

Ivie Technologies

Ivie 1026 Integrated Mixer
Schematic Package

October 2002



NOTICE

We have added this information to the Ivie Service website in an effort to help you support your product. This package is the best copy we could find; it may be incomplete or contain dated information.

Ivie did not and does not provide field service guides for it's AudioNet products.

All factory service was accomplished in close collaboration with the design engineers responsible for the product development. Thus this information was intended to be a reference guide for the service technicians – not a service tutorial. It does not contain Theory of Operation or Signal Flow Diagrams.

As of 2013, Ivie Service continues to provide factory service for this product.

We do not provide consulting or support for user service.

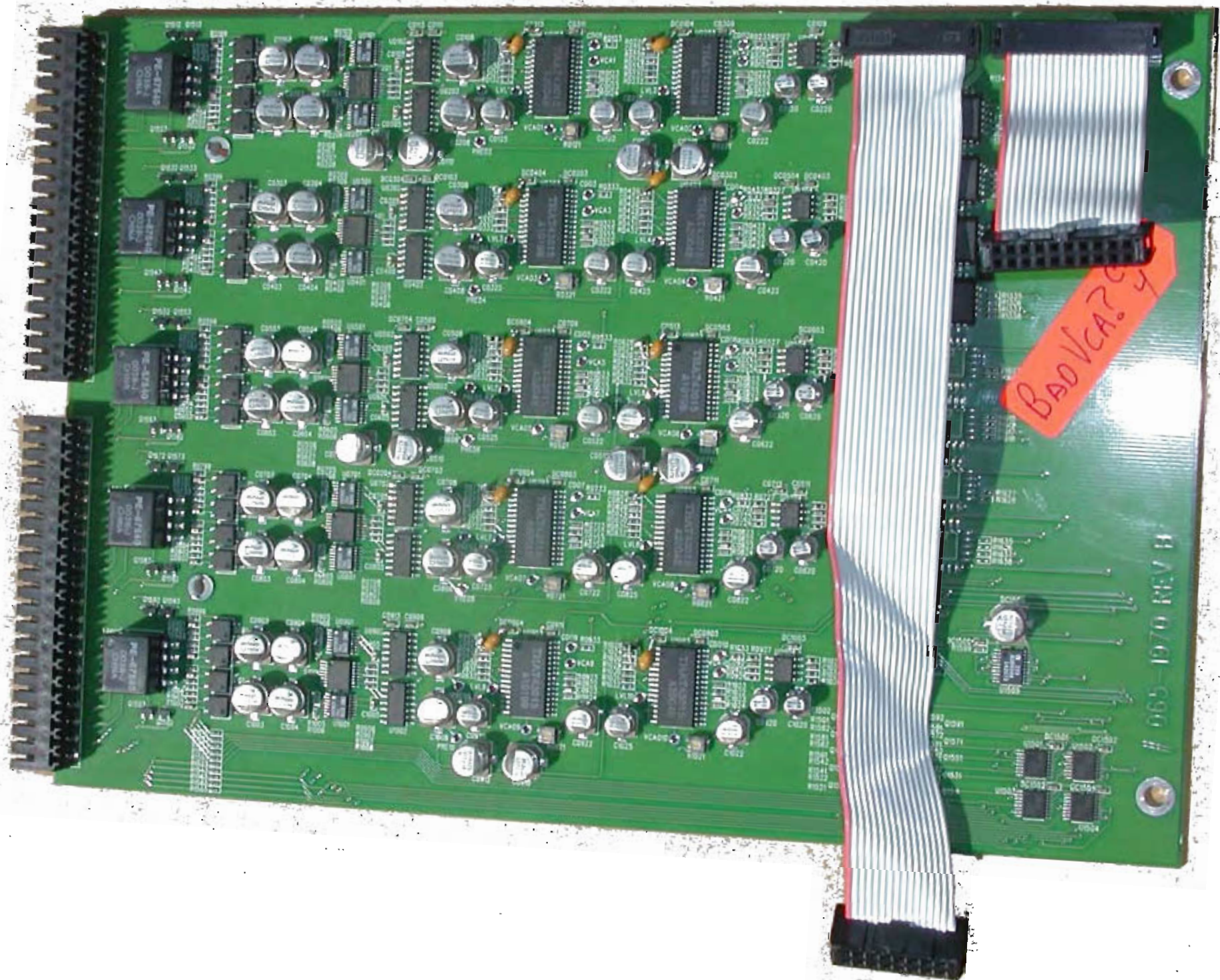
Any use of this information is at your sole and complete risk.

Ivie Technologies

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

06/14/2004





Ivie Technologies

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

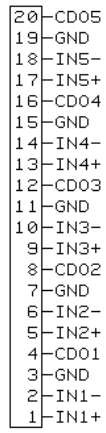
06/14/2004



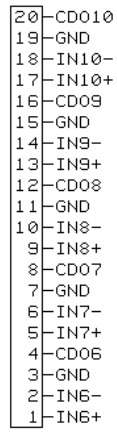
MECHANICAL SUPPORT



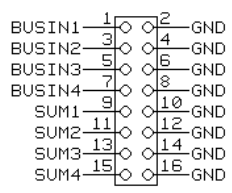
J402



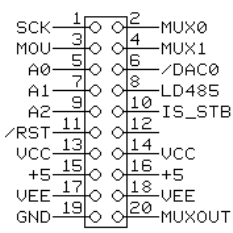
J403



J101



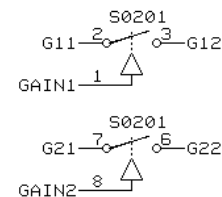
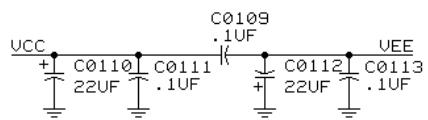
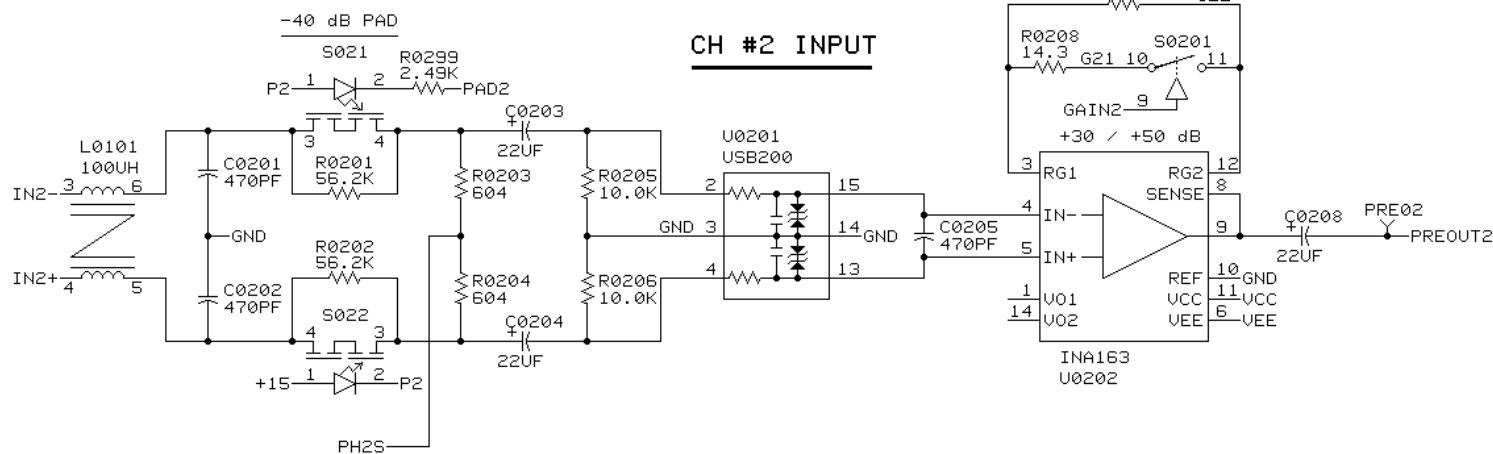
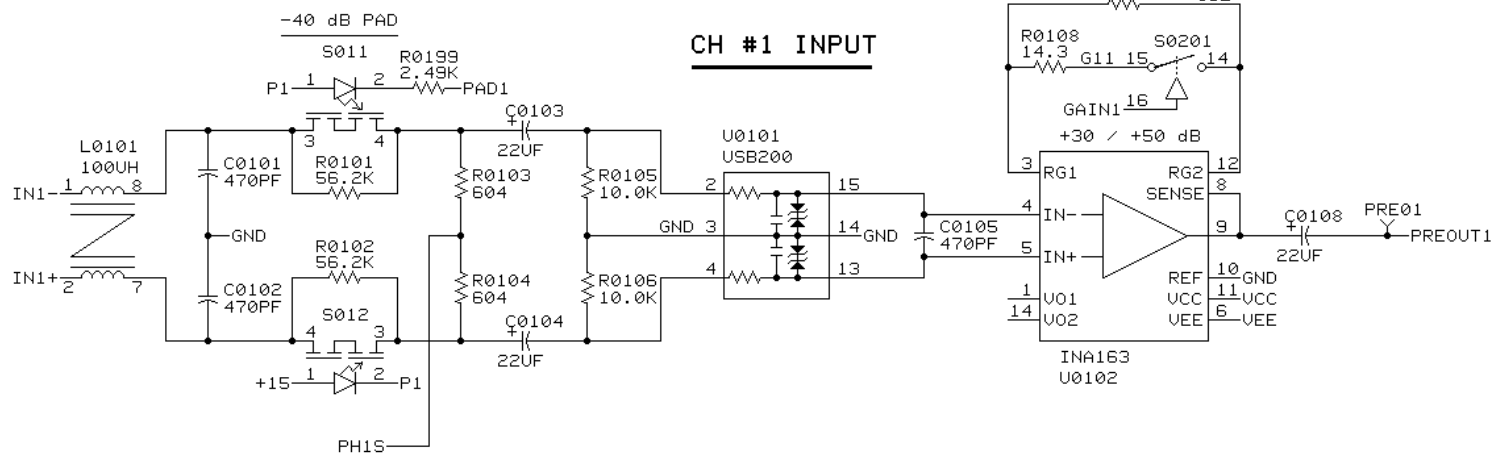
J102



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

1026 Integrated Mixer

D	1026I.P01	002-1970	REV D0
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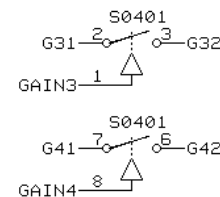
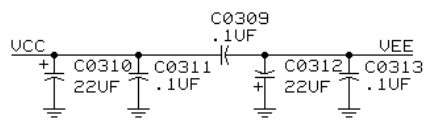
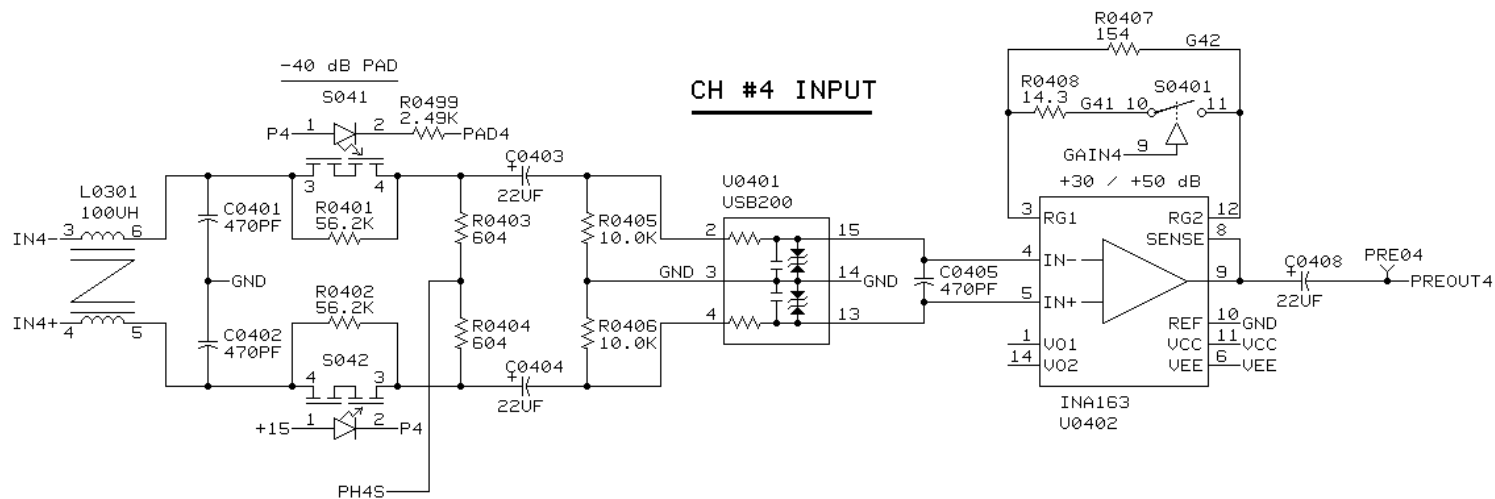
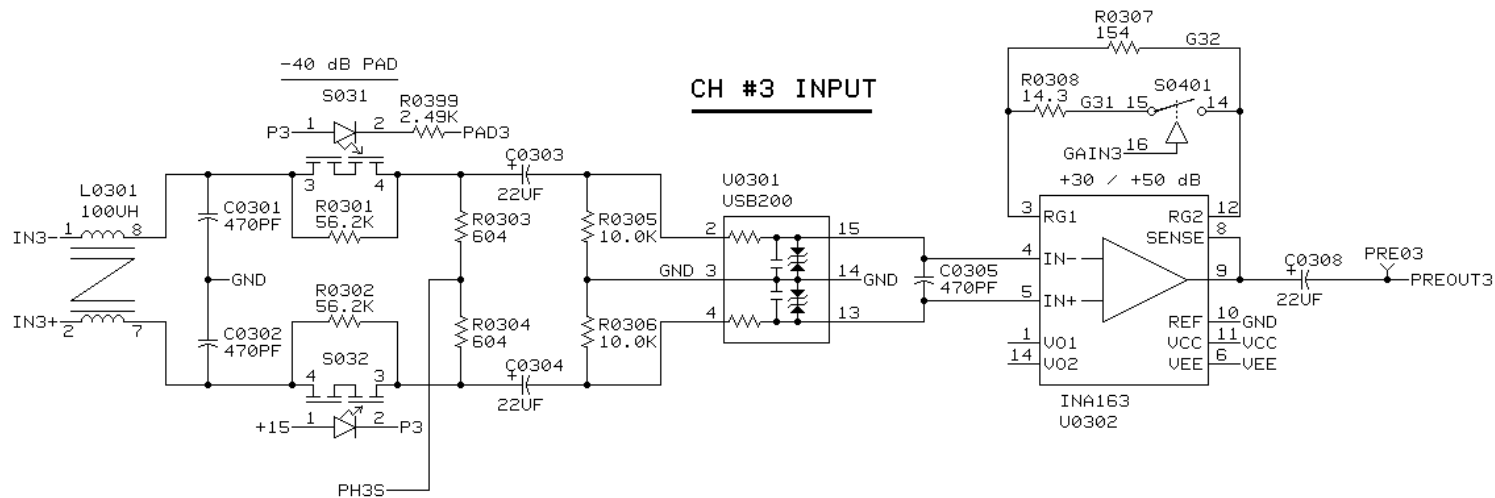
IVIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

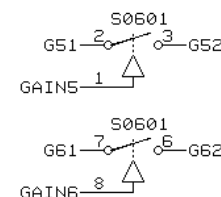
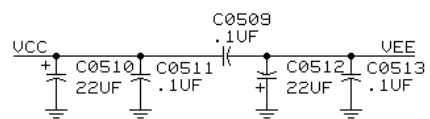
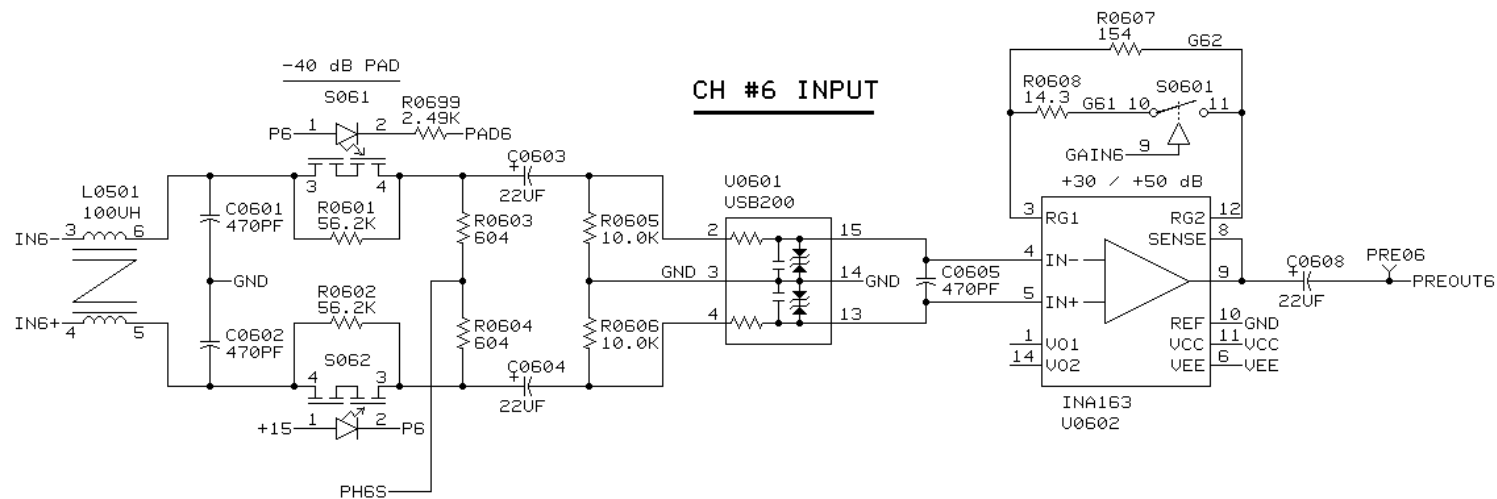
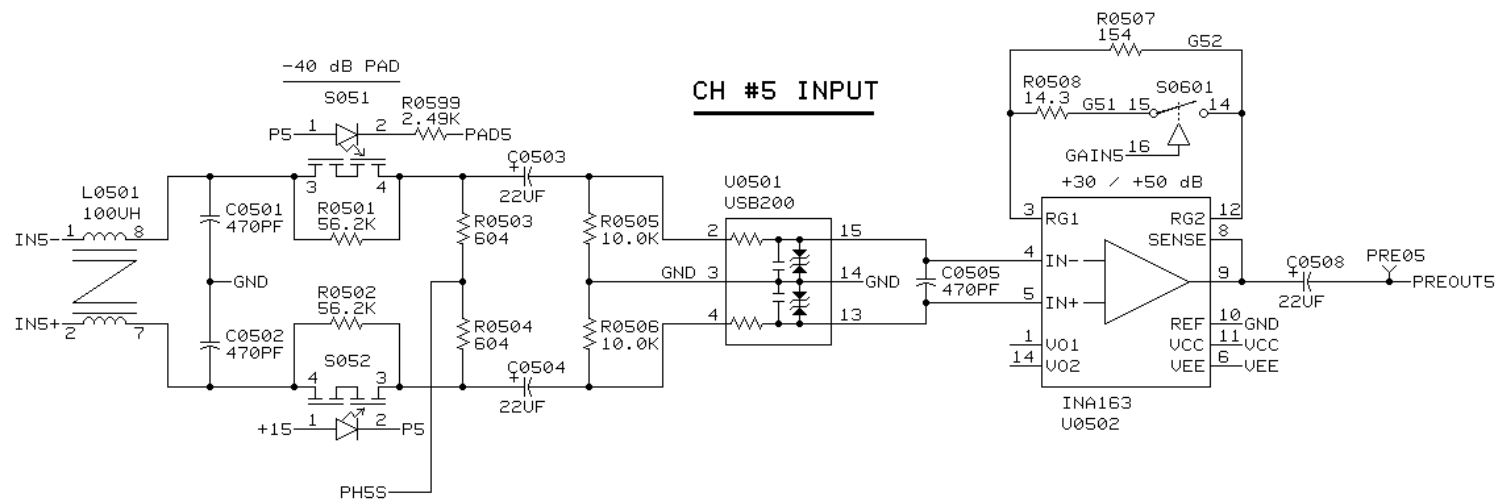
1026 Integrated Mixer

D 1026I.P02 002-1970 REV D0

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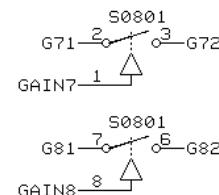
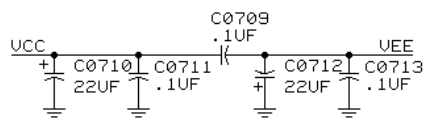
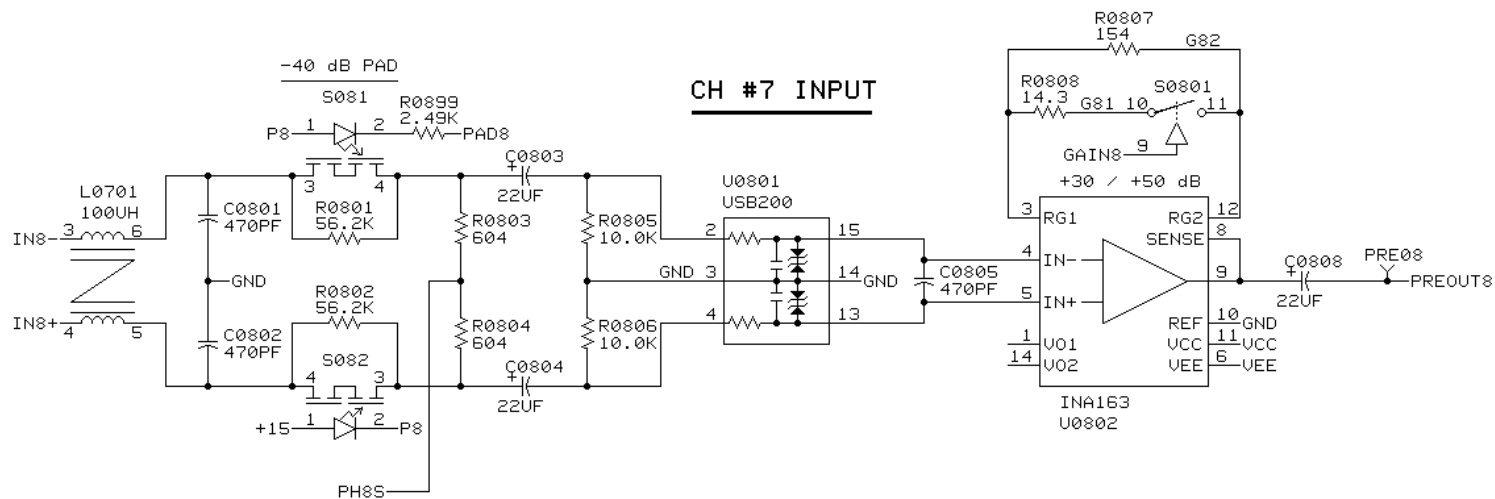
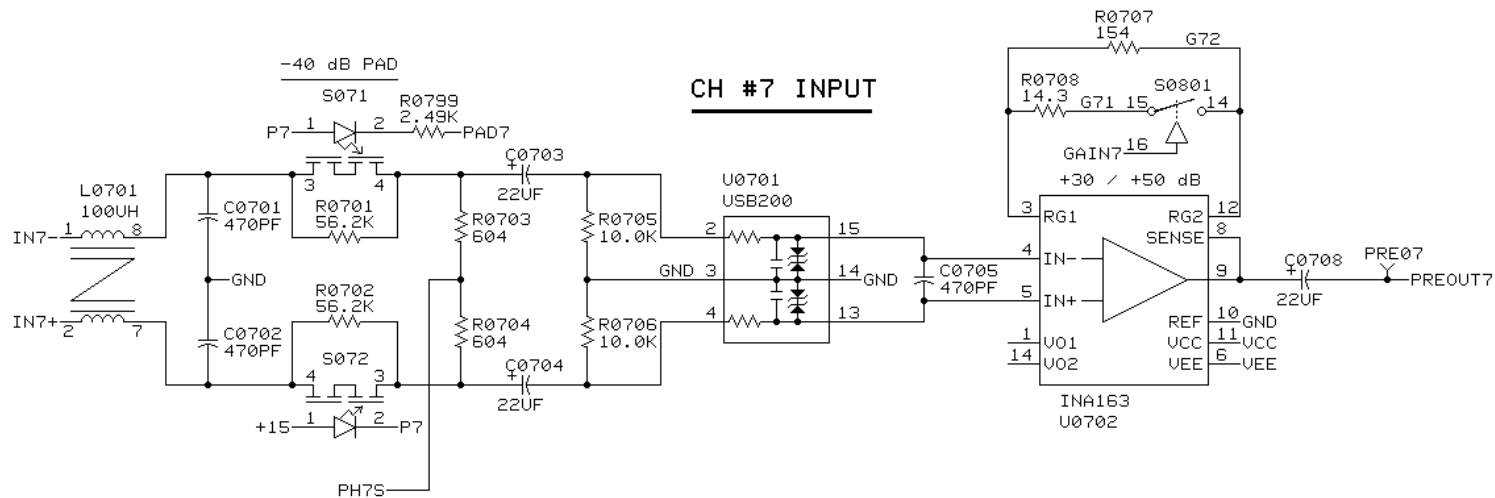
IUIE Technologies, Inc

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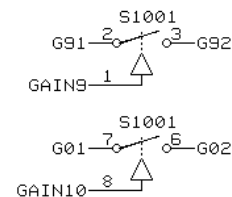
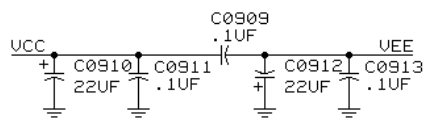
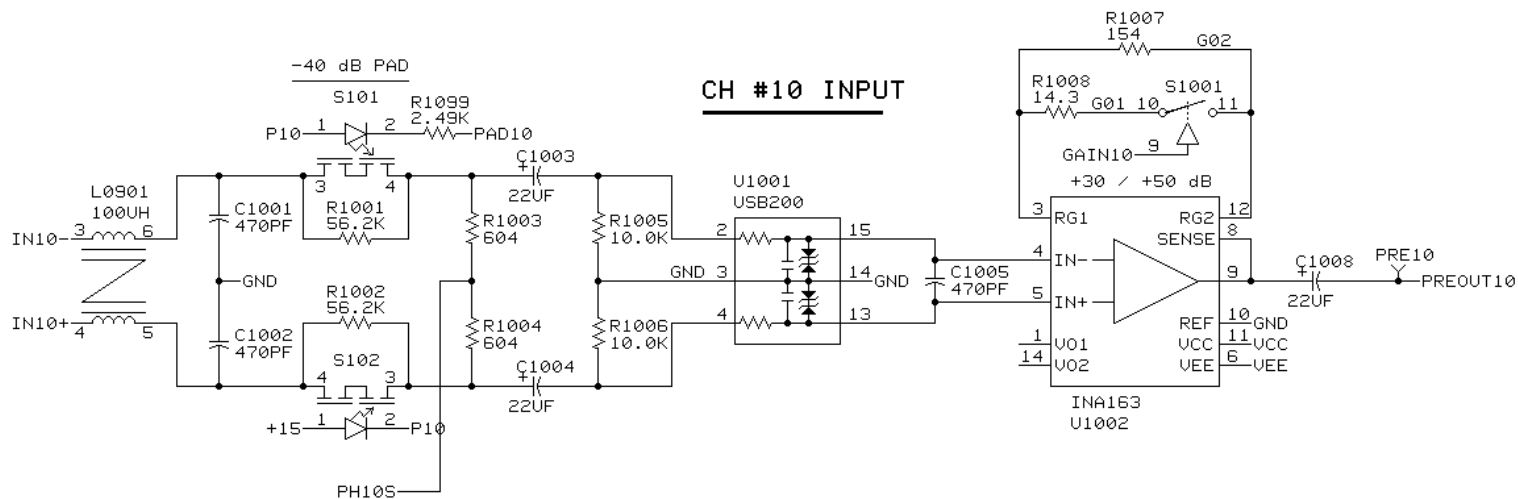
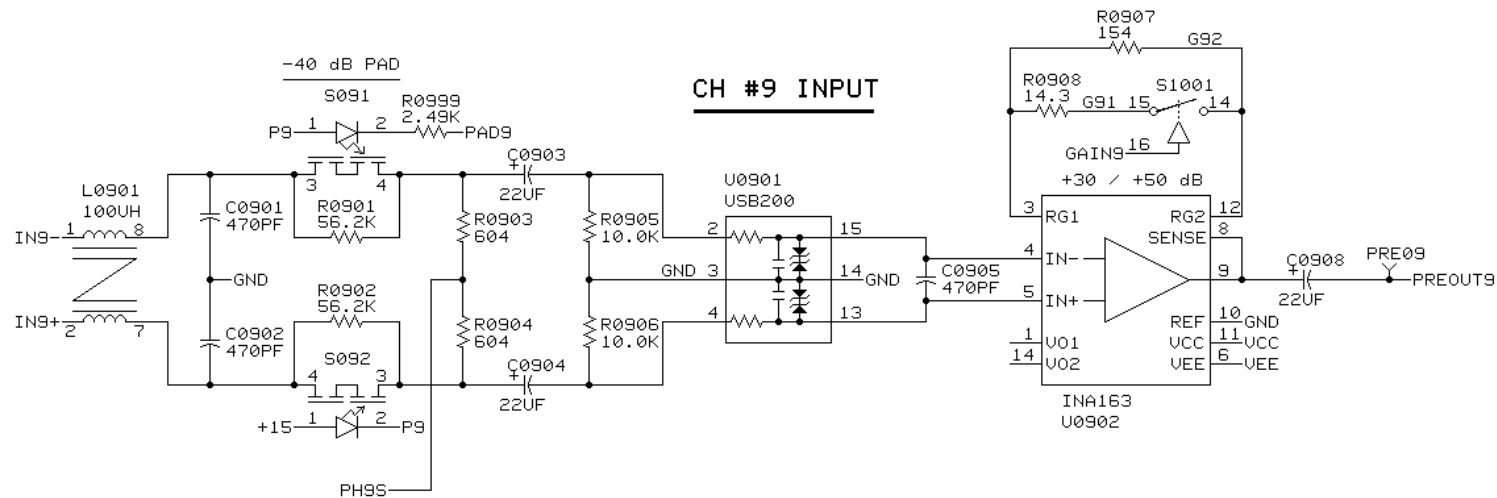
1026 Integrated Mixer

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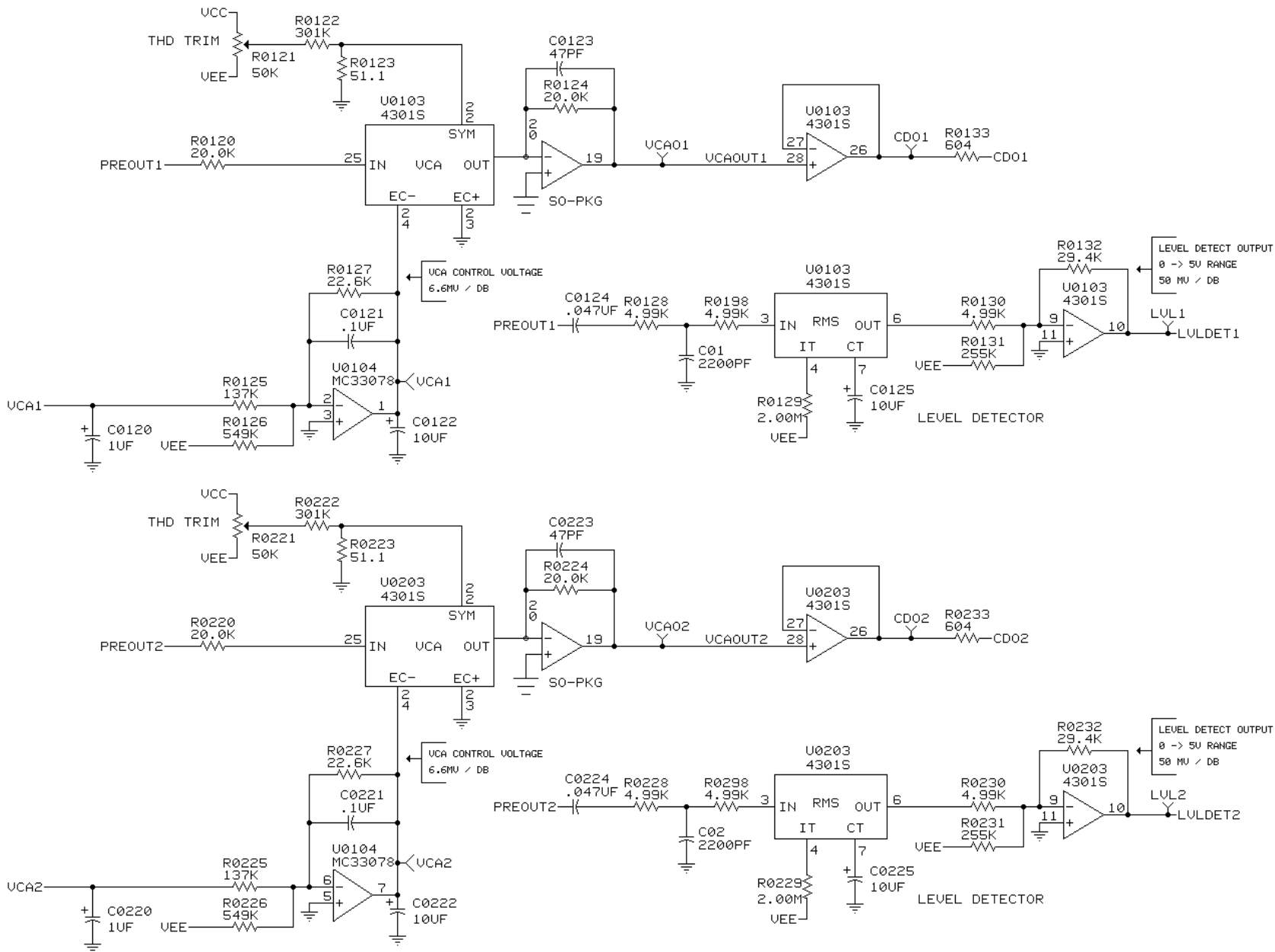
IUIE Technologies, Inc

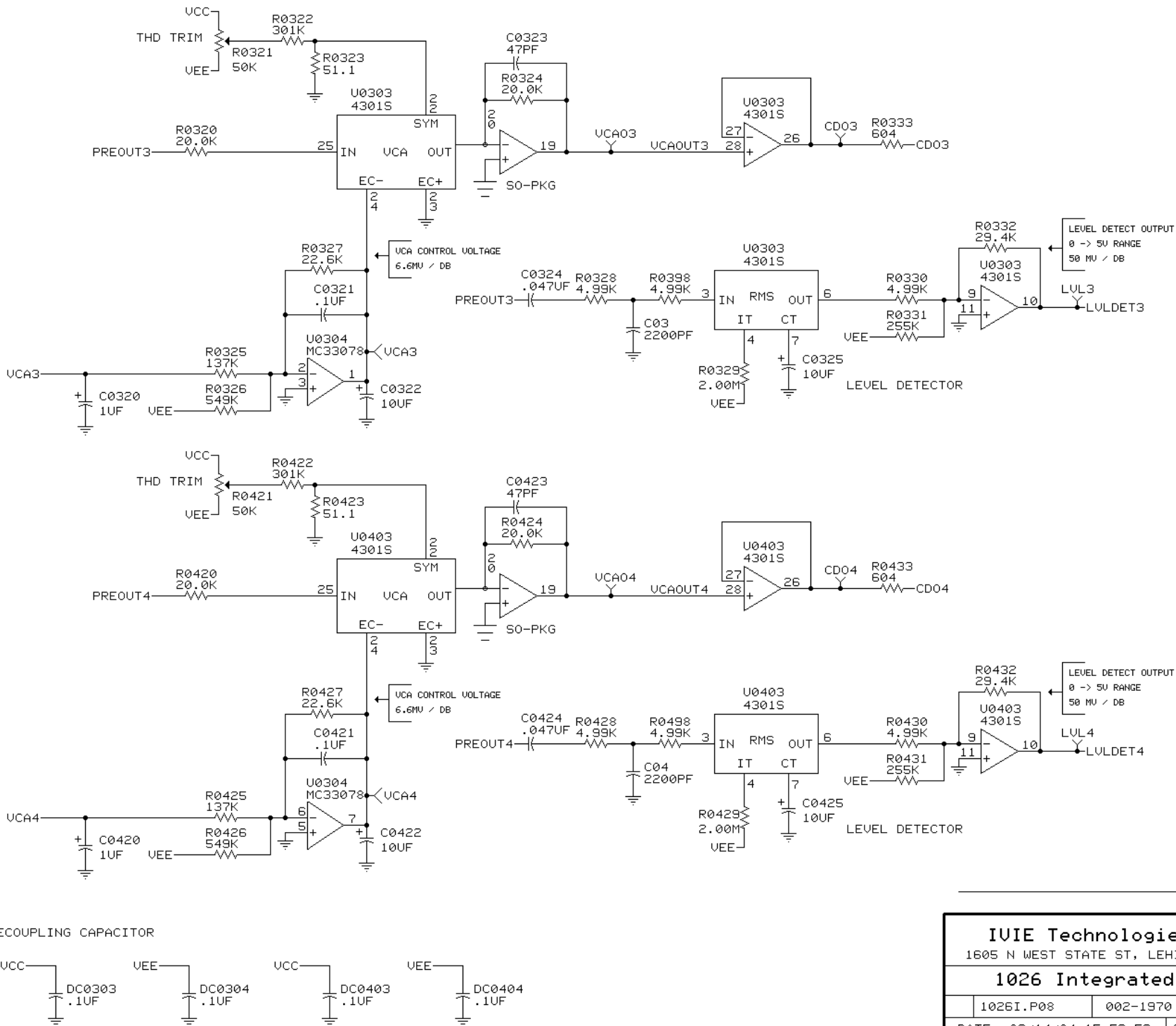
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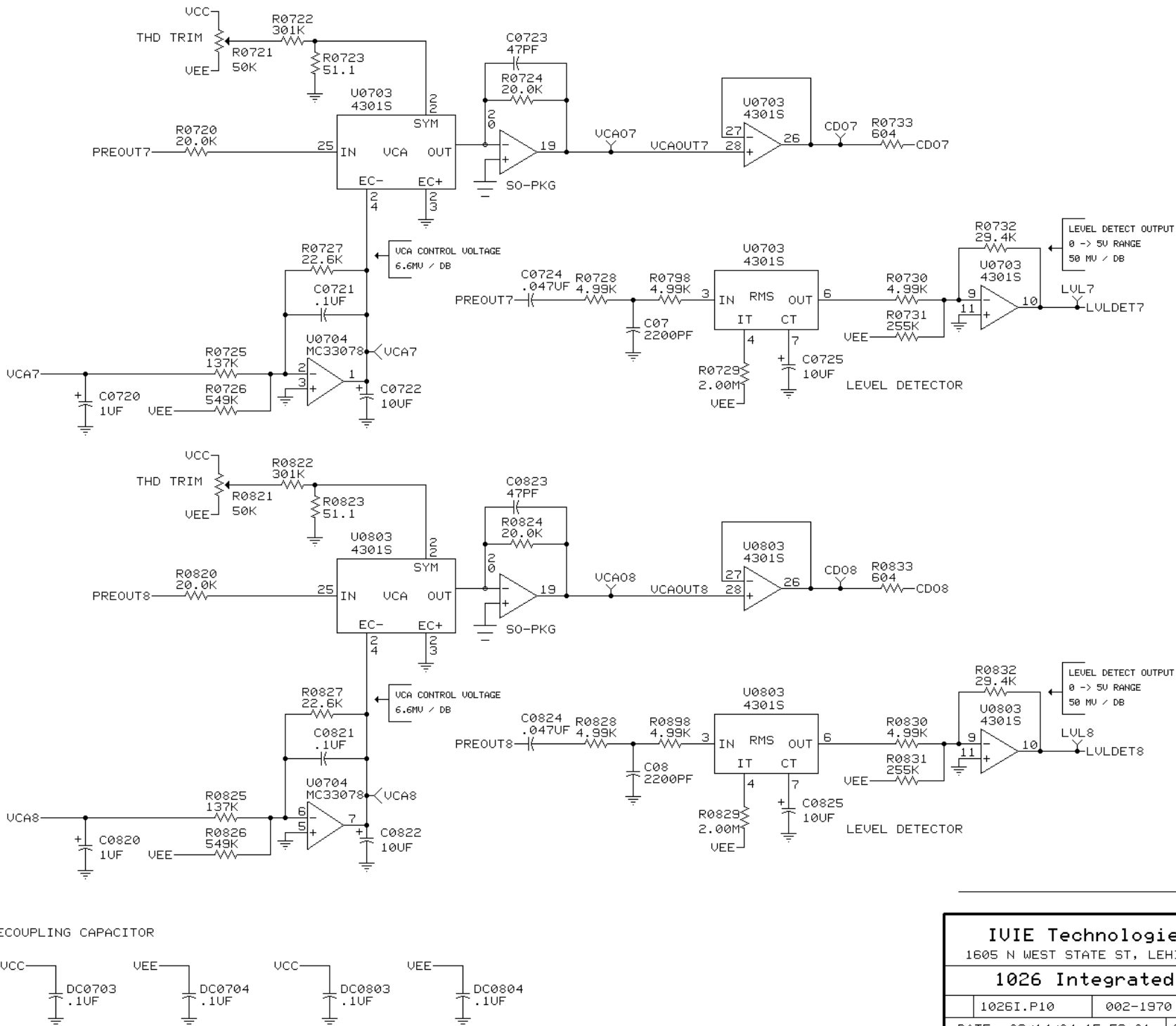
1026 Integrated Mixer

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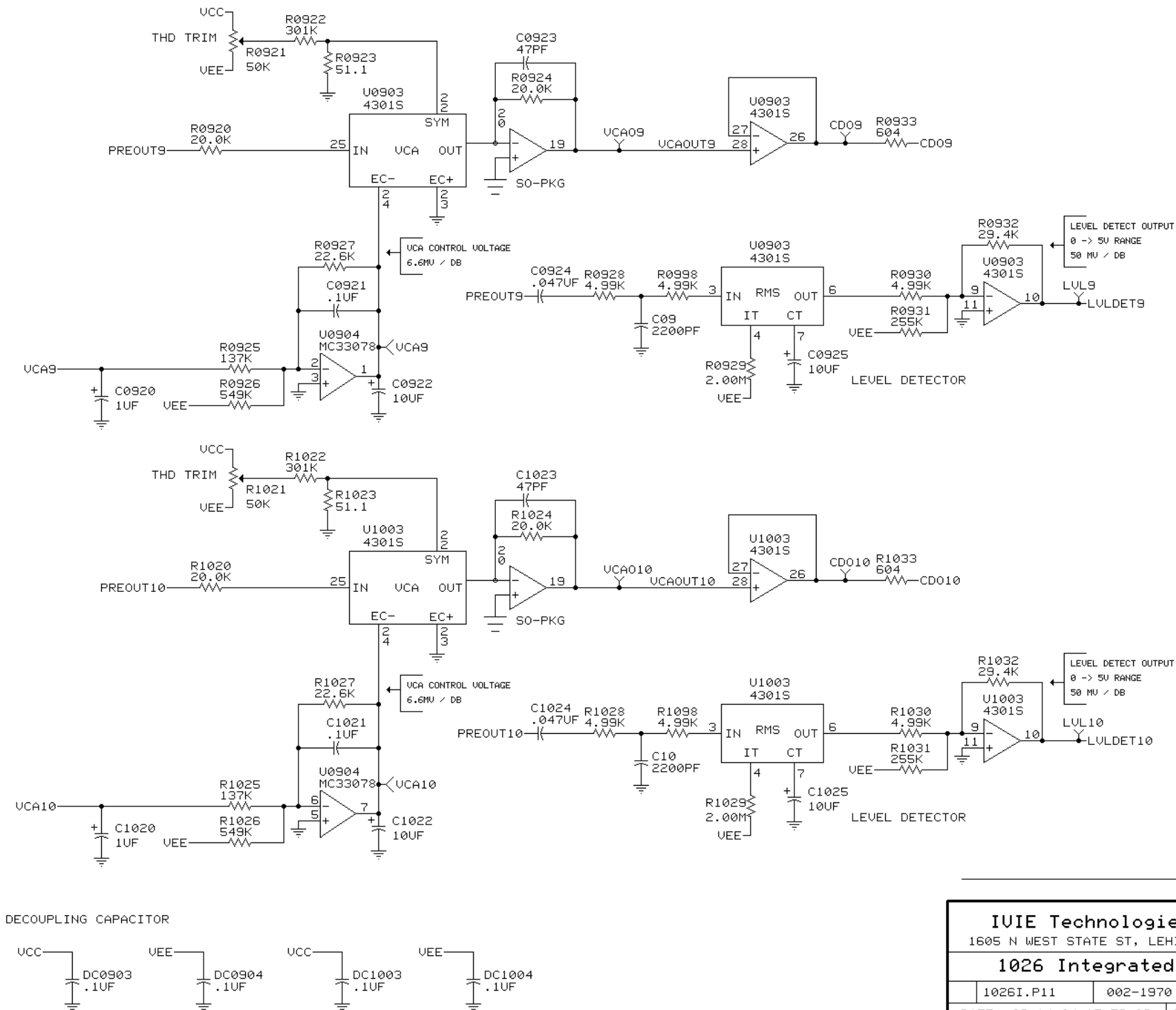


D

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

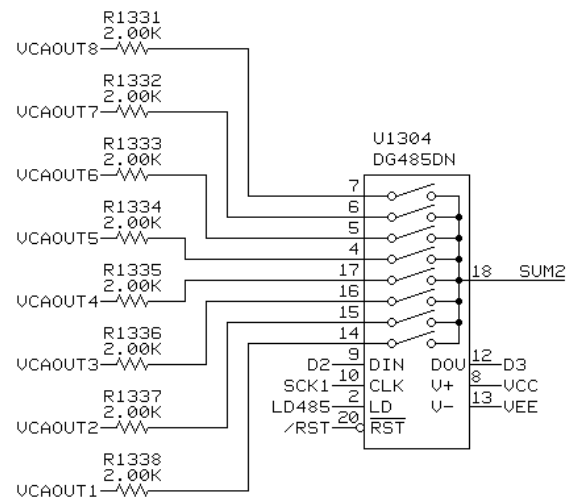
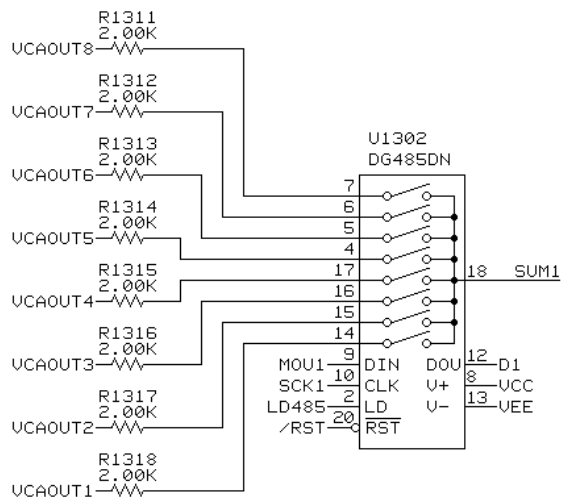
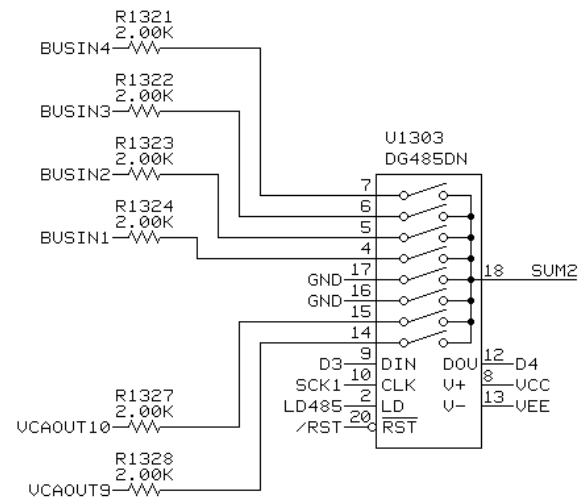
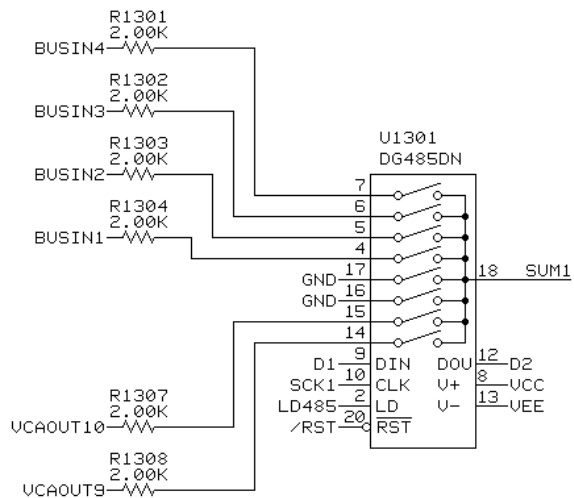
IVIE Technologies, Inc

1605 NW STATE STREET, LEHI, UTAH 84043

1026 Integrated Mixer

D	1026I.P12	002-1970	REV D0
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DATE: 06/14/04 15:53:04	SHEET 12 OF 16
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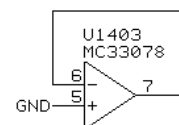
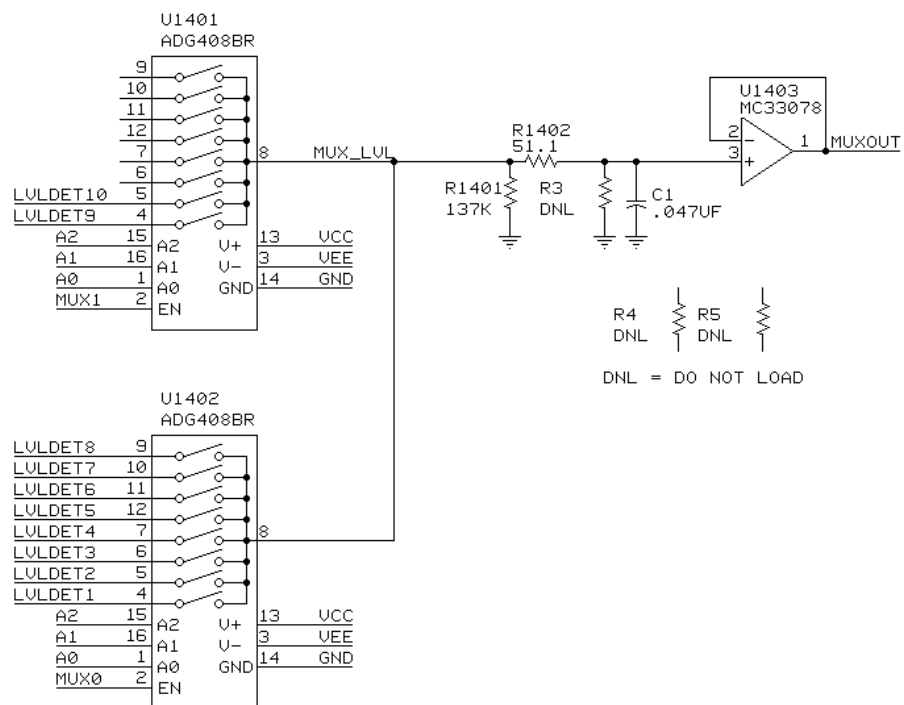
R1340
504
SCK—SCK1

R1341
504
MOU—MOU1

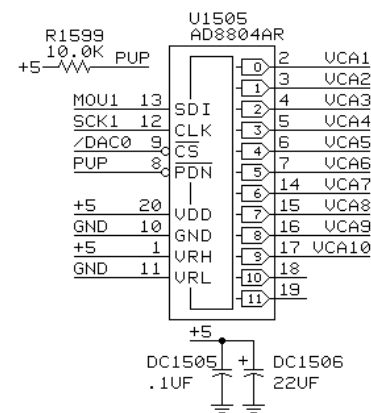
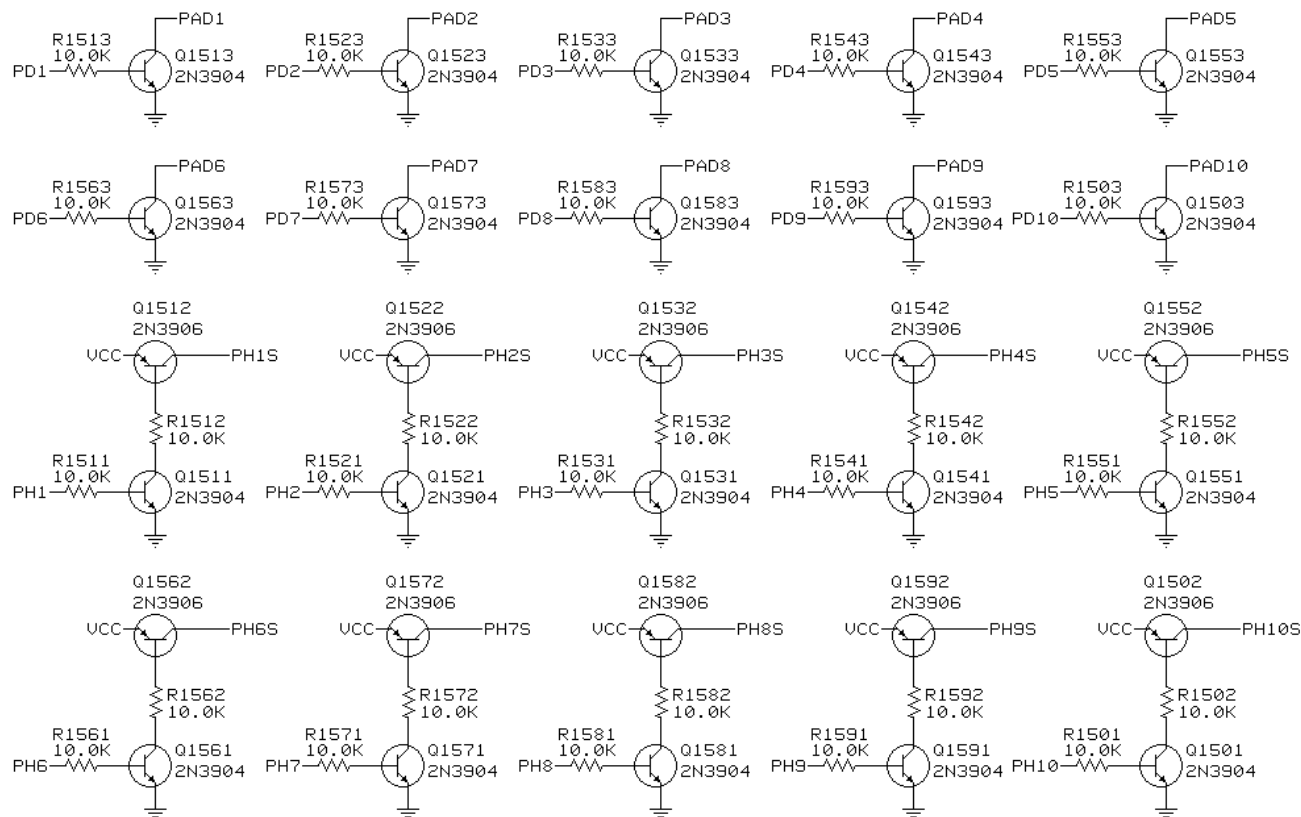
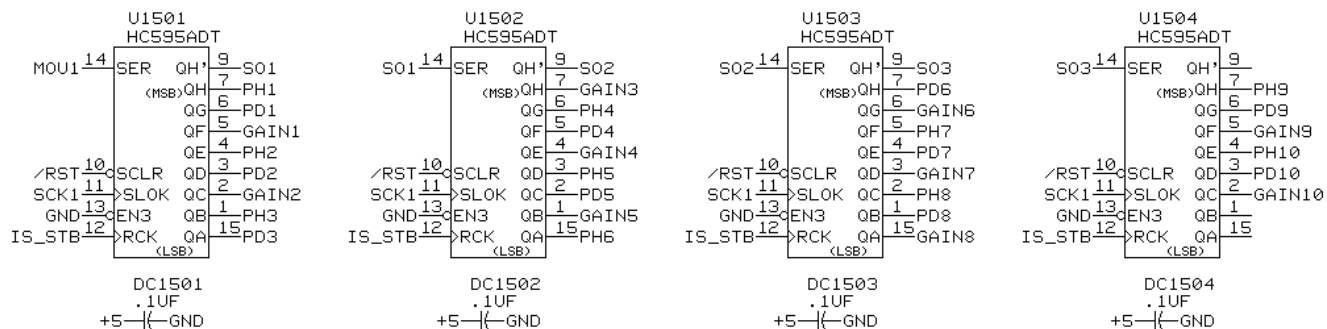
IVIE Technologies, Inc
1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

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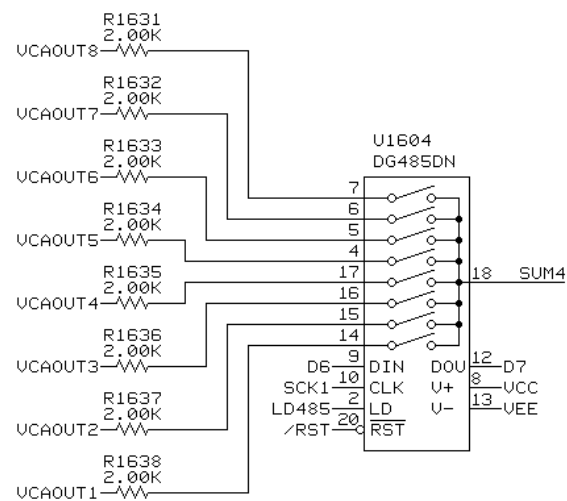
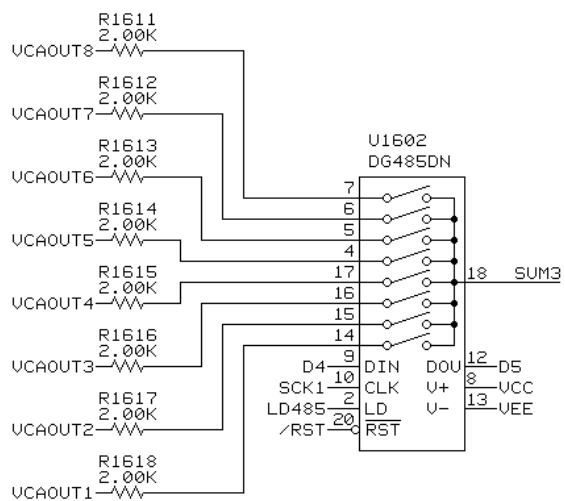
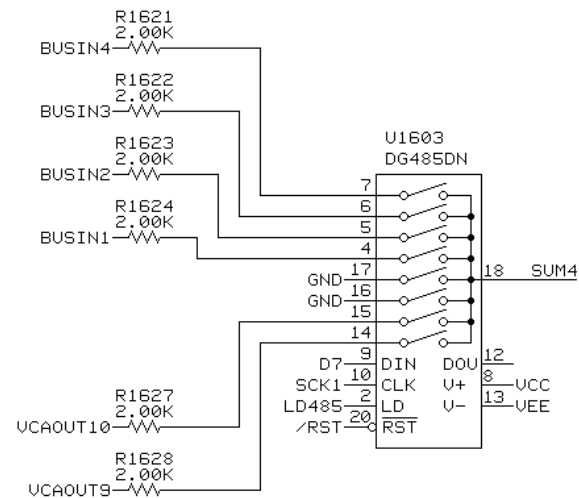
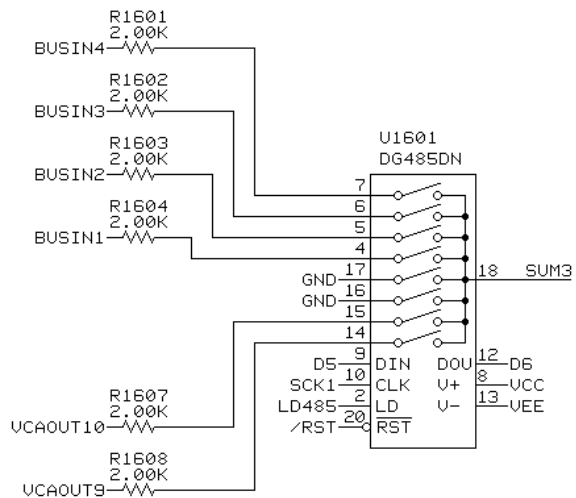
IUIE Technologies, Inc 1605 N WEST STATE ST, LEHI, UTAH 84043			
1026 Integrated Mixer			
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IUIE Technologies, Inc
 1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D	1026I.P15	002-1970	REV D0
DATE: 06/14/04 15:53:07		SHEET 15 OF 16	



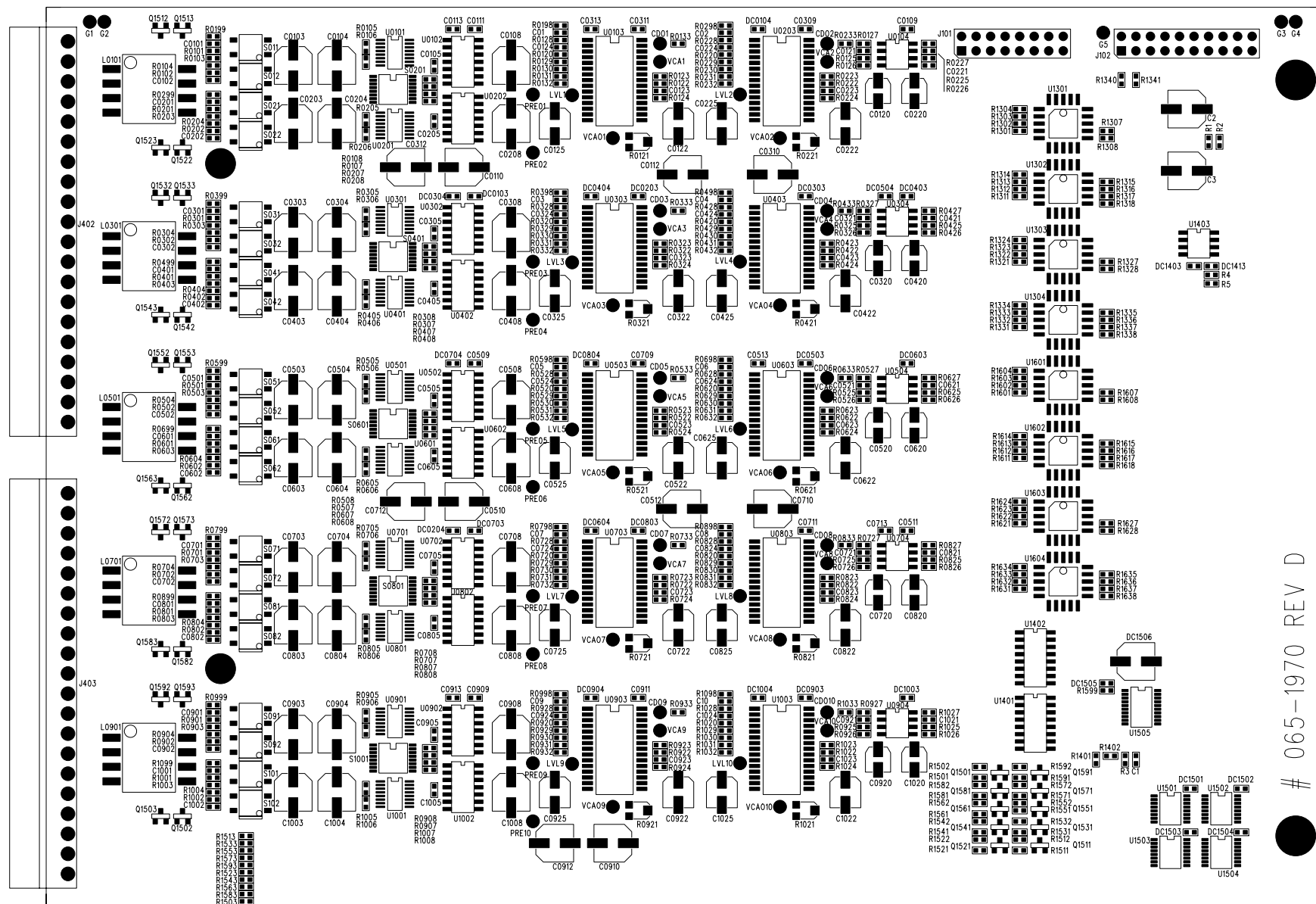
IVIE Technologies, Inc

1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

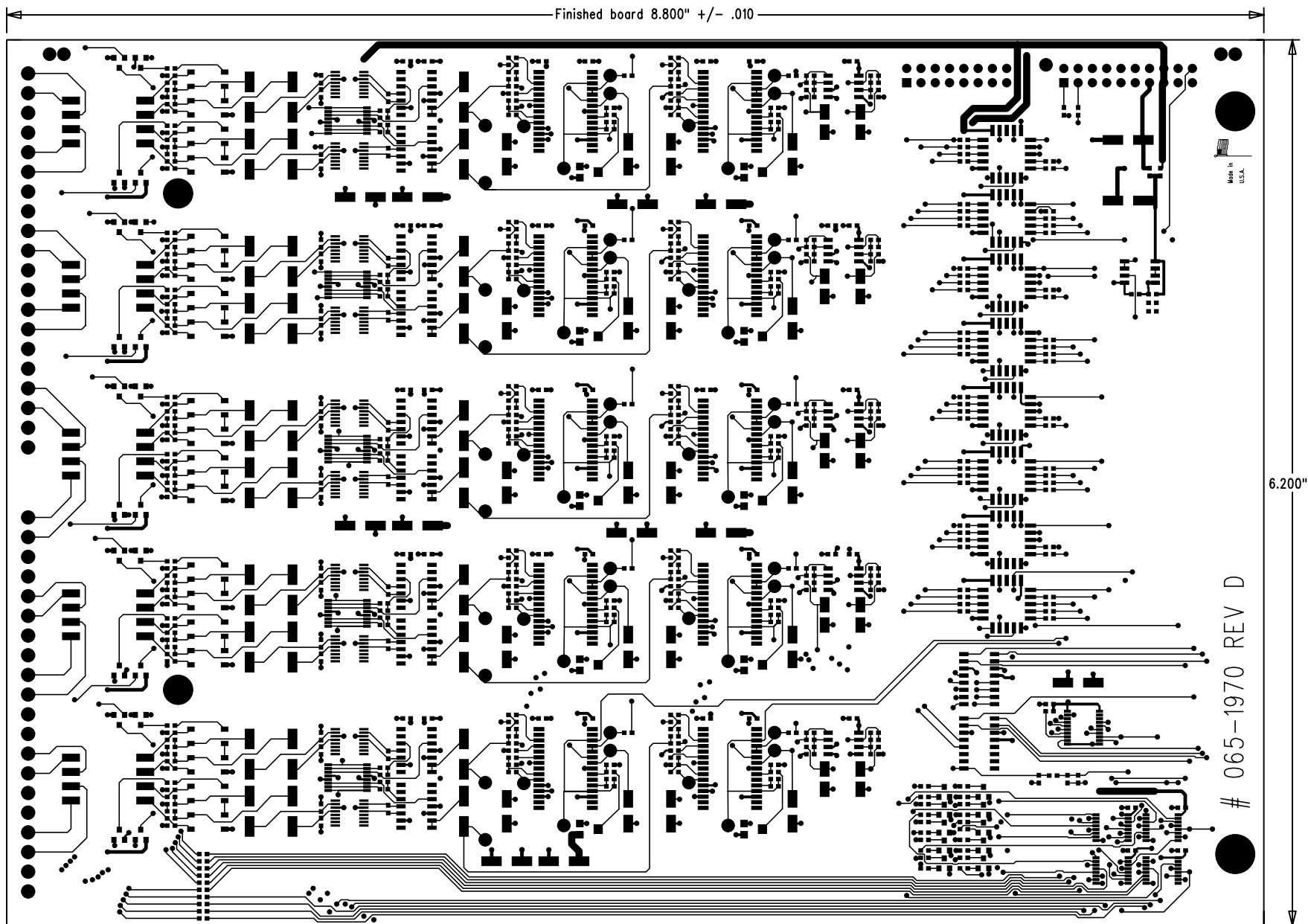
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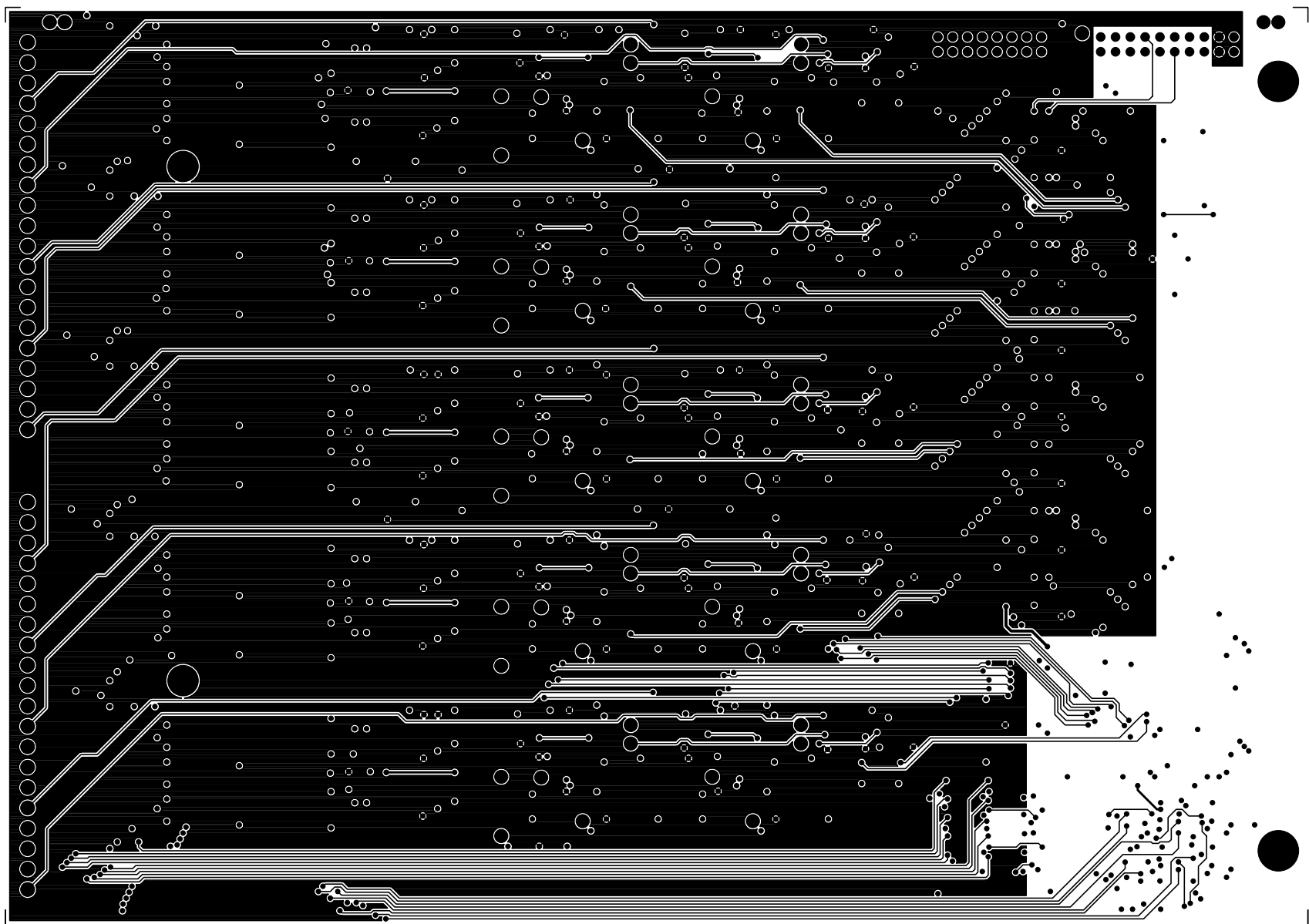


		Ivie Technologies, Inc.
		June 11, 2004
	ASSEMBLY DRAWING TOP	# 065-1970 REV D

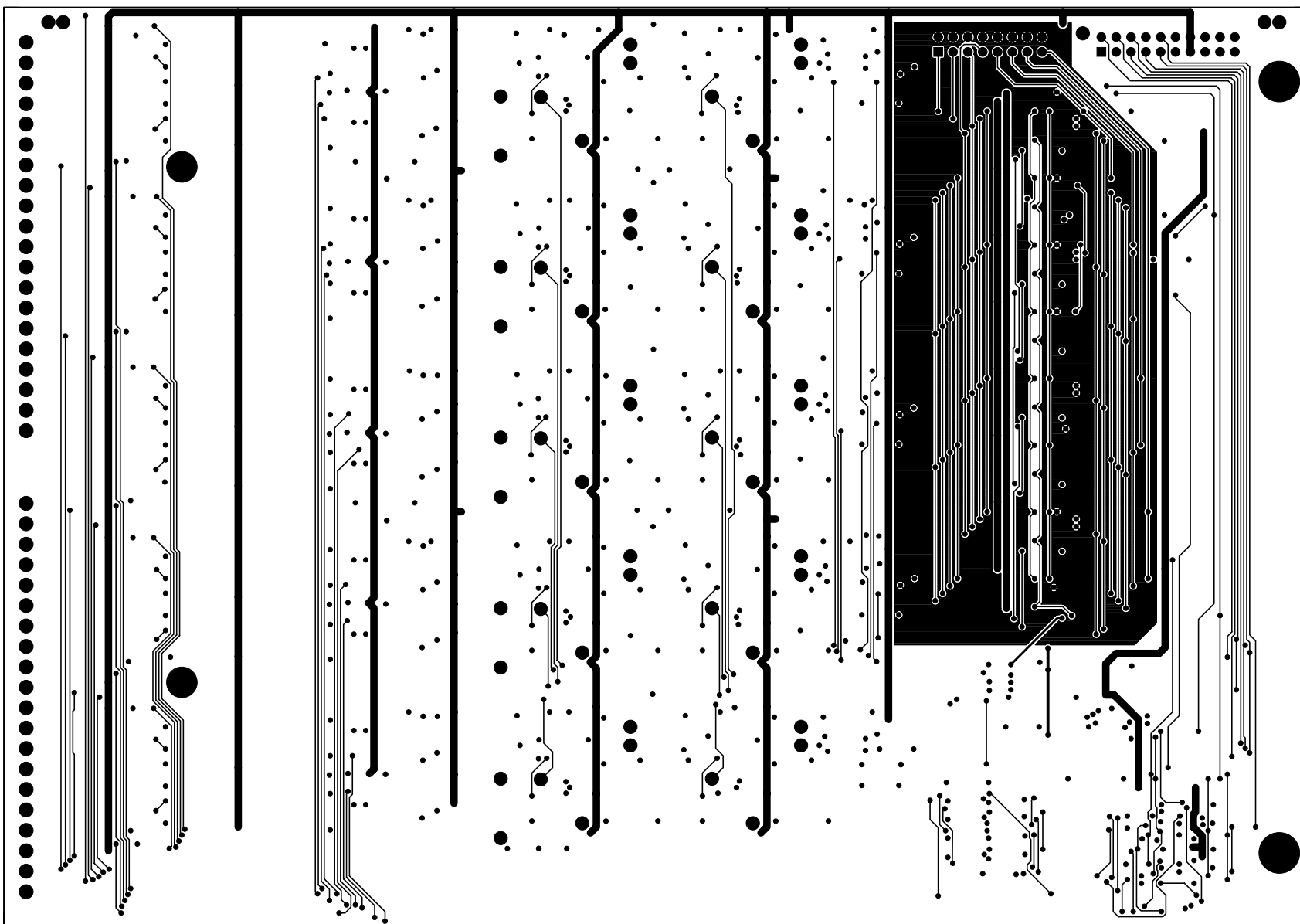
	TOP SILK SCREEN	Ivie Technologies, Inc.
		June 11, 2004
		# 065-1970 REV D



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



		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

Finished board 8.800" +/- .010

6.200"

065-1970 REV G

BRDL1 TOP COPPER	BRDL2 PLANE_GND	BRDL3 PLANE_VEE	BRDL4 BOTTOM COPPER
	TOP SILK SCREEN		Ivie Technologies, Inc.
			Sept 18, 2007
			# 065-1970 REV G

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 G 1026 Input Board Bill Of Materials

04/16/2008



Parts List for Assembly P/N: 005-1970_G1

Printed 8/19/2013

005-1970_G1

Assembly, 1026 Universal Input Board
Using THAT 1512

Type	PL	Size
Revision	G1	PCB Decal
Status	U	DataSheet
Date	4/16/2008	PCB Mfr P/N
By		Stock Bin

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
1	1	065-1970	PCB, 1026 Input Daughter	Precision Technology			
2	59	107-0020	SMT Cap, 0.1uF, 25v, Y5V, 0603	Rohm	511-1186-1-ND	MCH182FN104ZK	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, DC1, DC2, DC3, DC4, DC5, DC6, DC7, 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	AVX	06035A471KAT2A	06035C471KAT2A	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	Meritek	MA 0603XR473K250	MA 0603XR473K250	C0124, C0224, C0324, C0424, C0524, C0624, C0724, C0824, C0924, C1024
5	11	107-0100	SMT Cap, 47pF, 50v, NPO, 5%, 0603	Meritek	MA 0603CG470J500	MA 0603CG470J500	C1, C0123, C0223, C0323, C0423, C0523, C0623, C0723, C0823, C0923, C1023
6	10	107-X090	SMT Cap, 2200pF, 50v, X7R, 0603	Panasonic	PCC1776CT-ND	ECJ-1VB1H222K	C01, C02, C03, C04, C05, C06, C07, C08, C09, C10
7	10	109-0010	SMT Elec, 1UF, 50v, 4mm Dia Case	Nichicon	493-2130-1-ND	UWX1H010MCL1GB	C0120, C0220, C0320, C0420, C0520, C0620, C0720, C0820, C0920, C1020
8	20	109-0020	SMT Elec, 10UF, 25v, 5mm Dia Case	Nichicon	647-UWX1E100MCR1	UWX1E100MCR1GB	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	Nichicon	UWX1E220MCR1GB	UWX1E220MCR1GB	C2, C3, 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, DC1506

Parts List for Assembly P/N: 005-1970_G1

Assembly, 1026 Universal Input Board
Using THAT 1512

005-1970_G1

Rev G1

Printed 8/19/2013

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
10	10	123-0010	SMT POT, Cermet Trimmer, 50K, 3mm	Vishay - Spectrol		3H-50K	R0121, R0221, R0321, R0421, R0521, R0621, R0721, R0821, R0921, R1021
12	11	127-0480	SMT Res, 137K, 1/16w, 1%, 0603	Panasonic	P137KHTR-ND	ERJ-3EKF1373V	R0125, R0225, R0325, R0425, R0525, R0625, R0725, R0825, R0925, R1025, R1401
13	10	127-0152	SMT Res, 11.0ohm, 1/16w, 1%, 0603	Panasonic	P11.0HTR-ND	ERJ-3EKF11R0V	R0108, R0208, R0308, R0408, R0508, R0608, R0708, R0808, R0908, R1008
14	10	127-0340	SMT Res, 124ohm, 1/16w, 1%, 0603	Panasonic	P124MHTR-ND	ERJ-3EKF1240V	R0107, R0207, R0307, R0407, R0507, R0607, R0707, R0807, R0907, R1007
15	25	127-0980	SMT Res, 2.00K, 1/16w, 1%, 0603	Panasonic	P2.00KHTR-ND	ERJ-3EKF2001V	R5,R1303, R1304, R1307, R1308, R1311, R1312, R1313, R1314, R1315, R1316, R1317, R1318, R1323, R1324, R1327, R1328, R1331, R1332, R1333, R1334, R1335, R1336, R1337, R1338
16	20	127-0990	SMT Res, 20.0K, 1/16w, 1%, 0603	Panasonic	P20.0KHTR-ND	ERJ-3EKF2002V	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	Panasonic	P2.00MHTR-ND	ERJ-3EKF2005V	R0129, R0229, R0329, R0429, R0529, R0629, R0729, R0829, R0929, R1029
18	10	127-1190	SMT Res, 22.6K, 1/16w, 1%, 0603	Panasonic	P22.6KMHTR-ND	ERJ-3EKF2262V	R0127, R0227, R0327, R0427, R0527, R0627, R0727, R0827, R0927, R1027
19	10	127-1310	SMT Res, 2.49K, 1/16w, 1%, 0603	Panasonic	P2.49KMHTR-ND	ERJ-3EKF24291V	R0199, R0299, R0399, R0499, R0599, R0699, R0799, R0899, R0999, R1099
20	10	127-1370	SMT Res, 255K, 1/16w, 1%, 0603	Panasonic	P255KMHTR-ND	ERJ-3EKF2553V	R0131, R0231, R0331, R0431, R0531, R0631, R0731, R0831, R0931, R1031
21	10	127-1550	SMT Res, 29.4K, 1/16w, 1%, 0603	Panasonic	P29.4KMHTR-ND	ERJ-3EKF2942V	R0132, R0232, R0332, R0432, R0532, R0632, R0732, R0832, R0932, R1032
22	10	127-1590	SMT Res, 301K, 1/16w, 1%, 0603	Panasonic	P301KMHTR-ND	ERJ-3EKF3013V	R0122, R0222, R0322, R0422, R0522, R0622, R0722, R0822, R0922, R1022
23	30	127-2220	SMT Res, 4.99K, 1/16w, 1%, 0603	Panasonic	P4.99KHTR-ND	ERJ-3EKF4991V	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, 51.1ohm, 1/16w, 1%, 0603	Panasonic	P51.1HTR-ND	ERJ-3EKF51R1V	R1, R0123, R0223, R0323, R0423, R0523, R0623, R0723, R0823, R0923, R1023, R1402
25	10	127-2400	SMT Res, 549K, 1/16w, 1%, 0603	Panasonic	P549KMHTR-ND	ERJ-3EKF5493V	R0126, R0226, R0326, R0426, R0526, R0626, R0726, R0826, R0926, R1026

Parts List for Assembly P/N: 005-1970_G1

Assembly, 1026 Universal Input Board
Using THAT 1512

005-1970_G1

Rev G1

Printed 8/19/2013

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
26	20	127-2420	SMT Res, 56.2K, 1/16w, 1%, 0603	Panasonic	P56.2K,KMHTR-ND	ERJ-3EKF5622V	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, 604ohm, 1/16w, 1%, 0603	Panasonic	P604HTR-ND	ERJ-3EKF6040V	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	Philips Semiconductor		PMBT3904	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	MicroCommercial	MMBT3906-TPCT-ND	MMBT3906-TP	Q1502, Q1512, Q1522, Q1532, Q1542, Q1552, Q1562, Q1572, Q1582, Q1592
30	20	180-0110	Relay, SMT, PhotoMOS, 25ohm	Aromat	AQY210S = 100p TUBE, AQY210SX = 1000p REEL	AQY210S	S011, S012, S021, S022, S031, S032, S041, S042, S051, S052, S061, S062, S071, S072, S081, S082, S091, S092, S101, S102
32	2	407-1060	Header, Screw Terminal, 20pin, 3.5mm Pitch	Weidmuller	SL 3.5/20/90 G 4.5AU SW	1804400000	J402, J403
33	6	430-0010	SMT IC, MC33078, Low Noise Dual Op Amp	Texas Instruments	296-17723-1-ND	MC33078DR	U0104, U0304, U0504, U0704, U0904, U1403
34	10	430-0095	SMT IC, ESD Protector	ON Semi	NUF2101MT1OSCT-ND	NUF2101MT1	U0101, U0201, U0301, U0401, U0501, U0601, U0701, U0801, U0901, U1001
36	1	430-0120	SMT IC, AD8804ARU, DAC, 8-Bit, 12-Ch	Analog Devices		AD8804ARU	U1505
37	10	430-0130	SMT IC, THAT4301S, Analog Engine	THAT			U0103, U0203, U0303, U0403, U0503, U0603, U0703, U0803, U0903, U1003
38	4	430-0150	SMT IC, MC74HC595ADT, 8bit Shift Reg	ON Semi	...595ADT = 96/Tube, ...595ADT/R = 2500/Reel	MC74HC595ADT	U1501, U1502, U1503, U1504
39	2	430-0160	SMT IC, DG408, 8:1 Analog Mux	Maxim		DG408CY	U1401, U1402
40	5	430-0170	SMT IC, MAX4602CAE, Quad Analog Sw	Maxim	Commercial Temp	MAX4602CAE+	S0201, S0401, S0601, S0801, S1001
41	3	430-1026-001	SMT IC, Analog Switch, 8PST, 24-SOIC	Maxim	MAX335CWG+-ND	MAX335CWG+	U1,U2,U3

Parts List for Assembly P/N: 005-1970_G1

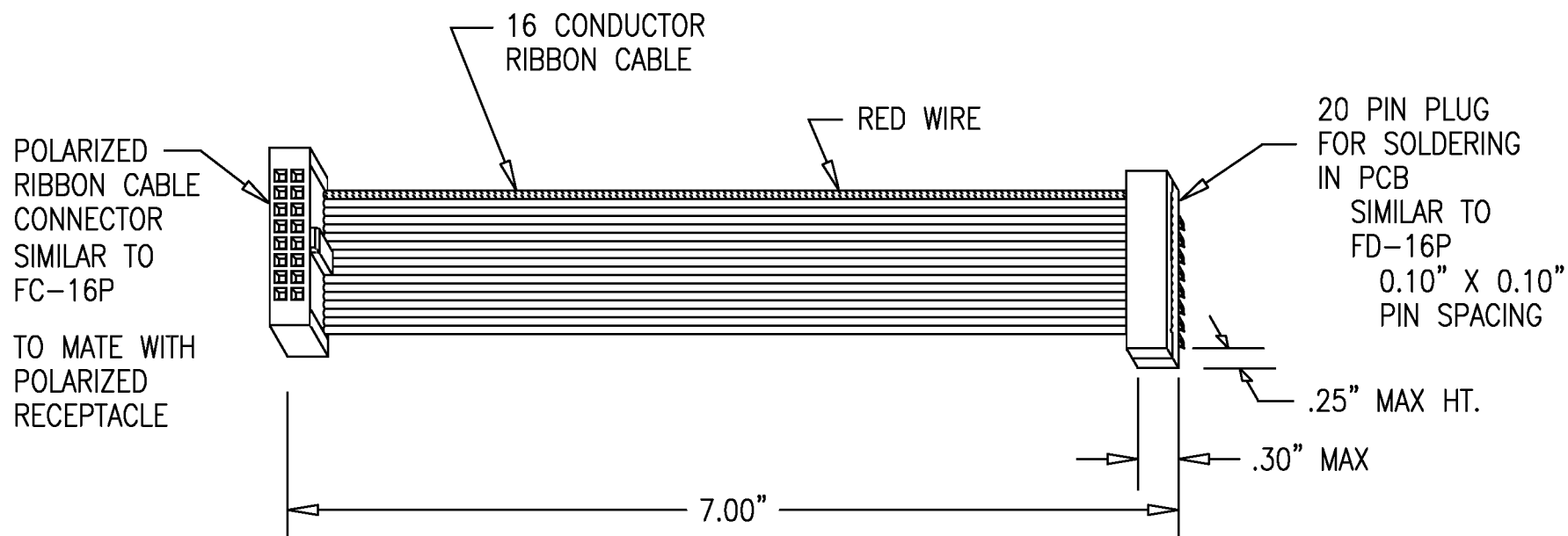
Assembly, 1026 Universal Input Board
Using THAT 1512

005-1970_G1

Rev G1

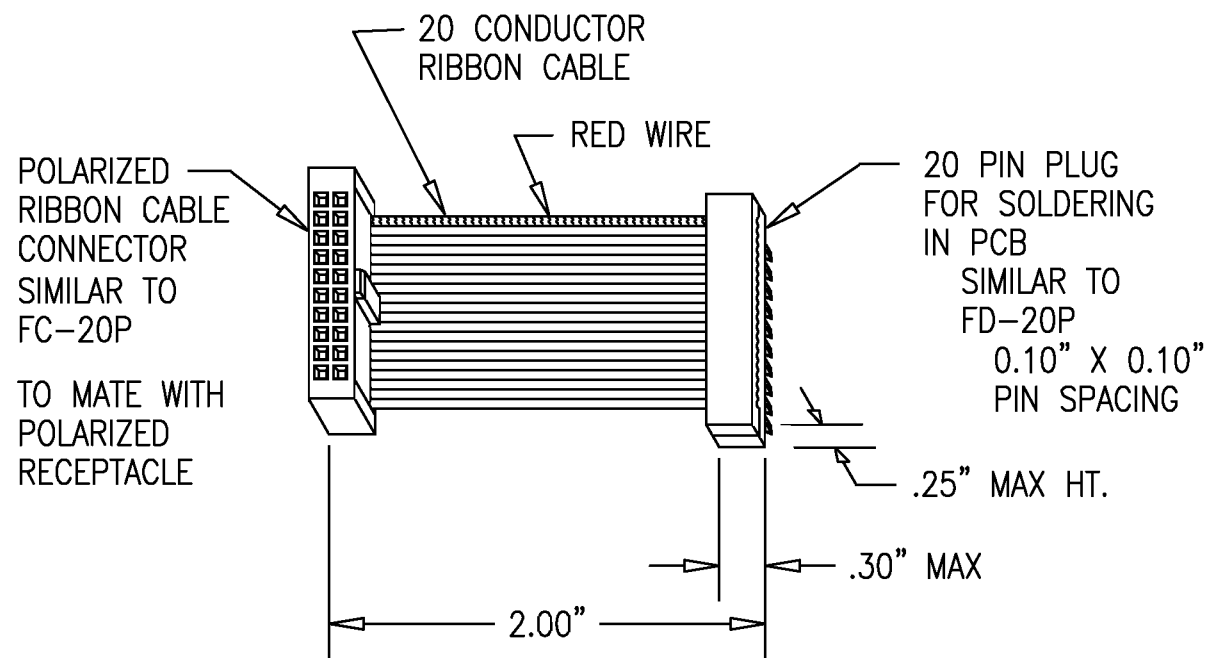
Printed 8/19/2013

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
45	59	999-9999	HOLES and FIDUCIALS - DO NOT LOAD	NONE			CDO1, CDO2, CDO3, CDO4, CDO5, CDO6, CDO7, CDO8, CDO9, CDO10, G1, G2, G3, G5, G6, LVL1, LVL2, LVL3, LVL4, LVL5, LVL6, LVL7, LVL8, LVL9, LVL10, MT22, MT23, MT25, MT26, PRE01, PRE02, PRE03, PRE04, PRE05, PRE06, PRE07, PRE08, PRE09, PRE10, VCA1, VCA2, VCA3, VCA4, VCA5, VCA6, VCA7, VCA8, VCA9, VCA10, VCAO1, VCAO2, VCAO3, VCAO4, VCAO5, VCAO6, VCAO7, VCAO8, VCAO9, VCAO10
11	51	127-0030	SMT Res, 10.0K, 1/16w, 1%, 0603	Panasonic	P10.0KHTR-ND	ERJ-3EKF1002V	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
43	1	672-0440	Cable, Assembly, Ribbon, 20cond	Ivie		672-0440	J102
42	1	672-0435	Cable, Assembly, Ribbon, 16cond	Ivie		672-0435	J101
44	14	999-9998	OPTIONAL_PARTS - DO NOT LOAD -		DO NOT LOAD		CX1, CX2, CX3, CX4, CX5, CX6, CX7, CX8, CX9, CX10, R2, R3, R4, R6
31	5	186-0050	SMT, Common Mode Choke, 100uH	Pulse		PE-67540	L0101, L0301, L0501, L0701, L0901
35	10	430-0110-ALT	SMT IC, Low Noise Inst Amp, THAT 1512	THAT	1512S14-U	1512S14-U	U0102, U0202, U0302, U0402, U0502, U0602, U0702, U0802, U0902, U1002



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

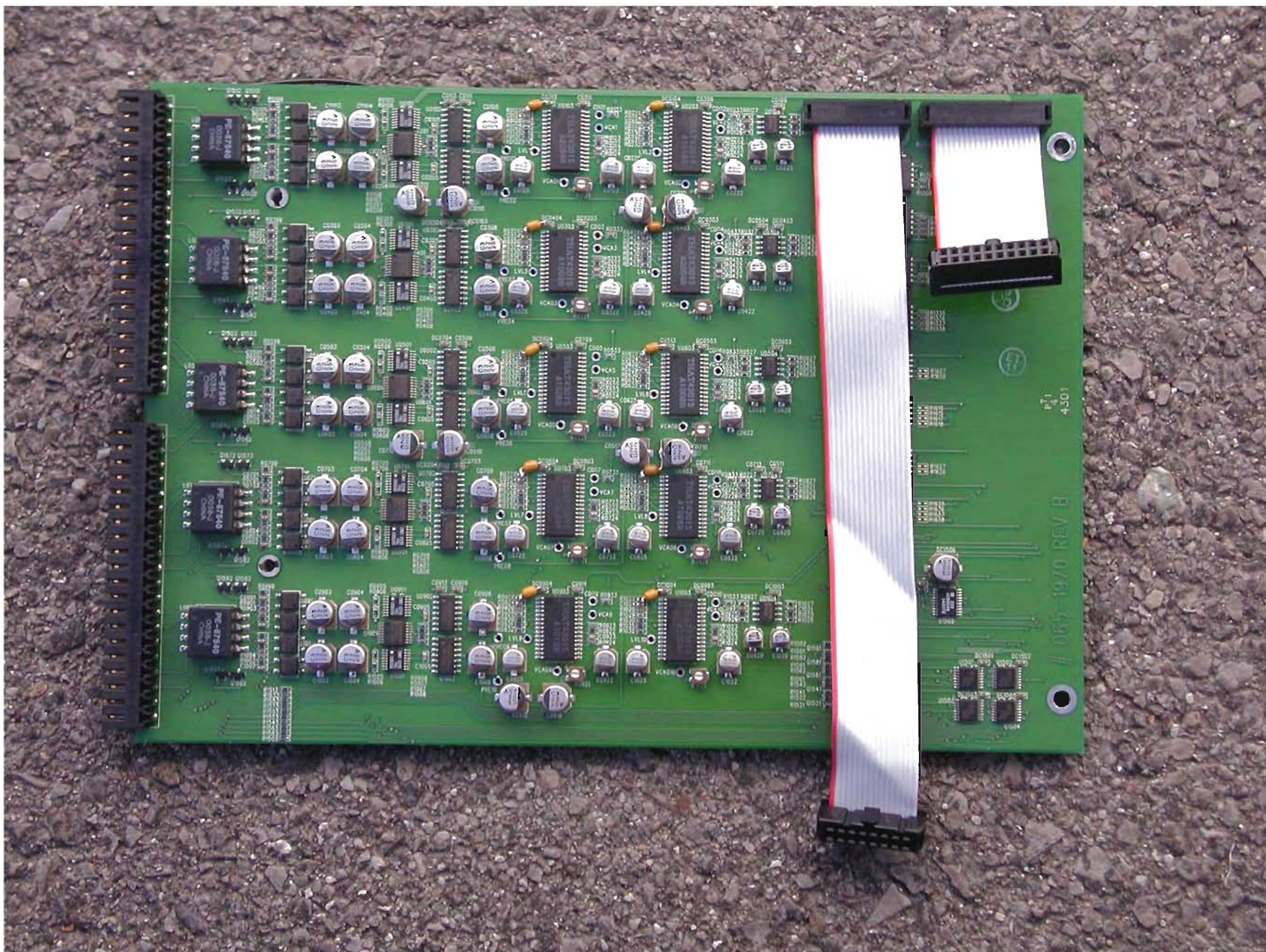


672-0440 REV B



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

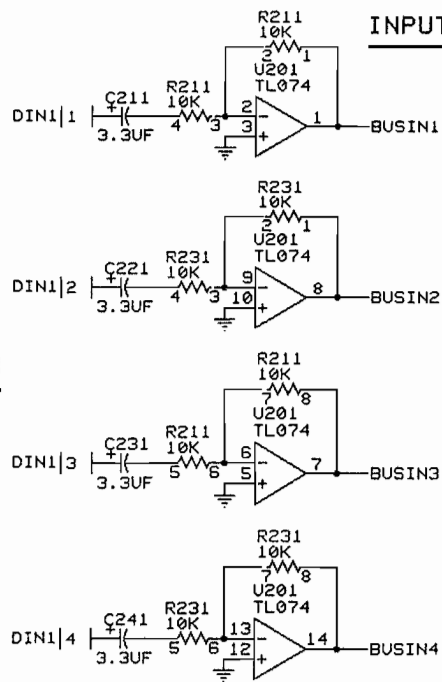


Ivie Technologies

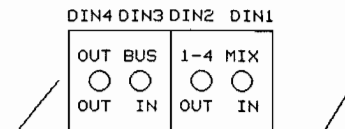
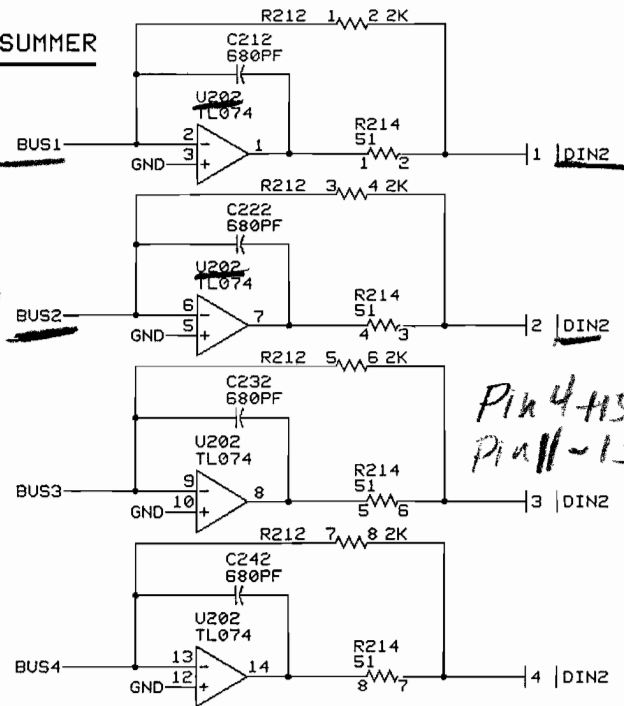
**005-1940 Rev B
1026 Main Board
Schematic**

October 2002

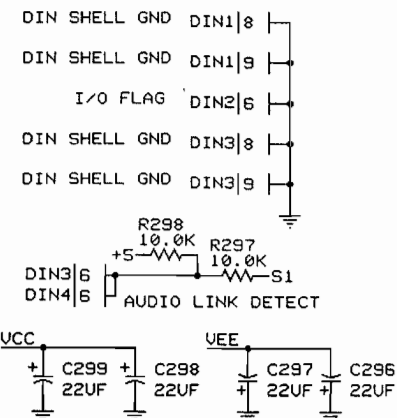
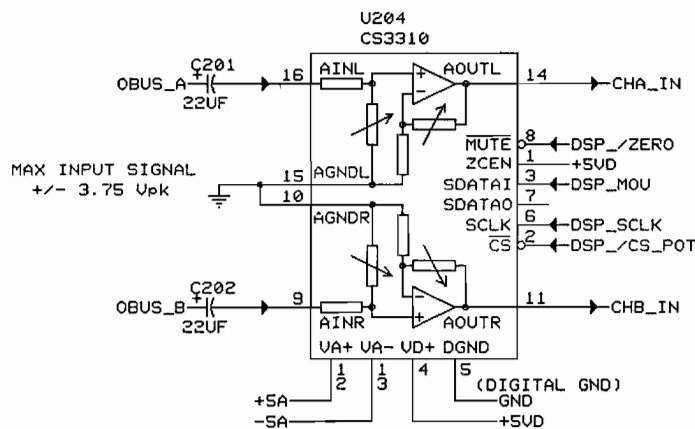
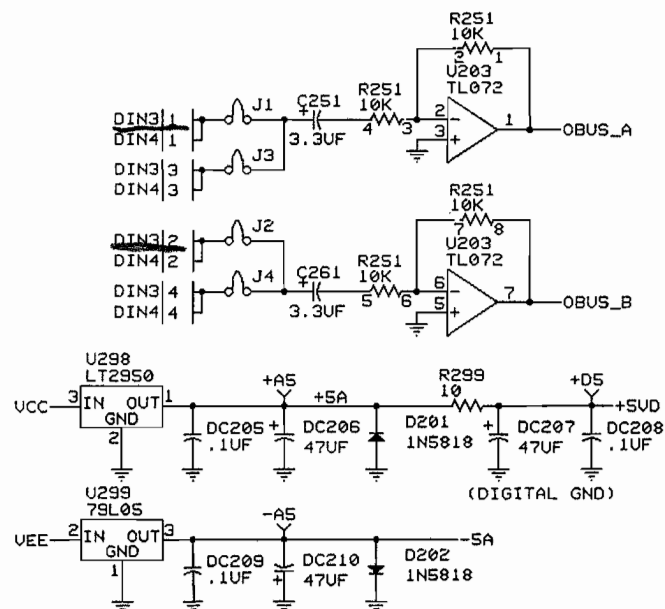




INPUT MIX BUS SUMMER

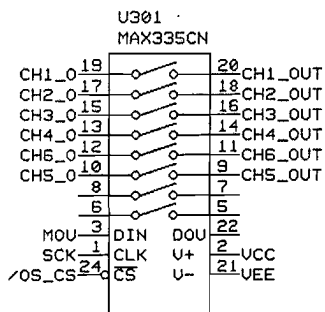


OUTPUT BUS RECEIVER

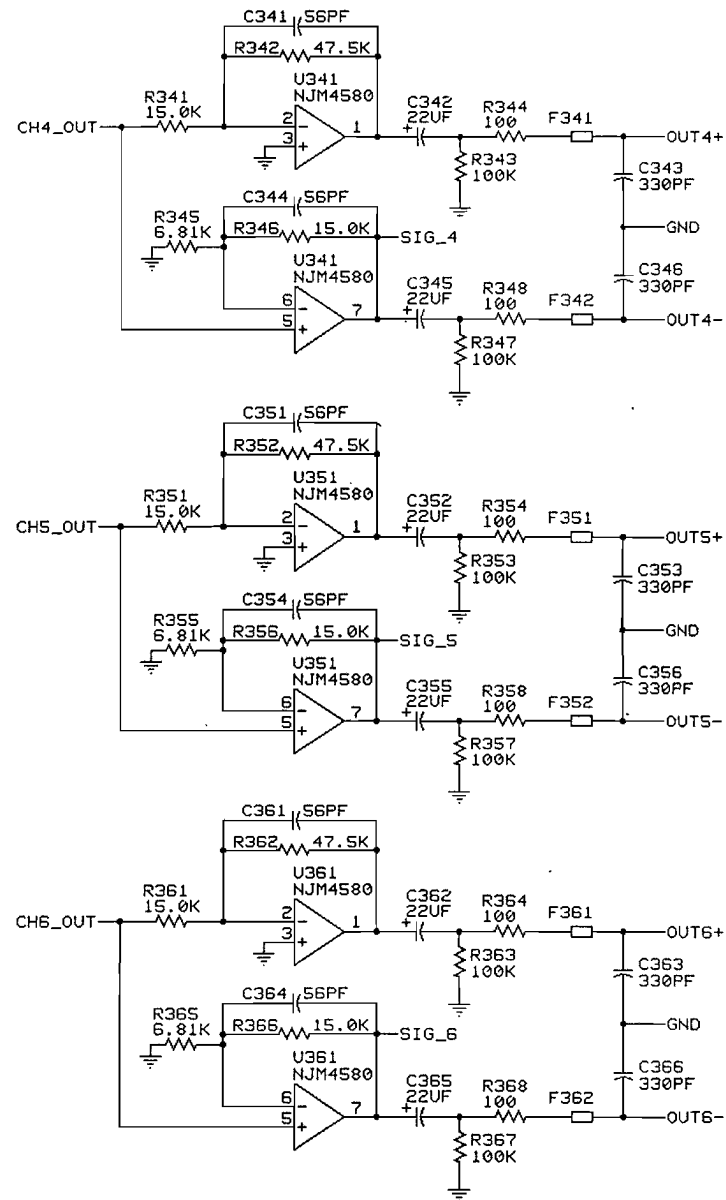
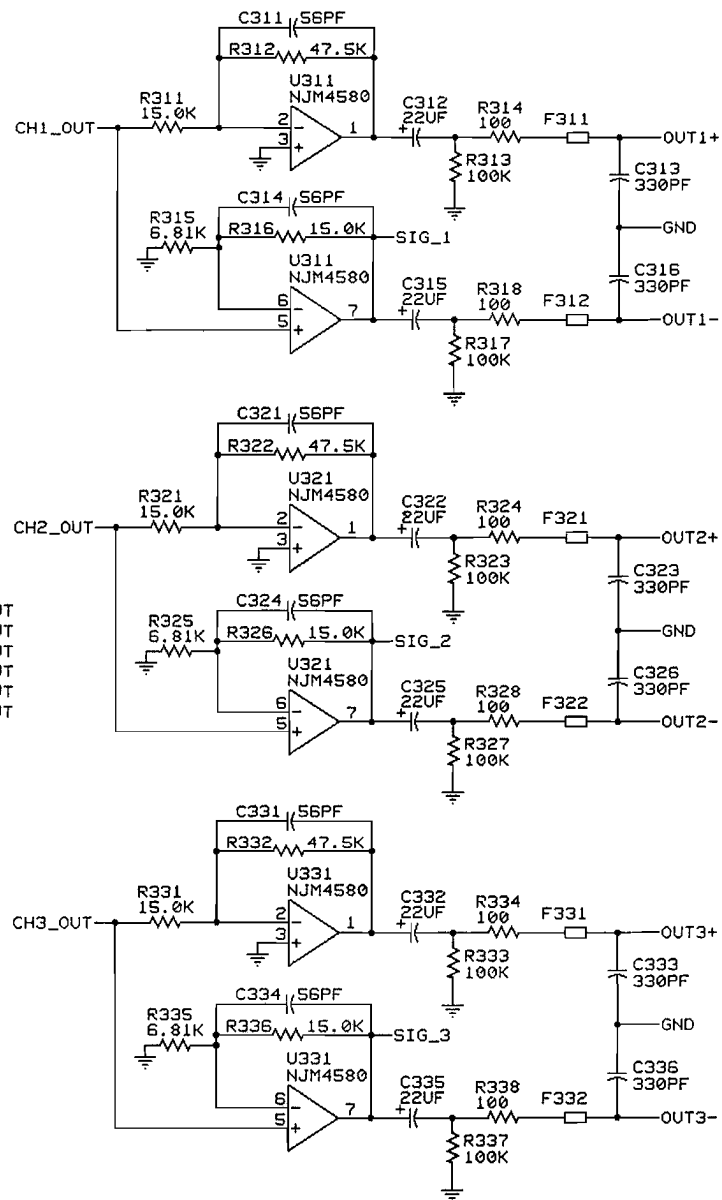
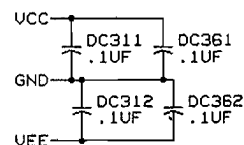


IUIE Technologies, Inc
1605 N WEST STATE ST, LEHI, UTAH 84043
1026 Integrated Mixer

D 1026M.P02 002-1940 REV B0
DATE: 10/15/02 16:00:26 SHEET 02 OF 10



R399
10.0K
+5V--/OS_CS
PWR-UP PULLUP



CHANNELS 1-6 BALANCED OUTPUT DRIVERS

IUIE Technologies, Inc.

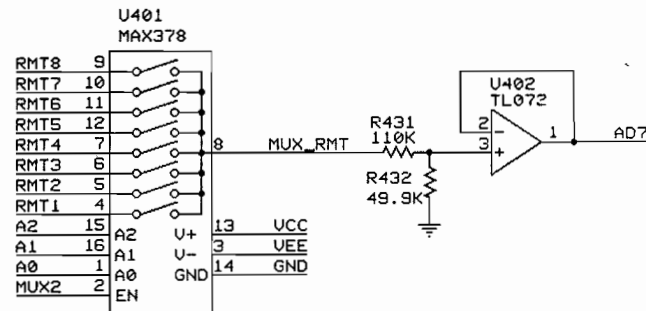
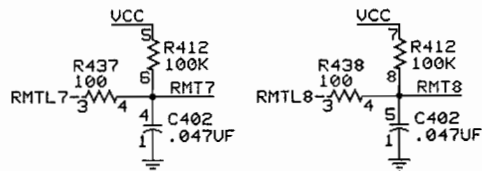
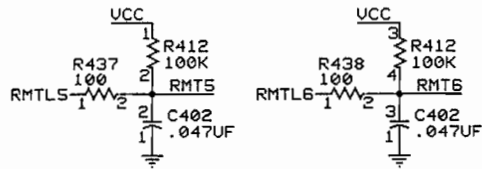
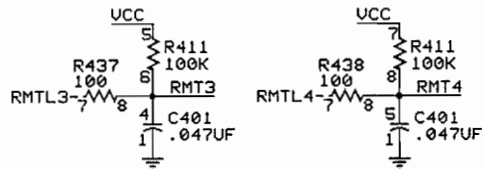
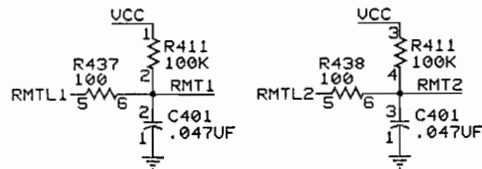
1805 N WEST STATE ST, LEHI, UTAH, 84043

1026 Integrated Mixer

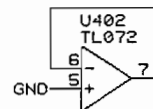
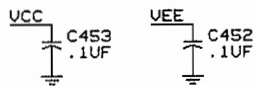
D 1026M.P03 002-1940 REV B0

DATE: 10/15/02 16:00:27 SHEET 03 OF 10

REMOTE CONTROL MUX



Remote
CONTROL
LEVELS
(mux'd)



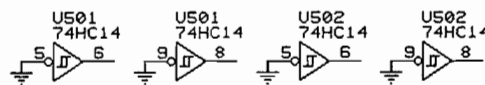
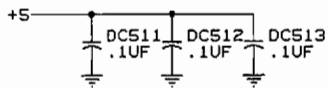
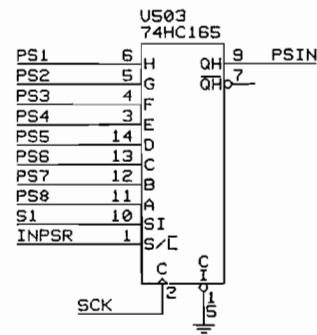
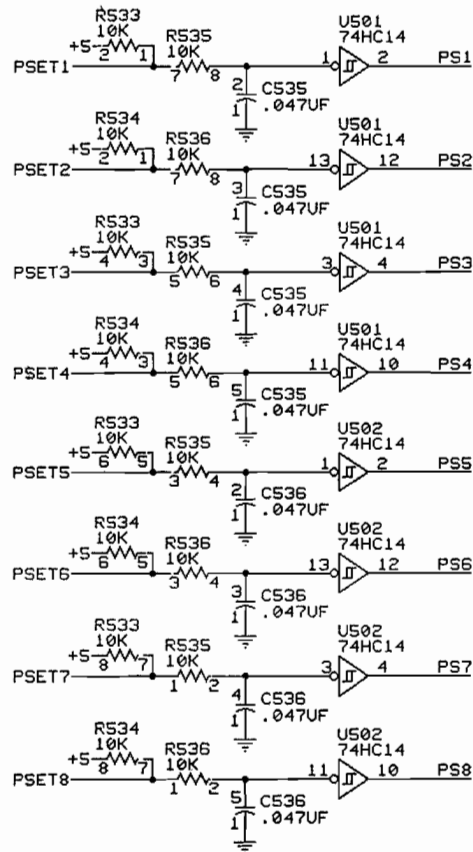
IVIE Technologies, Inc.
1605 N WEST STATE ST, LEHI, UTAH 84043

1026 Integrated Mixer

D 1026M.P04 002-1940 REV B0

DATE: 10/15/02 16:00:28 SHEET 04 OF 10

PRESET INPUT

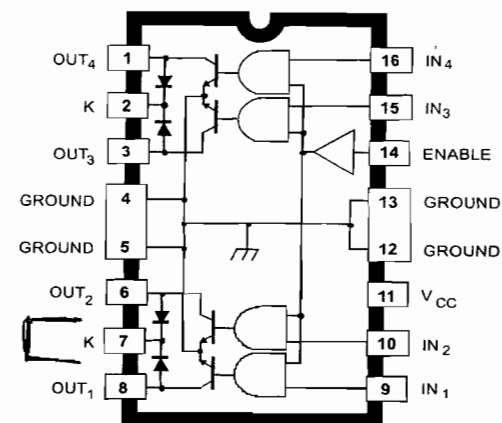
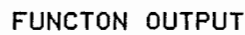


IUIE Technologies, Inc.
1605 N WEST STATE ST, LEHI, UTAH 84043

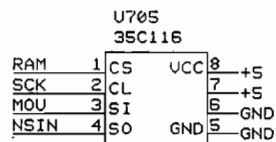
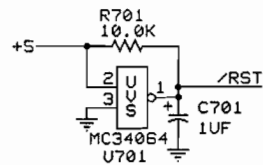
1026 Integrated Mixer

D	1026M.P05	002-1940	REV B0
DATE:	10/15/02 16:00:29	SHEET 05 OF 10	

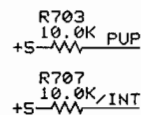
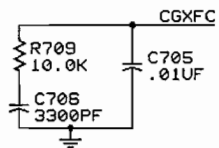
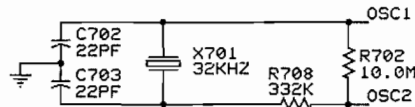
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DATE: 10/15/02 16:31:28	SHEET 06 OF 10
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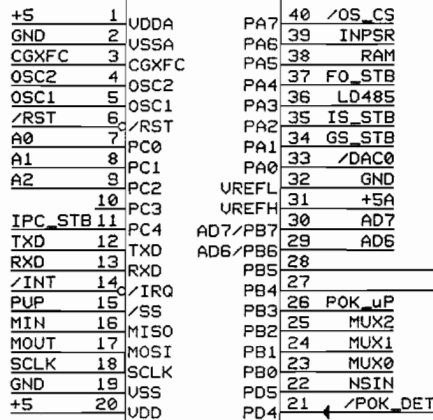
35C116 = 16K BITS OR 2K BYTES



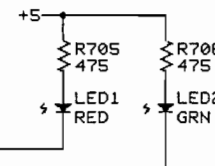
MICRO

U706
HC908P

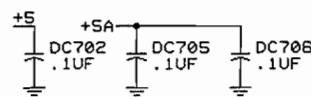
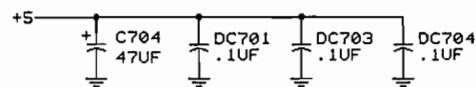
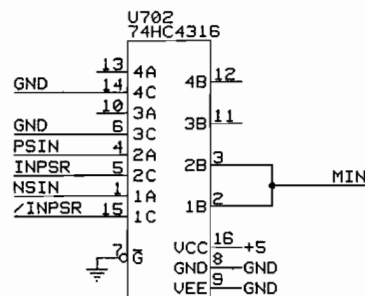
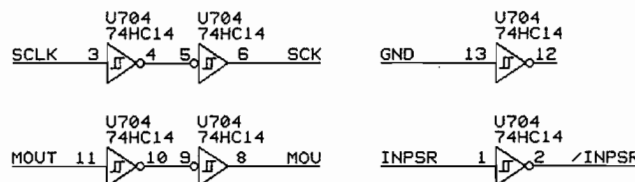
MC68HC908GP32
DIP (P) PKG



AD6 - Input Levels (mixed)
AD7 - Remotes (mixed)

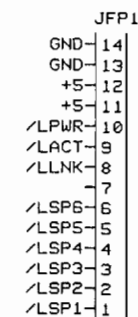
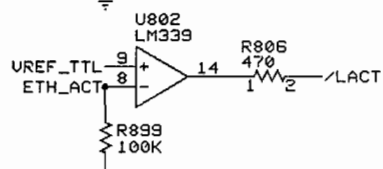
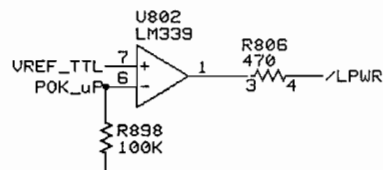
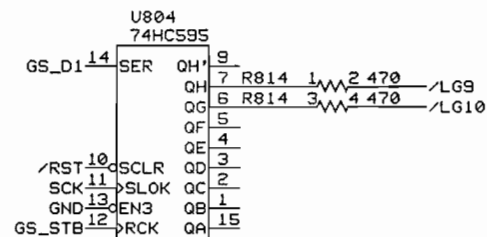
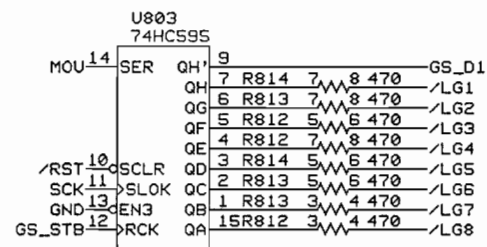
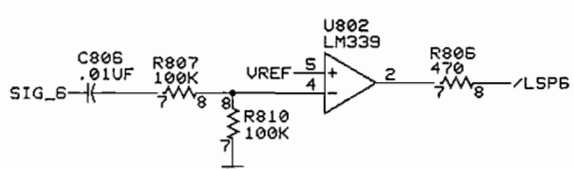
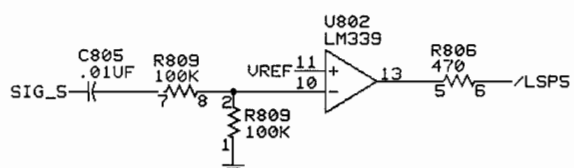
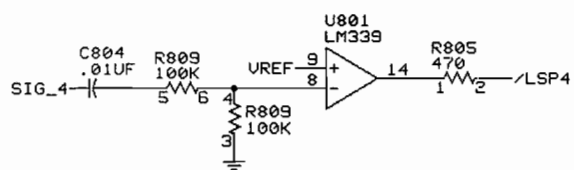
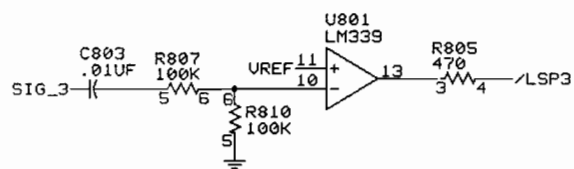
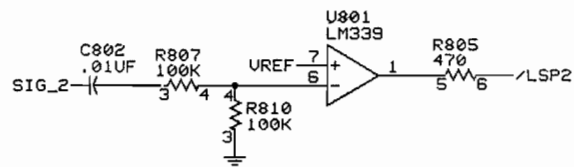
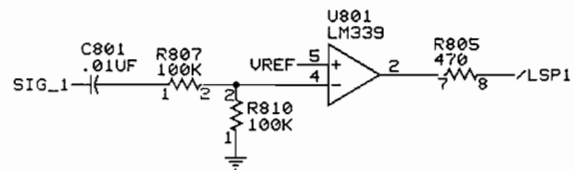


/OS_CS = OUTPUT SWITCH CHIP SELECT
RAM = EEPROM CHIP SELECT
FO_STB = FUNCTION OUT / IPC LATCH STROBE
LD485 = AUDIO SWITCH MATRIX STROBE
IS_STB = UNIVERSAL INPUT SWITCH STROBE
GS_STB = GATE STATUS LATCH STROBE
/DAC0 = UCA LEVEL DAC STROBE

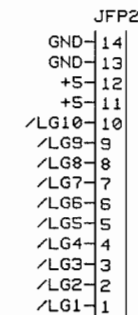


IUIE Technologies, Inc.		
1605 N WEST STATE ST, LEHI, UTAH 84043		
1026 Integrated Mixer		
D	1026M.P07	002-1940 REV B0
DATE:	10/15/02 16:00:31	SHEET 07 OF 10

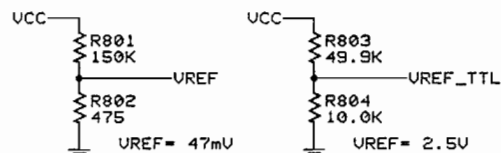
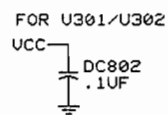
OUTPUT SIGNAL PRESENCE



MATES WITH
FRONT PANEL J99



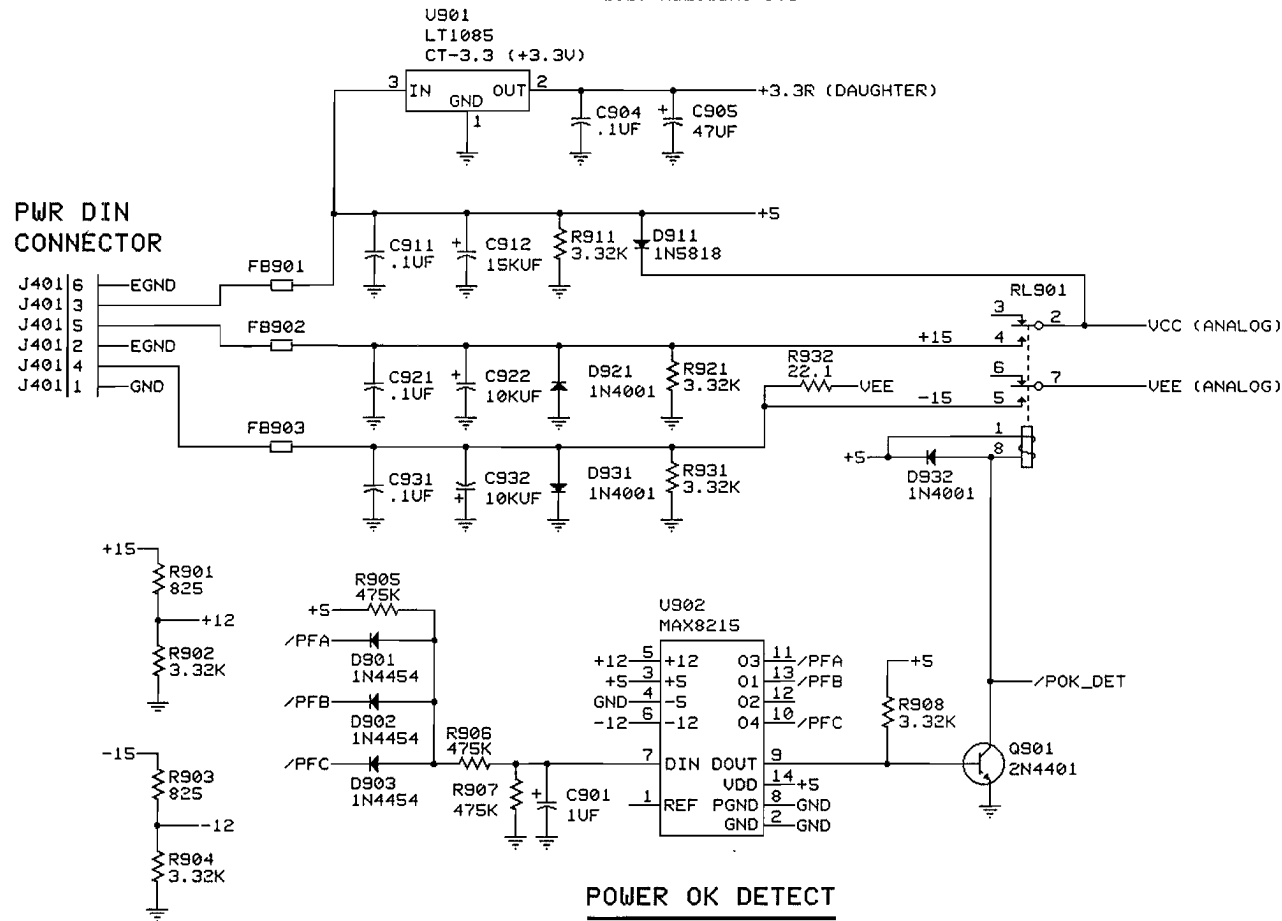
MATES WITH
FRONT PANEL J98



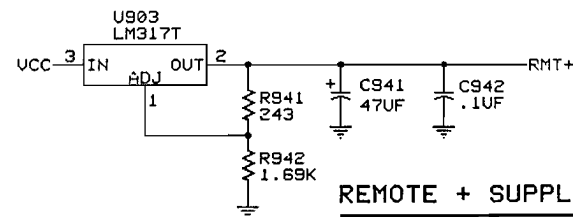
IVIE Technologies, Inc. 1605 NW STATE ST., LEHI, UTAH 84043		
1026 Integrated Mixer		
D	1026M.P08	002-1940 REV B0
DATE:	10/15/02 16:00:32	SHEET 08 OF 10

NOTE:

- SUB. AS2815AU-3.3(ALPHA SEMI.) FOR LT1085.

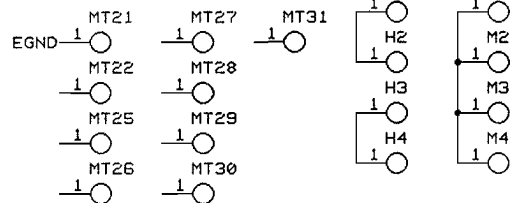


POWER OK DETECT



REMOTE + SUPPLY

MECHANICAL SUPPORT



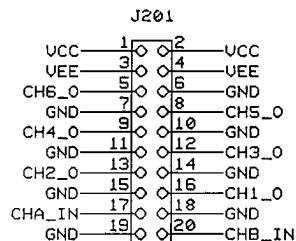
IVIE Technologies, Inc.
1605 NW STATE STREET, LEHI, UTAH 84043

1026 Integrated Mixer

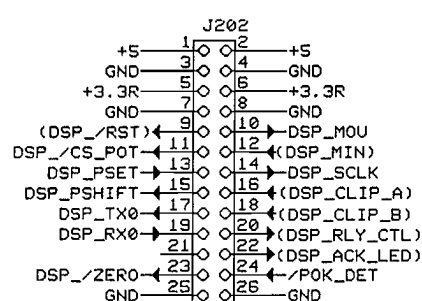
D	1026M.P09	002-1940	REV B0
DATE:	10/15/02 16:00:33	SHEET	09 OF 10

MAIN TO 626 DAUGHTER HEADERS

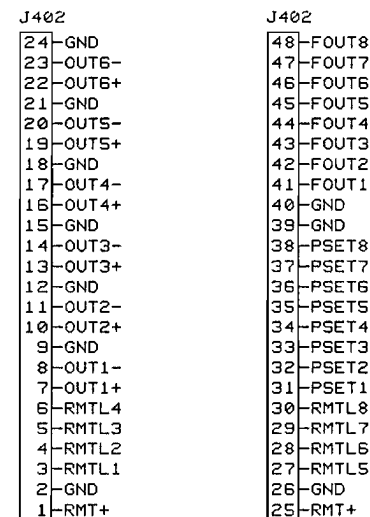
AUDIO/PWR



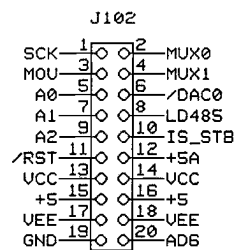
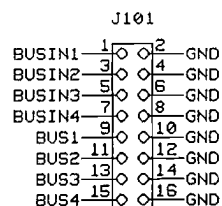
CONTROL/PWR



OUTPUT CONNECTORS

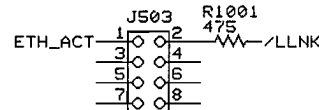
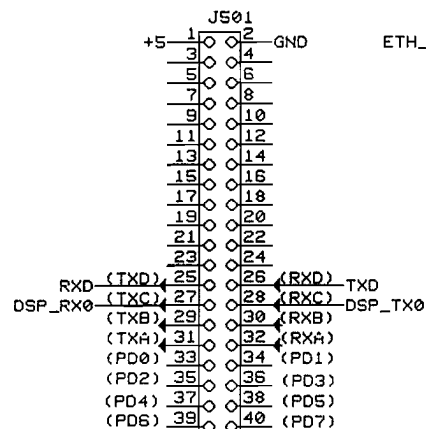
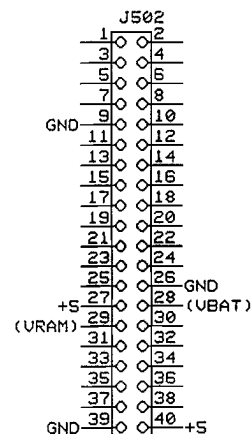


MAIN TO UNIVERSAL INPUT HEADERS



MUX OUT FROM INPUT BOARD (LEVEL DETECTOR?)

MAIN TO ETHERNET INTERFACE HEADERS



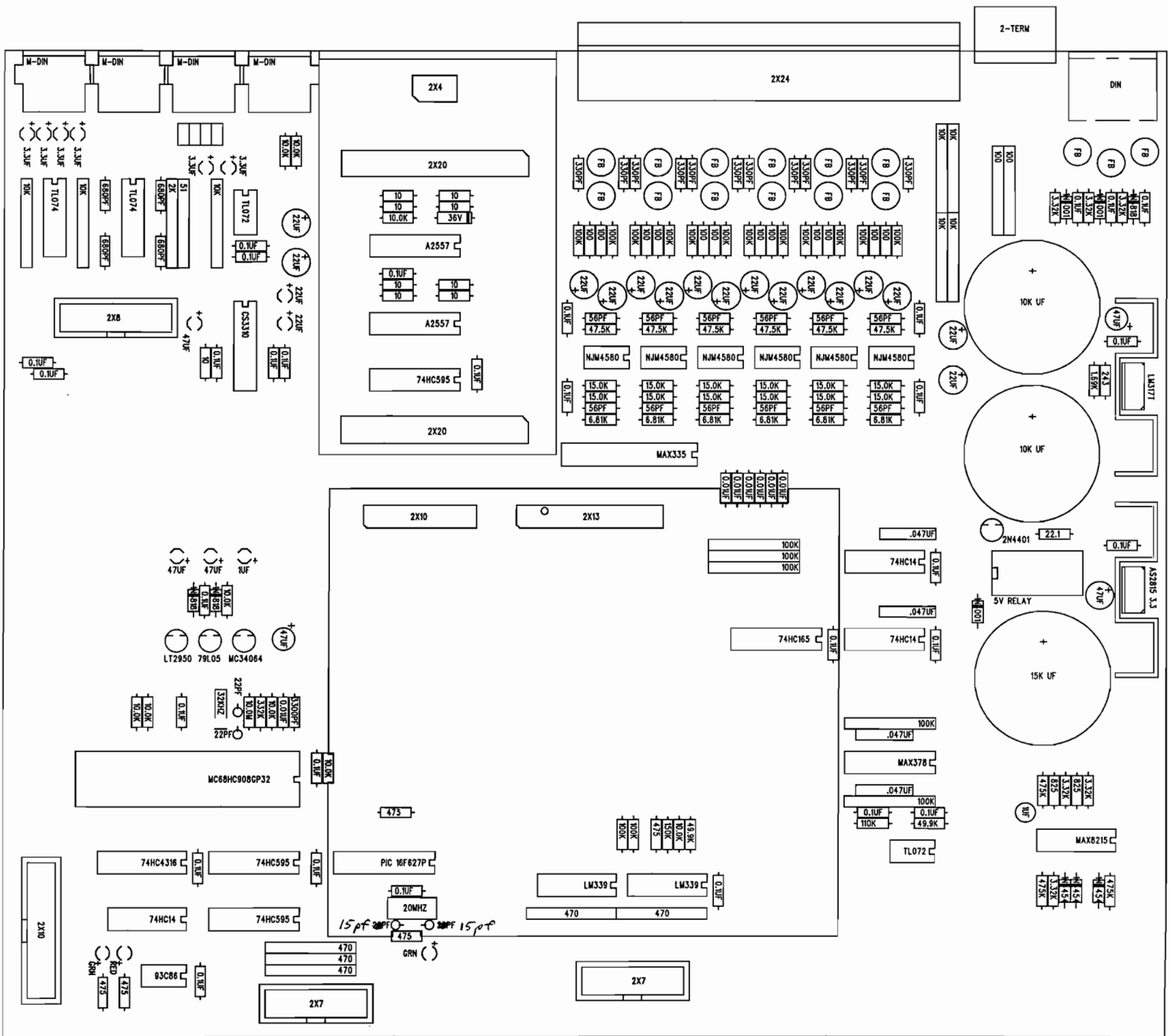
IUIE Technologies, Inc.

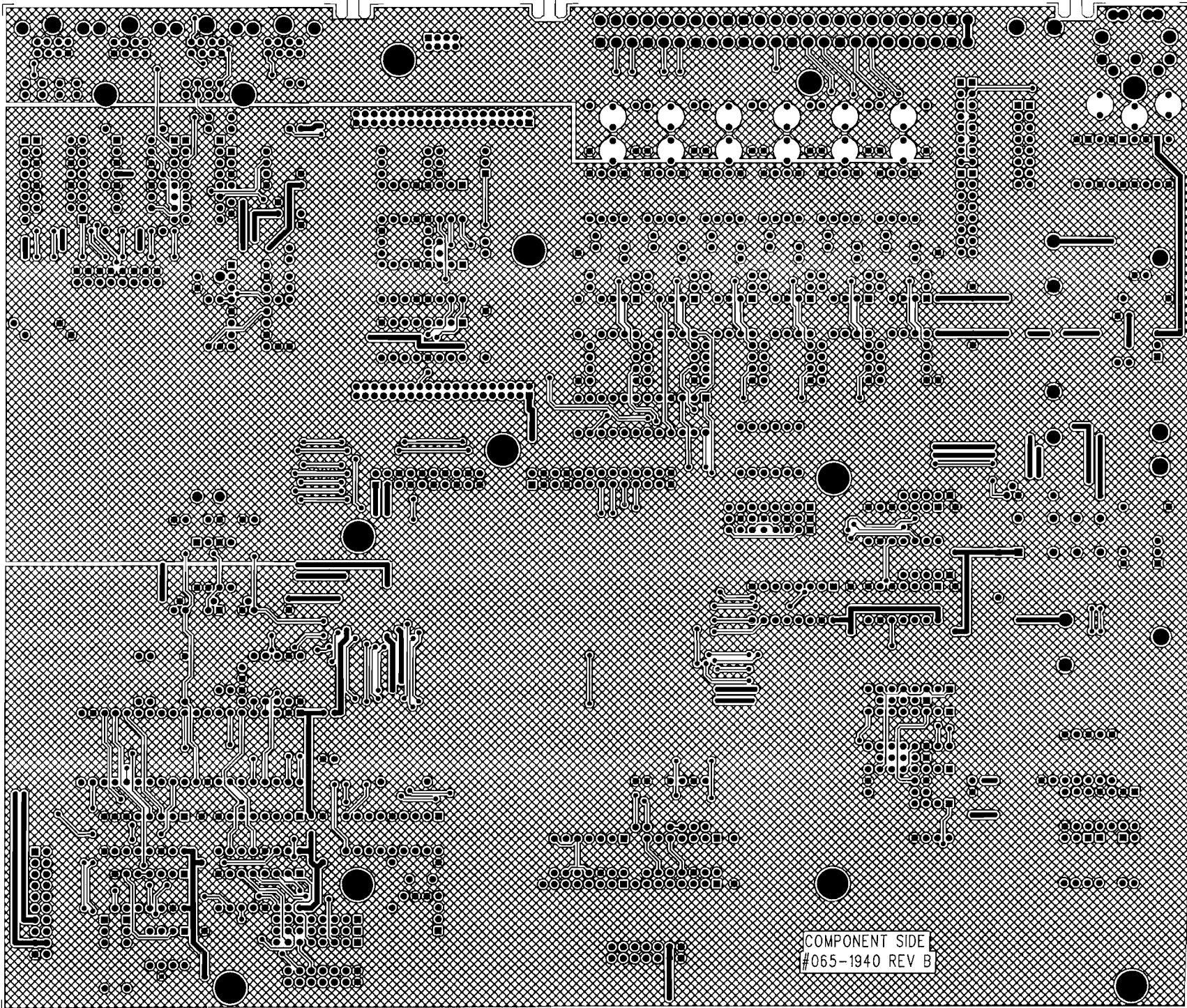
1605 NW STATE STREET, LEHI, UTAH 84043

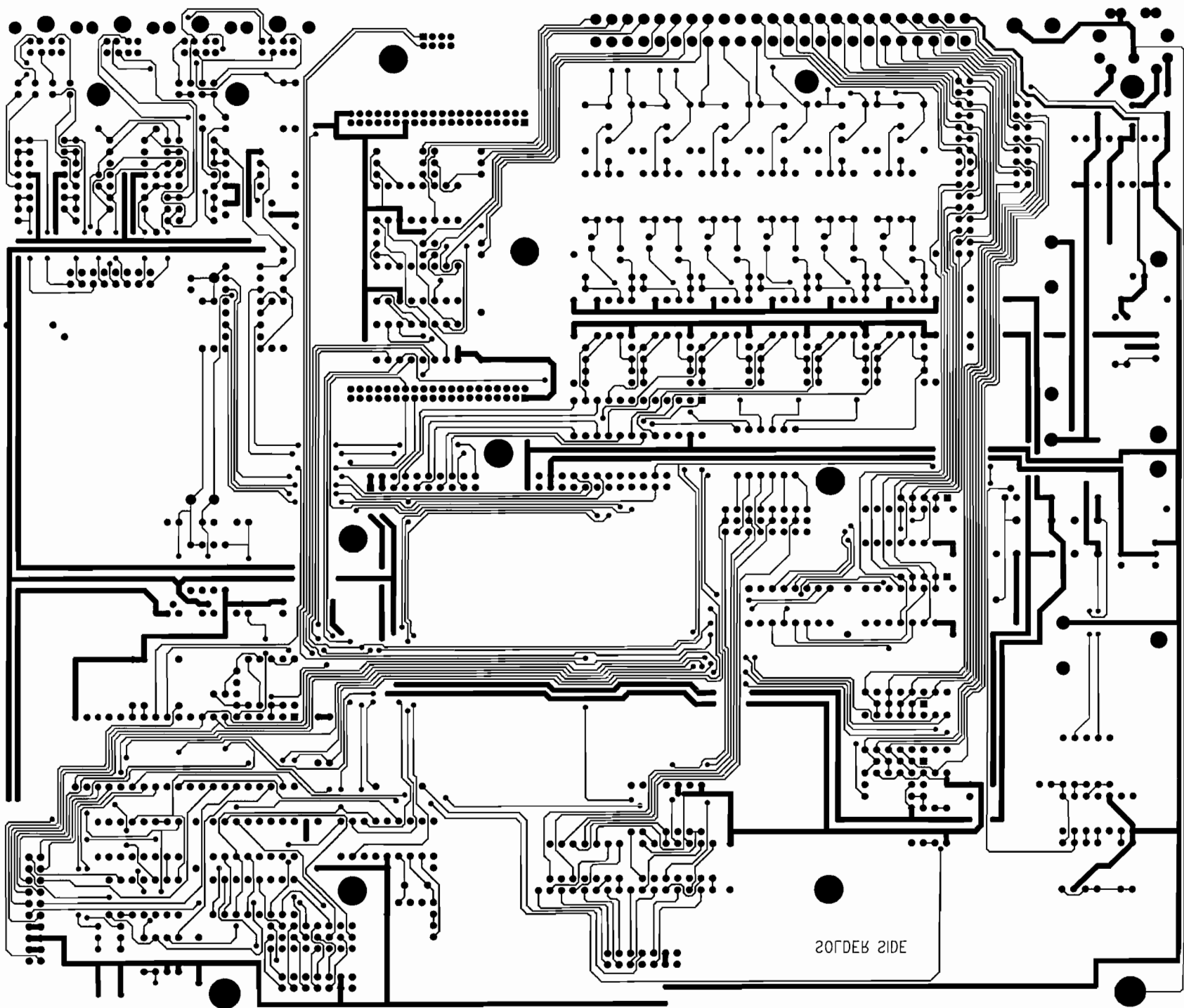
1026 Integrated Mixer

D 1026M.P10 002-1940 REV B0

DATE: 10/15/02 16:00:34 SHEET 10 OF 10







Ivie Technologies

002-1940 Rev B 1026 Main Board Bill of Materials

October 2002



Parts List for Assembly P/N: 002-1940_p

Printed 8/19/2013

002-1940_p

ASSY 1026 MAIN BOARD

Pluto_BOM_Import

Type	PL	Size
Revision		PCB Decal
Status	U	DataSheet
Date		PCB Mfr P/N
By		Stock Bin

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
1	1	002-1950_p	ASSY 1026 PEQ DAUGHTER				
2	1	002-1980_p	ASSY ETHER NET BOARD				
3	1	065-1940	PCB, 1026 Main	Precision Technology			
4	2	110-0050	Cap CER, 15pF, 50v, COG, 10%, Axial	AVX		sa102a150jtr	
5	2	110-0075	Cap CER, 22pF, 50v, COG, 10%, Radial	AVX		SR151A220KAR	
6	1	110-0110	Cap CER, 3300pF, 50v, X7R, 10%, Axial	Centralab	1101PHCT-ND (Cut Tape)	A332K15X7RFVWWA	
7	31	110-0230	Cap CER, .1uF, 50v, X7R, 10%, Axial	AVX		SA115C104KAA	
8	12	110-0330	Cap CER, 3300pF, 100v, X7R, 10%	AVX		sa102c331kaa	
9	4	110-0430	Cap CER, 680pF, 50v, COG, 5%, Axial	AVX		SA101A681JAA	
10	7	110-0450	Cap CER, .01uF, 50v, X7R, 5%	AVX		sa105c103jaa	
11	12	110-0650	Cap CER, 56pF, 200v, X7R, 10%	AVX		sa102a560kaa	
12	6	112-0210	Cap ELC, 47uF, 25v, 20%, Radial	Xicon	140-XRL25V47	XRL25V47	
13	2	112-0280	Cap ELC, 1uF, 50v, 20%, Radial				
14	18	112-0355	Cap ELC, NON-POLAR, 22uF, 16v, 20%, Radial	Panasonic	P1177-ND	ECE-A1EN220X	
15	6	112-0360	Cap ELC, 3.3uF, 25v, 20%, Radial	Illinois Cap	50v is ind std -- BIGGER CASE-- SEE NOTE	335CKS050M	
16	2	112-0430	Cap ELC, 10000uF, 16v, 20%, Radial	Illinois Cap		109lba016m2cc	
17	1	112-0440	Cap ELC, 15000uF, 10v, 20%, Radial	Illinois Cap		159lba016m2dc	
18	7	130-0040	Rstr Network, 4-10K, SIP	BI Tech (Beckman)		L083C103	

Ivie Technologies, Inc
1195 Spring Creek Place, Suite B, Springville, UT 84663,
(801) 489-8703 Fax 877-829-6567

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Parts List for Assembly P/N: 002-1940_p
 ASSY 1026 MAIN BOARD

002-1940_p

Printed 8/19/2013

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
19	5	130-0050	Rstr Network, 4-100K, SIP	BI Tech (Beckman)		L083C104	
20	2	130-0120	Rstr Network, 4-100 ohm, SIP	BI Tech (Beckman)		L083C101	
21	1	130-0130	Rstr Network, 4-2K, SIP	BI Tech (Beckman)		L083C202	
22	1	130-0140	Rstr Network, 4-51 ohm, SIP	BI Tech (Beckman)		L083C510	
23	5	130-0180	Rstr Network, 4-470 ohm, SIP	BI Tech (Beckman)		L083C471	
24	12	144-0010	Rstr, 100 OHM, 1/4W, 1%	Xicon		271-100/AP-RC	
25	9	144-0015	Rstr, 10 OHM, 1/4W, 1%	Xicon		271-10	
26	9	144-0030	Rstr, 10.0K, 1/4W, 1%	Xicon		271-10k	
27	14	144-0040	Rstr, 100K, 1/4W, 1%	Xicon		271-100k	
28	1	144-0050	Rstr, 10.0M, 1/4W, 1%				
29	1	144-0180	Rstr, 110K, 1/4W, 1%	Xicon		271-110k	
30	12	144-0620	Rstr, 15.0K, 1/4W, 1%	Xicon		271-15k	
31	1	144-0630	Rstr, 150K, 1/4W, 1%	Xicon		271-150k	
32	1	144-0765	Rstr, 1.69K, 1/4W, 1%	Xicon		271-1.69k	
33	1	144-1170	Rstr, 22.1 OHM, 1/4W, 1%	Xicon		271-22.1	
34	1	144-1275	Rstr, 243 OHM, 1/4W, 1%	Xicon		271-243	
35	6	144-1700	Rstr, 3.32K, 1/4W, 1%	Xicon		271-3.32k	
36	1	144-1720	Rstr, 332K, 1/4W, 1%	Xicon		271-332K-RC	
37	5	144-2145	Rstr, 475 OHM, 1/4W, 1%	Xicon		271-475	
38	6	144-2160	Rstr, 47.5K, 1/4W, 1%	Xicon		271-47.5k	
39	3	144-2170	Rstr, 475K, 1/4W, 1%	Xicon		271-475k	
40	2	144-2230	Rstr, 49.9K, 1/4W, 1%	Xicon		271-49.9K	
41	6	144-2660	Rstr, 6.81K, 1/4W, 1%	Xicon		271-6.81k	

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 (801) 489-8703 Fax 877-829-6567

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Parts List for Assembly P/N: 002-1940_p
 ASSY 1026 MAIN BOARD

002-1940_p

Printed 8/19/2013

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
42	2	144-2925	Rstr, 825 OHM, 1/4W, 1%	Xicon		271-825	
43	1	149-0040	Tstr, NPN, 2N4401, TO-92	MOT		2N4401	
44	1	157-0120	Regulator, +Adj, LM317T	ON Semi		LM317TG	
45	1	157-0160	Regulator, +5v, LP2950ACZ-5.0	National Semiconduct or		LP2950ACZ-5.0	
46	1	157-0170	Regulator, -5v, LM79L05ACZ	National Semiconduct or		lm79l05acz	
47	1	157-0180	Regulator, LDO, +3.3v, 1.5A, TO-220	Sipex		SPX2815AU-3-3	
48	3	161-0060	Diode, 1N4454, 75v, Switching	Fairchild		1N4454	
49	3	161-0080	Diode, 1N4001, 50v, 1A	ComChip	641-1310-1-ND	1N4001T-G	
50	3	161-0125	Diode, 1N5818, 30v, 1A, Schottky	Motorola		1n5818	
51	1	161-0310	Diode, Zener, 36v, 1N5258, 500mW	MOT		1n5258	
52	1	161-0380	LED, Red, HLMP-1301	Lite-On	160-1139-ND	LTL-4221N	
53	2	161-0400	LED, Green, HLMP-1503	Hewlett Packard		hlmp-1503	
54	1	165-0030	Xtal, 20.000 MHz, Lo Profile	Citizen	300-6042-ND	HC49US20.000MABJ	
55	1	165-0060	Xtal, 32.768KHz, 20ppm, 12.5pf	Citizen	300-1002-ND	CFS206-32.768KDZF	
56	1	180-0085	Relay, DPDT, 5v coil, 1A contact	Midtex - CII Technologie s		190-22E2UO	
57	15	186-0015	Choke, RFI, Ferrite Bead, Radial	Mingstar		BW R6HY7 5 - 3.0	
58	4	200-0040	SIP Custom, 4x0.047uF, 50v, 10%	Ivie		200-0040	
59	1	395-0110	Socket, IC, DIP, 40pin	FCI		DILB40P223T	
60	1	395-0120	Socket, IC, DIP, 8pin	AMP (Tyco)		1-390261-2	
61	1	407-0840	Jack, DIN, 5pin, DJ-006	CUI Stack	CP-2350-ND	SDS-50J	
62	4	407-0850	Jack, MiniDIN, 8pin, MDJ-0068P	Maxconn		MMDF-8S0B1	

Parts List for Assembly P/N: 002-1940_p
ASSY 1026 MAIN BOARD

002-1940_p

Printed 8/19/2013

Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
63	2	407-0950	Socket, 40pin, 2mm, (2x20), Thru-Hole	Singatron		1212-40-S-02B	
64	1	407-0960	Socket, 8pin, 2mm, (2x4), Thru-Hole	Singatron		1212-08-S-02B	
65	1	407-1050	Header, Screw Terminal, 48pin, 3.5mm Pitch	Weidmuller	SLD 3.5/48/90 G 4.5AU SW	1804410000	
66	2	415-0900	Header, Shrouded, 14pin, Dual Row, Vertical	TE Connectivity	A33162-ND	5103309-2	
67	1	415-0980	Header, Shrouded, 16pin, Dual Row, Vertical	Circuit Assembly		CA16HL-1C	
68	1	415-0982	Socket, 20pin, .1in, (2x10), Thru-Hole	AMP (Tyco)		1-534998-0	
69	1	415-0983	Socket, 26pin, .1in, (2x13), Thru-Hole	AMP (Tyco)		1-534998-3	
70	1	415-1120	Header, Shrouded, 20pin, Dual Row, Vertical	Circuit Assembly		CA20HL-1C	
71	2	425-0190	DIP IC, LM339, Quad Comparator	Texas Instruments	296-1393-5-ND	LM339N	
72	2	425-0400	DIP IC, OP Amp, Dual, Lo Noise, TL072	Texas Instruments		TL072CP	
73	2	425-0420	DIP IC, OP Amp, Quad, Lo Noise, TL074	Texas Instruments		TLO74CN	
74	6	425-0600	DIP IC, OP Amp, Dual, Lo Nse, NJM4580D	NJR		njm4580d	
75	1	425-0690	IC, Undervoltage Sensor, MC34064	Texas Instruments		TL7757CLP	
76	1	425-0692	DIP IC, Pwr Monitor, +/-12, +/-5, MAX8215CPD	Maxim		MAX8215CPD+ (Lead Free)	
77	1	425-0710	DIP IC, Analog Mux, 8 Channel	Maxim		MAX378CPE	
78	1	426-0765	DIP IC, EEPROM, 16K Bit, 93C86	Catalyst		CAT93C86P	
79	3	426-0870	DIP IC, 74HC14, Schmitt Hex Inverter	Toshiba	TC74HC14APF-ND	TC74HC14AP(F)	
80	1	426-0880	DIP IC, 74HC165 Shift Register, Par-In, Ser-Out	ON Semi		MC74HC165ANG	
81	1	426-0890	DIP IC, 74HC4316, Quad Analog Sw	STMicro (SGS)	497-1860-5-ND	M74HC4316B1R	
82	3	426-0940	DIP IC, 74HC595 Shift Register, Ser-In, Par-Out	STMicro (SGS)		M74HC595B1R	

Parts List for Assembly P/N: 002-1940_p
 ASSY 1026 MAIN BOARD

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Item	Qty	P/N	Title	Mfr	Vendor P/N	Mfr P/N	Reference(m)
83	2	426-1020	DIP IC, A2557xB Quad Driver	Allegro	SB => -20 to + 85 Temp, EB => -40 to +85 Temp	A2557SB	
84	1	426-1030	DIP IC, PGA2311P, Dual Volume Cntrl	Texas Instruments	PGA2311P-ND	PGA2311P	
85	1	426-1050	DIP IC, MAX335CNG, 8ch Analog Sw	Maxim		MAX335CNG	
86	1	426-1065	IC PIC16F627-20 PROGRAMED				
87	1	477-0105	Term Strip, 2pin, Right Angle	Magnum		a107202r45	
88	2	482-0050	insulator silicon pad 3223-07fr-52				
89	2	484-0550	screw ph 6-32 x 3/8" nylon				
90	2	485-0090	nut hex 3-32 .25' od				
91	2	614-0020	Heatsink, TO-220, Upright, THM 7019B-MT	Thermalloy		7019b-mt	

Ivie Technologies

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06/14/2004

