	107-0080	SMD	2670	1965	270
C0901	107-0080	SMD	1150	1350	180
C0902	107-0080	SMD	1150	1100	0
C0905	107-0080	SMD	2670	1195	270
C1001	107-0080	SMD	1150	950	180
C1002	107-0080	SMD	1150	700	0
C1005	107-0080	SMD	2670	815	270
C0124	107-0090	SMD	3540	5925	0
C0224	107-0090	SMD	4675	5925	0
C0324	107-0090	SMD	3540	4775	0
C0424	107-0090	SMD	4675	4775	0
C0524	107-0090	SMD	3540	3625	0
C0624	107-0090	SMD	4675	3625	0
C0724	107-0090	SMD	3540	2475	0
C0824	107-0090	SMD	4675	2475	0
C0924	107-0090	SMD	3540	1325	0
C1024	107-0090	SMD	4675	1325	0
C0123	107-0100	SMD	4225	5625	0
C0223	107-0100	SMD	5375	5625	0
C0323	107-0100	SMD	4225	4475	0
C0423	107-0100	SMD	5375	4475	0
C0523	107-0100	SMD	4225	3325	0
C0623	107-0100	SMD	5375	3325	0
C0723	107-0100	SMD	4225	2175	0
C0823	107-0100	SMD	5375	2175	0
C0923	107-0100	SMD	4225	1025	0
C1	107-0100	SMD	7500	1025	270
C1023	107-0100	SMD	5375	1025	0
C01	107-X090	SMD	3540	6025	0
C02	107-X090	SMD	4675	6025	0
C03	107-X090	SMD	3540	4875	0
C04	107-X090	SMD	4675	4875	0
C05	107-X090	SMD	3540	3725	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
C06	107-X090	SMD	4675	3725	0
C07	107-X090	SMD	3540	2575	0
C08	107-X090	SMD	4675	2575	0
C09	107-X090	SMD	3540	1425	0
C10	107-X090	SMD	4675	1425	0
C0120	109-0010	SMD	5725	5625	270
C0220	109-0010	SMD	5975	5625	270
C0320	109-0010	SMD	5725	4475	270
C0420	109-0010	SMD	5975	4475	270
C0520	109-0010	SMD	5725	3325	270
C0620	109-0010	SMD	5975	3325	270
C0720	109-0010	SMD	5725	2175	270
C0820	109-0010	SMD	5975	2175	270
C0920	109-0010	SMD	5725	1025	270
C1020	109-0010	SMD	5975	1025	270
C0122	109-0020	SMD	4350	5400	270
C0125	109-0020	SMD	3500	5400	270
C0222	109-0020	SMD	5500	5400	270
C0225	109-0020	SMD	4650	5400	270
C0322	109-0020	SMD	4350	4250	270
C0325	109-0020	SMD	3500	4250	270
C0422	109-0020	SMD	5500	4250	270
C0425	109-0020	SMD	4650	4250	270
C0522	109-0020	SMD	4350	3100	270
C0525	109-0020	SMD	3500	3100	270
C0622	109-0020	SMD	5500	3100	270
C0625	109-0020	SMD	4650	3100	270
C0722	109-0020	SMD	4350	1950	270
C0725	109-0020	SMD	3500	1950	270
C0822	109-0020	SMD	5500	1950	270
C0825	109-0020	SMD	4650	1950	270
C0922	109-0020	SMD	4350	800	270
C0925	109-0020	SMD	3500	800	270
C1022	109-0020	SMD	5500	800	270
C1025	109-0020	SMD	4650	800	270
C0103	109-0030	SMD	1700	5800	270

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
C0104	109-0030	SMD	2000	5800	270
C0108	109-0030	SMD	3200	5800	270
C0110	109-0030	SMD	2875	5100	180
C0112	109-0030	SMD	4380	5050	0
C0203	109-0030	SMD	1700	5400	270
C0204	109-0030	SMD	2000	5400	270
C0208	109-0030	SMD	3200	5400	270
C0303	109-0030	SMD	1700	4650	270
C0304	109-0030	SMD	2000	4650	270
C0308	109-0030	SMD	3200	4650	270
C0310	109-0030	SMD	5000	5050	180
C0312	109-0030	SMD	2475	5100	0
C0403	109-0030	SMD	1700	4250	270
C0404	109-0030	SMD	2000	4250	270
C0408	109-0030	SMD	3200	4250	270
C0503	109-0030	SMD	1700	3500	270
C0504	109-0030	SMD	2000	3500	270
C0508	109-0030	SMD	3200	3500	270
C0510	109-0030	SMD	2875	2800	180
C0512	109-0030	SMD	4375	2750	0
C0603	109-0030	SMD	1700	3100	270
C0604	109-0030	SMD	2000	3100	270
C0608	109-0030	SMD	3200	3100	270
C0703	109-0030	SMD	1700	2350	270
C0704	109-0030	SMD	2000	2350	270
C0708	109-0030	SMD	3200	2350	270
C0710	109-0030	SMD	5000	2750	180
C0712	109-0030	SMD	2475	2800	0
C0803	109-0030	SMD	1700	1950	270
C0804	109-0030	SMD	2000	1950	270
C0808	109-0030	SMD	3200	1950	270
C0903	109-0030	SMD	1700	1200	270
C0904	109-0030	SMD	2000	1200	270
C0908	109-0030	SMD	3200	1200	270
C0910	109-0030	SMD	3900	450	180
C0912	109-0030	SMD	3500	450	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
C1003	109-0030	SMD	1700	800	270
C1004	109-0030	SMD	2000	800	270
C1008	109-0030	SMD	3200	800	270
C2	109-0030	SMD	7850	5500	180
C3	109-0030	SMD	7850	5075	180
DC1506	109-0030	SMD	7500	1700	0
R0121	123-0010	SMD	4076	5275	270
R0221	123-0010	SMD	5226	5275	270
R0321	123-0010	SMD	4076	4125	270
R0421	123-0010	SMD	5226	4125	270
R0521	123-0010	SMD	4076	2975	270
R0621	123-0010	SMD	5226	2975	270
R0721	123-0010	SMD	4076	1825	270
R0821	123-0010	SMD	5226	1825	270
R0921	123-0010	SMD	4076	675	270
R1021	123-0010	SMD	5226	675	270
R0105	127-0030	SMD	2200	5925	90
R0106	127-0030	SMD	2200	5825	90
R0205	127-0030	SMD	2200	5425	90
R0206	127-0030	SMD	2200	5325	90
R0305	127-0030	SMD	2200	4775	90
R0306	127-0030	SMD	2200	4675	90
R0405	127-0030	SMD	2200	4275	90
R0406	127-0030	SMD	2200	4175	90
R0505	127-0030	SMD	2200	3625	90
R0506	127-0030	SMD	2200	3525	90
R0605	127-0030	SMD	2200	3125	90
R0606	127-0030	SMD	2200	3025	90
R0705	127-0030	SMD	2200	2475	90
R0706	127-0030	SMD	2200	2375	90
R0805	127-0030	SMD	2200	1975	90
R0806	127-0030	SMD	2200	1875	90
R0905	127-0030	SMD	2200	1325	90
R0906	127-0030	SMD	2200	1225	90
R1005	127-0030	SMD	2200	825	90
R1006	127-0030	SMD	2200	725	90

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R1501	127-0030	SMD	6425	900	0
R1502	127-0030	SMD	6425	975	0
R1503	127-0030	SMD	1375	50	180
R1511	127-0030	SMD	6700	400	0
R1512	127-0030	SMD	6700	475	0
R1513	127-0030	SMD	1375	500	180
R1521	127-0030	SMD	6425	400	0
R1522	127-0030	SMD	6425	475	0
R1523	127-0030	SMD	1375	250	180
R1531	127-0030	SMD	6700	525	0
R1532	127-0030	SMD	6700	600	0
R1533	127-0030	SMD	1375	450	180
R1541	127-0030	SMD	6425	525	0
R1542	127-0030	SMD	6425	600	0
R1543	127-0030	SMD	1375	200	180
R1551	127-0030	SMD	6700	675	0
R1552	127-0030	SMD	6700	725	0
R1553	127-0030	SMD	1375	400	180
R1561	127-0030	SMD	6425	650	0
R1562	127-0030	SMD	6425	725	0
R1563	127-0030	SMD	1375	150	180
R1571	127-0030	SMD	6700	775	0
R1572	127-0030	SMD	6700	850	0
R1573	127-0030	SMD	1375	350	180
R1581	127-0030	SMD	6425	775	0
R1582	127-0030	SMD	6425	850	0
R1583	127-0030	SMD	1375	100	180
R1591	127-0030	SMD	6700	900	0
R1592	127-0030	SMD	6700	975	0
R1593	127-0030	SMD	1375	300	180
R1599	127-0030	SMD	7300	1500	180
R0125	127-0480	SMD	5625	5850	0
R0225	127-0480	SMD	6075	5850	180
R0325	127-0480	SMD	5625	4700	0
R0425	127-0480	SMD	6075	4700	180
R0525	127-0480	SMD	5625	3550	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R0625	127-0480	SMD	6075	3550	180
R0725	127-0480	SMD	5625	2400	0
R0825	127-0480	SMD	6075	2400	180
R0925	127-0480	SMD	5625	1250	0
R1025	127-0480	SMD	6075	1250	180
R1401	127-0480	SMD	7225	1025	270
R0108	127-0555	SMD	2640	5705	180
R0208	127-0555	SMD	2640	5555	180
R0308	127-0555	SMD	2640	4555	180
R0408	127-0555	SMD	2640	4405	180
R0508	127-0555	SMD	2640	3405	180
R0608	127-0555	SMD	2640	3255	180
R0708	127-0555	SMD	2640	2255	180
R0808	127-0555	SMD	2640	2105	180
R0908	127-0555	SMD	2640	1105	180
R1008	127-0555	SMD	2640	955	180
R0107	127-0675	SMD	2640	5655	180
R0207	127-0675	SMD	2640	5605	180
R0307	127-0675	SMD	2640	4505	180
R0407	127-0675	SMD	2640	4455	180
R0507	127-0675	SMD	2640	3355	180
R0607	127-0675	SMD	2640	3305	180
R0707	127-0675	SMD	2640	2205	180
R0807	127-0675	SMD	2640	2155	180
R0907	127-0675	SMD	2640	1055	180
R1007	127-0675	SMD	2640	1005	180
R1301	127-0980	SMD	6700	5350	0
R1302	127-0980	SMD	6700	5400	0
R1303	127-0980	SMD	6700	5450	0
R1304	127-0980	SMD	6700	5500	0
R1307	127-0980	SMD	7300	5350	180
R1308	127-0980	SMD	7300	5300	180
R1311	127-0980	SMD	6700	4900	0
R1312	127-0980	SMD	6700	4950	0
R1313	127-0980	SMD	6700	5000	0
R1314	127-0980	SMD	6700	5050	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R1315	127-0980	SMD	7300	5000	0
R1316	127-0980	SMD	7300	4950	180
R1317	127-0980	SMD	7300	4900	180
R1318	127-0980	SMD	7300	4850	180
R1321	127-0980	SMD	6700	4450	0
R1322	127-0980	SMD	6700	4500	0
R1323	127-0980	SMD	6700	4550	0
R1324	127-0980	SMD	6700	4600	0
R1327	127-0980	SMD	7300	4450	180
R1328	127-0980	SMD	7300	4400	180
R1331	127-0980	SMD	6700	4000	0
R1332	127-0980	SMD	6700	4050	0
R1333	127-0980	SMD	6700	4100	0
R1334	127-0980	SMD	6700	4150	0
R1335	127-0980	SMD	7300	4100	180
R1336	127-0980	SMD	7300	4050	180
R1337	127-0980	SMD	7300	4000	180
R1338	127-0980	SMD	7300	3950	180
R1601	127-0980	SMD	6700	3550	0
R1602	127-0980	SMD	6700	3600	0
R1603	127-0980	SMD	6700	3650	0
R1604	127-0980	SMD	6700	3700	0
R1607	127-0980	SMD	7300	3550	180
R1608	127-0980	SMD	7300	3500	180
R1611	127-0980	SMD	6700	3100	0
R1612	127-0980	SMD	6700	3150	0
R1613	127-0980	SMD	6700	3200	0
R1614	127-0980	SMD	6700	3250	0
R1615	127-0980	SMD	7300	3200	180
R1616	127-0980	SMD	7300	3150	180
R1617	127-0980	SMD	7300	3100	180
R1618	127-0980	SMD	7300	3050	180
R1621	127-0980	SMD	6700	2650	0
R1622	127-0980	SMD	6700	2700	0
R1623	127-0980	SMD	6700	2750	0
R1624	127-0980	SMD	6700	2800	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R1627	127-0980	SMD	7300	2650	180
R1628	127-0980	SMD	7300	2600	180
R1631	127-0980	SMD	6700	2200	0
R1632	127-0980	SMD	6700	2250	0
R1633	127-0980	SMD	6700	2300	0
R1634	127-0980	SMD	6700	2350	0
R1635	127-0980	SMD	7300	2300	180
R1636	127-0980	SMD	7300	2250	180
R1637	127-0980	SMD	7300	2200	180
R1638	127-0980	SMD	7300	2150	180
R0120	127-0990	SMD	3540	5875	0
R0124	127-0990	SMD	4225	5575	0
R0220	127-0990	SMD	4675	5875	0
R0224	127-0990	SMD	5375	5575	0
R0320	127-0990	SMD	3540	4725	0
R0324	127-0990	SMD	4225	4425	0
R0420	127-0990	SMD	4675	4725	0
R0424	127-0990	SMD	5375	4425	0
R0520	127-0990	SMD	3540	3575	0
R0524	127-0990	SMD	4225	3275	0
R0620	127-0990	SMD	4675	3575	0
R0624	127-0990	SMD	5375	3275	0
R0720	127-0990	SMD	3540	2425	0
R0724	127-0990	SMD	4225	2125	0
R0820	127-0990	SMD	4675	2425	0
R0824	127-0990	SMD	5375	2125	0
R0920	127-0990	SMD	3540	1275	0
R0924	127-0990	SMD	4225	975	0
R1020	127-0990	SMD	4675	1275	0
R1024	127-0990	SMD	5375	975	0
R0129	127-1010	SMD	3540	5825	180
R0229	127-1010	SMD	4675	5825	180
R0329	127-1010	SMD	3540	4675	180
R0429	127-1010	SMD	4675	4675	180
R0529	127-1010	SMD	3540	3525	180
R0629	127-1010	SMD	4675	3525	180

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R0729	127-1010	SMD	3540	2375	180
R0829	127-1010	SMD	4675	2375	180
R0929	127-1010	SMD	3540	1225	180
R1029	127-1010	SMD	4675	1225	180
R0127	127-1190	SMD	5625	5950	180
R0227	127-1190	SMD	6075	5950	0
R0327	127-1190	SMD	5625	4800	180
R0427	127-1190	SMD	6075	4800	0
R0527	127-1190	SMD	5625	3650	180
R0627	127-1190	SMD	6075	3650	0
R0727	127-1190	SMD	5625	2500	180
R0827	127-1190	SMD	6075	2500	0
R0927	127-1190	SMD	5625	1350	180
R1027	127-1190	SMD	6075	1350	0
R0199	127-1310	SMD	1150	6000	180
R0299	127-1310	SMD	1150	5600	180
R0399	127-1310	SMD	1150	4850	180
R0499	127-1310	SMD	1150	4450	180
R0599	127-1310	SMD	1150	3700	180
R0699	127-1310	SMD	1150	3300	180
R0799	127-1310	SMD	1150	2550	180
R0899	127-1310	SMD	1150	2150	180
R0999	127-1310	SMD	1150	1400	180
R1099	127-1310	SMD	1150	1000	180
R0131	127-1370	SMD	3540	5725	180
R0231	127-1370	SMD	4675	5725	0
R0331	127-1370	SMD	3540	4575	180
R0431	127-1370	SMD	4675	4575	0
R0531	127-1370	SMD	3540	3425	180
R0631	127-1370	SMD	4675	3425	0
R0731	127-1370	SMD	3540	2275	180
R0831	127-1370	SMD	4675	2275	0
R0931	127-1370	SMD	3540	1125	180
R1031	127-1370	SMD	4675	1125	0
R0132	127-1550	SMD	3540	5675	0
R0232	127-1550	SMD	4675	5675	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R0332	127-1550	SMD	3540	4525	0
R0432	127-1550	SMD	4675	4525	0
R0532	127-1550	SMD	3540	3375	0
R0632	127-1550	SMD	4675	3375	0
R0732	127-1550	SMD	3540	2225	0
R0832	127-1550	SMD	4675	2225	0
R0932	127-1550	SMD	3540	1075	0
R1032	127-1550	SMD	4675	1075	0
R0122	127-1590	SMD	4225	5675	180
R0222	127-1590	SMD	5375	5675	180
R0322	127-1590	SMD	4225	4525	180
R0422	127-1590	SMD	5375	4525	180
R0522	127-1590	SMD	4225	3375	180
R0622	127-1590	SMD	5375	3375	180
R0722	127-1590	SMD	4225	2225	180
R0822	127-1590	SMD	5375	2225	180
R0922	127-1590	SMD	4225	1075	180
R1022	127-1590	SMD	5375	1075	180
R0128	127-2220	SMD	3540	5975	180
R0130	127-2220	SMD	3540	5775	180
R0198	127-2220	SMD	3540	6075	180
R0228	127-2220	SMD	4675	5975	0
R0230	127-2220	SMD	4675	5775	0
R0298	127-2220	SMD	4675	6075	180
R0328	127-2220	SMD	3540	4825	180
R0330	127-2220	SMD	3540	4625	180
R0398	127-2220	SMD	3540	4925	180
R0428	127-2220	SMD	4675	4825	0
R0430	127-2220	SMD	4675	4625	0
R0498	127-2220	SMD	4675	4925	180
R0528	127-2220	SMD	3540	3675	180
R0530	127-2220	SMD	3540	3475	180
R0598	127-2220	SMD	3540	3775	180
R0628	127-2220	SMD	4675	3675	0
R0630	127-2220	SMD	4675	3475	0
R0698	127-2220	SMD	4675	3775	180

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R0728	127-2220	SMD	3540	2525	180
R0730	127-2220	SMD	3540	2325	180
R0798	127-2220	SMD	3540	2625	180
R0828	127-2220	SMD	4675	2525	0
R0830	127-2220	SMD	4675	2325	0
R0898	127-2220	SMD	4675	2625	180
R0928	127-2220	SMD	3540	1375	180
R0930	127-2220	SMD	3540	1175	180
R0998	127-2220	SMD	3540	1475	180
R1028	127-2220	SMD	4675	1375	0
R1030	127-2220	SMD	4675	1175	0
R1098	127-2220	SMD	4675	1475	180
R0123	127-2265	SMD	4225	5725	0
R0223	127-2265	SMD	5375	5725	0
R0323	127-2265	SMD	4225	4575	0
R0423	127-2265	SMD	5375	4575	0
R0523	127-2265	SMD	4225	3425	0
R0623	127-2265	SMD	5375	3425	0
R0723	127-2265	SMD	4225	2275	0
R0823	127-2265	SMD	5375	2275	0
R0923	127-2265	SMD	4225	1125	0
R1	127-2265	SMD	8000	5275	90
R1023	127-2265	SMD	5375	1125	0
R1402	127-2265	SMD	7325	1050	0
R0126	127-2400	SMD	5625	5800	0
R0226	127-2400	SMD	6075	5800	180
R0326	127-2400	SMD	5625	4650	0
R0426	127-2400	SMD	6075	4650	180
R0526	127-2400	SMD	5625	3500	0
R0626	127-2400	SMD	6075	3500	180
R0726	127-2400	SMD	5625	2350	0
R0826	127-2400	SMD	6075	2350	180
R0926	127-2400	SMD	5625	1200	0
R1026	127-2400	SMD	6075	1200	180
R0101	127-2420	SMD	1150	5900	0
R0102	127-2420	SMD	1150	5750	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R0201	127-2420	SMD	1150	5500	0
R0202	127-2420	SMD	1150	5350	0
R0301	127-2420	SMD	1150	4750	0
R0302	127-2420	SMD	1150	4600	0
R0401	127-2420	SMD	1150	4350	0
R0402	127-2420	SMD	1150	4200	0
R0501	127-2420	SMD	1150	3600	0
R0502	127-2420	SMD	1150	3450	0
R0601	127-2420	SMD	1150	3200	0
R0602	127-2420	SMD	1150	3050	0
R0701	127-2420	SMD	1150	2450	0
R0702	127-2420	SMD	1150	2300	0
R0801	127-2420	SMD	1150	2050	0
R0802	127-2420	SMD	1150	1900	0
R0901	127-2420	SMD	1150	1300	0
R0902	127-2420	SMD	1150	1150	0
R1001	127-2420	SMD	1150	900	0
R1002	127-2420	SMD	1150	750	0
R0103	127-2490	SMD	1150	5850	180
R0104	127-2490	SMD	1150	5800	0
R0133	127-2490	SMD	4350	5950	0
R0203	127-2490	SMD	1150	5450	180
R0204	127-2490	SMD	1150	5400	0
R0233	127-2490	SMD	5500	5950	0
R0303	127-2490	SMD	1150	4700	180
R0304	127-2490	SMD	1150	4650	0
R0333	127-2490	SMD	4350	4800	0
R0403	127-2490	SMD	1150	4300	180
R0404	127-2490	SMD	1150	4250	0
R0433	127-2490	SMD	5500	4800	0
R0503	127-2490	SMD	1150	3550	180
R0504	127-2490	SMD	1150	3500	0
R0533	127-2490	SMD	4350	3650	0
R0603	127-2490	SMD	1150	3150	180
R0604	127-2490	SMD	1150	3100	0
R0633	127-2490	SMD	5500	3650	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
R0703	127-2490	SMD	1150	2400	180
R0704	127-2490	SMD	1150	2350	0
R0733	127-2490	SMD	4350	2500	0
R0803	127-2490	SMD	1150	2000	180
R0804	127-2490	SMD	1150	1950	0
R0833	127-2490	SMD	5500	2500	0
R0903	127-2490	SMD	1150	1250	180
R0904	127-2490	SMD	1150	1200	0
R0933	127-2490	SMD	4350	1350	0
R1003	127-2490	SMD	1150	850	180
R1004	127-2490	SMD	1150	800	0
R1033	127-2490	SMD	5500	1350	0
R1340	127-2490	SMD	7400	5700	270
R1341	127-2490	SMD	7500	5700	270
Q1501	152-0020	SMD	6563	935	180
Q1503	152-0020	SMD	788	635	180
Q1511	152-0020	SMD	6838	435	180
Q1513	152-0020	SMD	937	6040	0
Q1521	152-0020	SMD	6563	435	180
Q1523	152-0020	SMD	788	5235	180
Q1531	152-0020	SMD	6838	560	180
Q1533	152-0020	SMD	937	4890	0
Q1541	152-0020	SMD	6563	560	180
Q1543	152-0020	SMD	788	4085	180
Q1551	152-0020	SMD	6838	685	180
Q1553	152-0020	SMD	937	3740	0
Q1561	152-0020	SMD	6563	685	180
Q1563	152-0020	SMD	788	2910	180
Q1571	152-0020	SMD	6838	810	180
Q1573	152-0020	SMD	937	2590	0
Q1581	152-0020	SMD	6563	810	180
Q1583	152-0020	SMD	788	1785	180
Q1591	152-0020	SMD	6838	935	180
Q1593	152-0020	SMD	937	1440	0
Q1502	152-0030	SMD	938	635	180
Q1512	152-0030	SMD	787	6040	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
Q1522	152-0030	SMD	938	5235	180
Q1532	152-0030	SMD	787	4890	0
Q1542	152-0030	SMD	938	4085	180
Q1552	152-0030	SMD	787	3740	0
Q1562	152-0030	SMD	938	2910	180
Q1572	152-0030	SMD	787	2590	0
Q1582	152-0030	SMD	938	1785	180
Q1592	152-0030	SMD	787	1440	0
S011	180-0110	SMD	1407	5925	90
S012	180-0110	SMD	1407	5725	90
S021	180-0110	SMD	1407	5525	90
S022	180-0110	SMD	1407	5325	90
S031	180-0110	SMD	1407	4775	90
S032	180-0110	SMD	1407	4575	90
S041	180-0110	SMD	1407	4375	90
S042	180-0110	SMD	1407	4175	90
S051	180-0110	SMD	1407	3625	90
S052	180-0110	SMD	1407	3425	90
S061	180-0110	SMD	1407	3225	90
S062	180-0110	SMD	1407	3025	90
S071	180-0110	SMD	1407	2475	90
S072	180-0110	SMD	1407	2275	90
S081	180-0110	SMD	1407	2075	90
S082	180-0110	SMD	1407	1875	90
S091	180-0110	SMD	1407	1325	90
S092	180-0110	SMD	1407	1125	90
S101	180-0110	SMD	1407	925	90
S102	180-0110	SMD	1407	725	90
L0101	186-0050	SMD	710	5625	0
L0301	186-0050	SMD	710	4475	0
L0501	186-0050	SMD	710	3300	0
L0701	186-0050	SMD	710	2175	0
L0901	186-0050	SMD	710	1025	0
U0104	430-0010	SMD	5858	5875	270
U0304	430-0010	SMD	5858	4725	270
U0504	430-0010	SMD	5858	3575	270

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
U0704	430-0010	SMD	5858	2425	270
U0904	430-0010	SMD	5858	1275	270
U1403	430-0010	SMD	7933	4575	270
U0101	430-0090	SMD	2400	5888	270
U0201	430-0090	SMD	2400	5388	270
U0301	430-0090	SMD	2400	4738	270
U0401	430-0090	SMD	2400	4238	270
U0501	430-0090	SMD	2400	3588	270
U0601	430-0090	SMD	2400	3088	270
U0701	430-0090	SMD	2400	2438	270
U0801	430-0090	SMD	2400	1938	270
U0901	430-0090	SMD	2400	1288	270
U1001	430-0090	SMD	2400	788	270
U0102	430-0110	SMD	2868	5825	270
U0202	430-0110	SMD	2868	5435	270
U0302	430-0110	SMD	2868	4675	270
U0402	430-0110	SMD	2868	4285	270
U0502	430-0110	SMD	2868	3525	270
U0602	430-0110	SMD	2868	3135	270
U0702	430-0110	SMD	2868	2375	270
U0802	430-0110	SMD	2868	1985	270
U0902	430-0110	SMD	2868	1225	270
U1002	430-0110	SMD	2868	835	270
U1505	430-0120	SMD	7537	1385	270
U0103	430-0130	SMD	3912	5699	270
U0203	430-0130	SMD	5062	5699	270
U0303	430-0130	SMD	3912	4549	270
U0403	430-0130	SMD	5062	4549	270
U0503	430-0130	SMD	3912	3399	270
U0603	430-0130	SMD	5062	3399	270
U0703	430-0130	SMD	3912	2249	270
U0803	430-0130	SMD	5062	2249	270
U0903	430-0130	SMD	3912	1099	270
U1003	430-0130	SMD	5062	1099	270
U1301	430-0140	SMD	7000	5400	0
U1302	430-0140	SMD	7000	4950	0

065-1970_D SMD_TOP Parts Placement

Refdes	PART NUM	Type	X	Y	Angle
U1303	430-0140	SMD	7000	4500	0
U1304	430-0140	SMD	7000	4050	0
U1501	430-0150	SMD	7737	685	270
U1502	430-0150	SMD	8087	685	270
U1503	430-0150	SMD	7737	385	270
U1504	430-0150	SMD	8087	385	270
U1401	430-0160	SMD	6808	1275	270
U1402	430-0160	SMD	6808	1725	270
S0201	430-0170	SMD	2386	5635	270
S0401	430-0170	SMD	2386	4485	270
S0601	430-0170	SMD	2386	3335	270
S0801	430-0170	SMD	2386	2185	270
S1001	430-0170	SMD	2386	1035	270

Ivie Technologies

End of Document

06/14/2004

