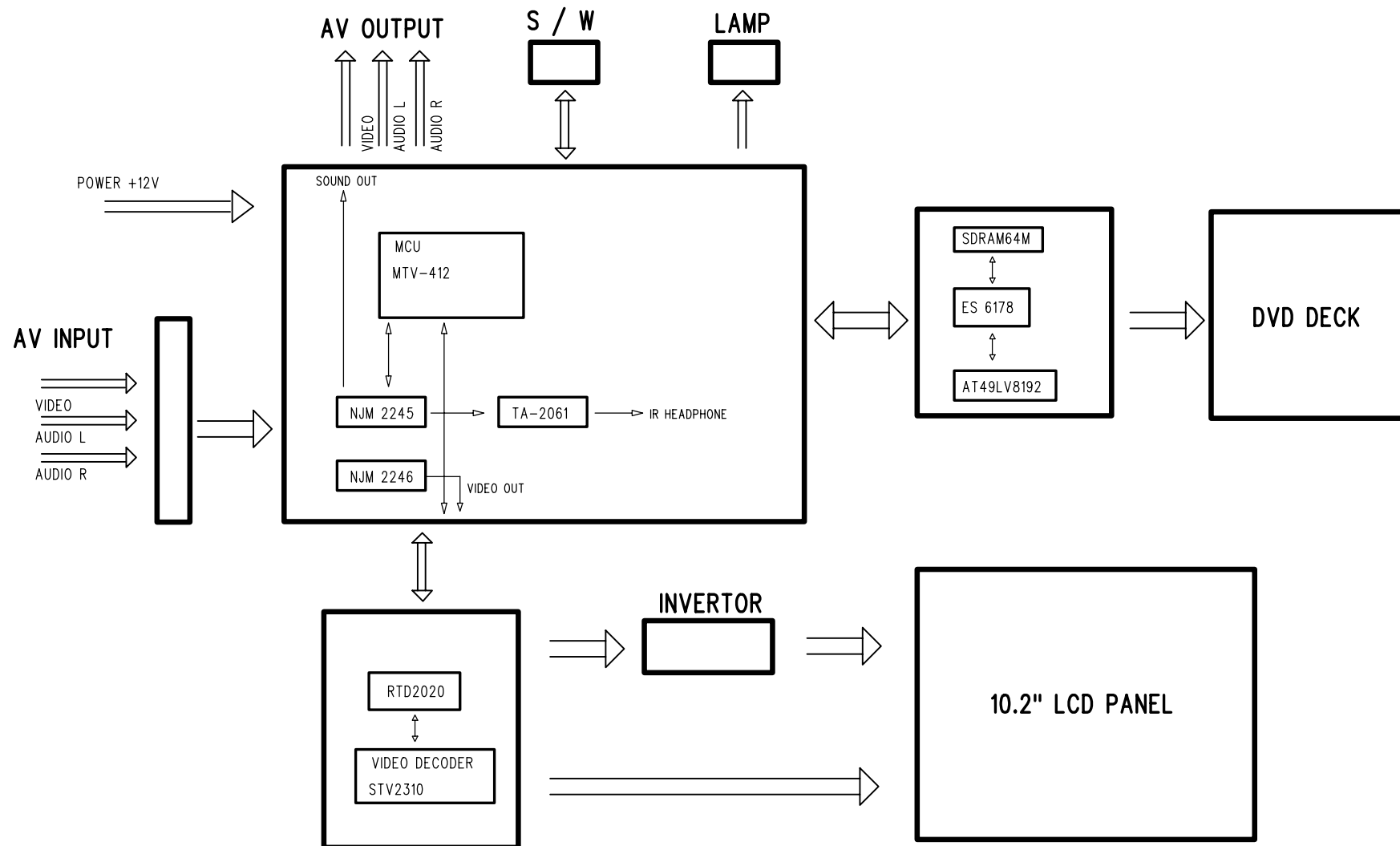
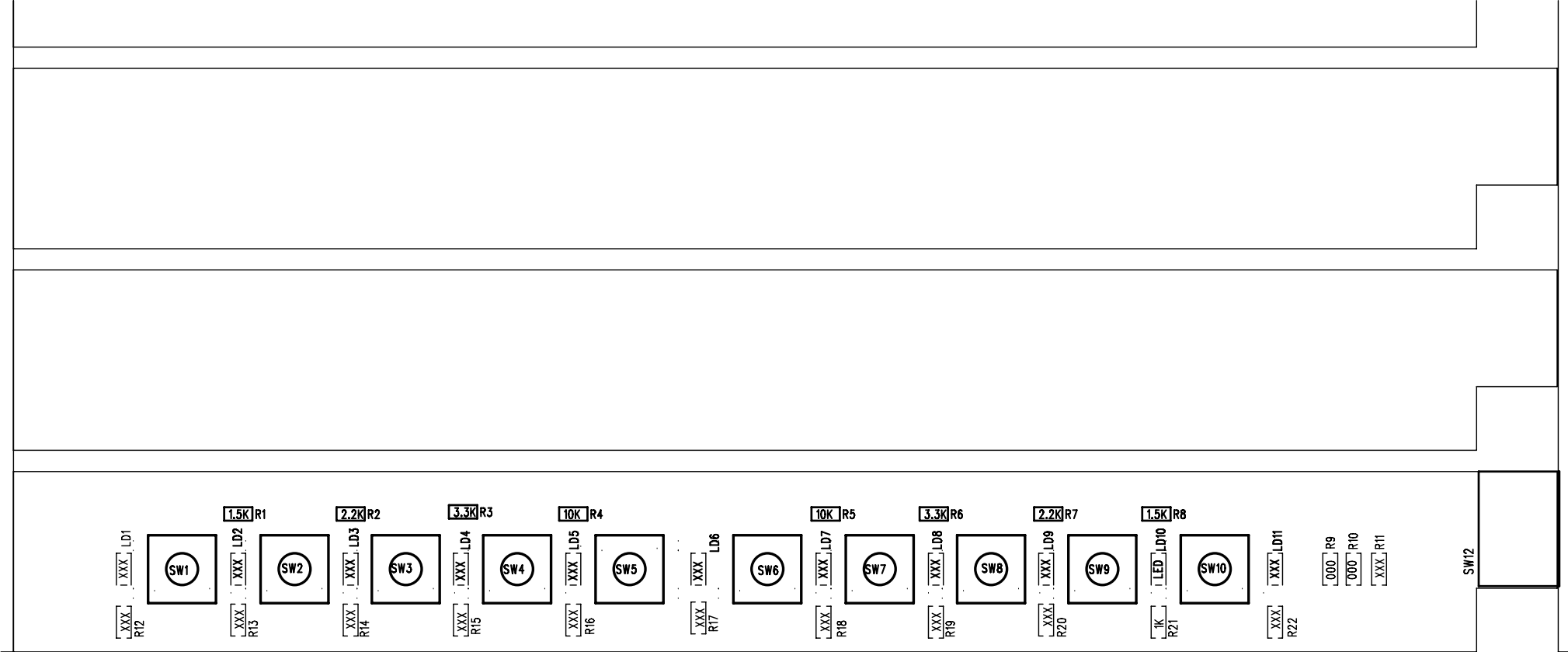
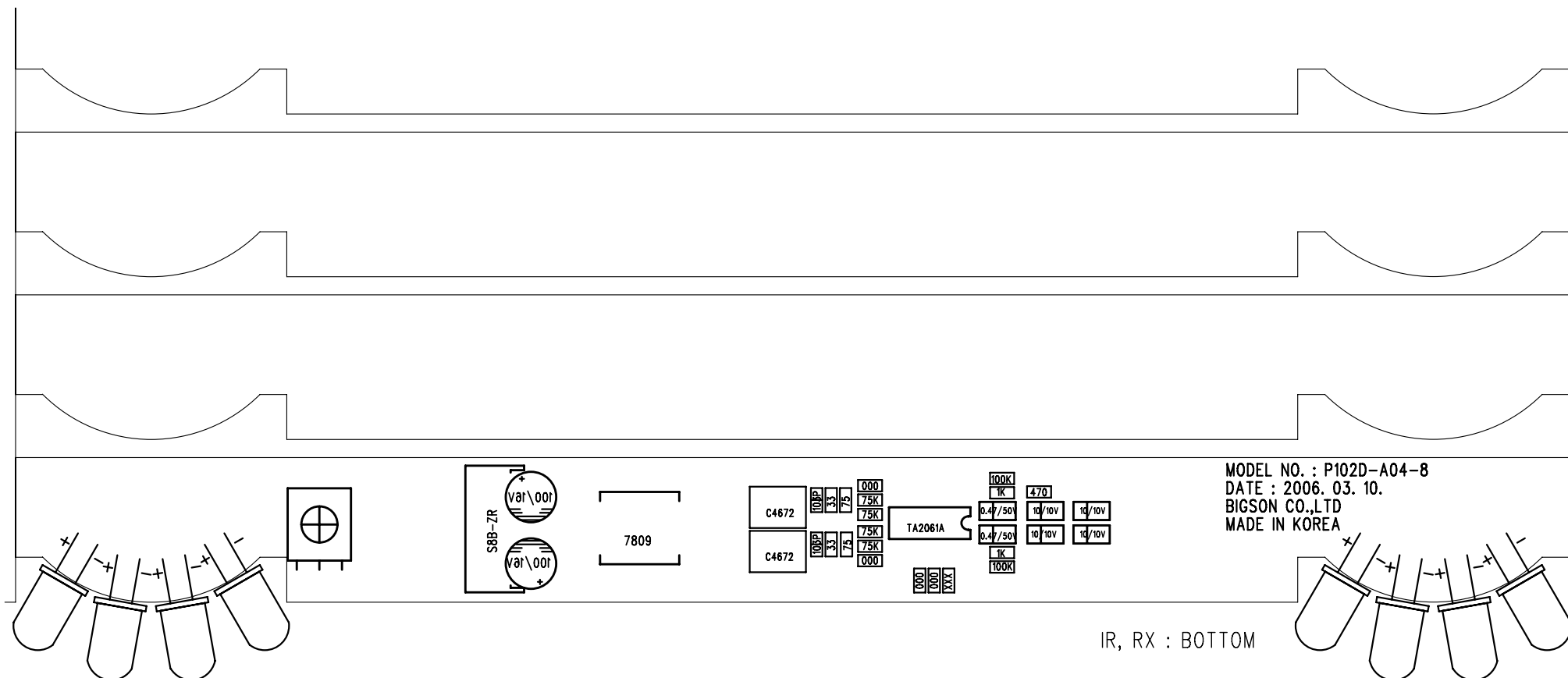


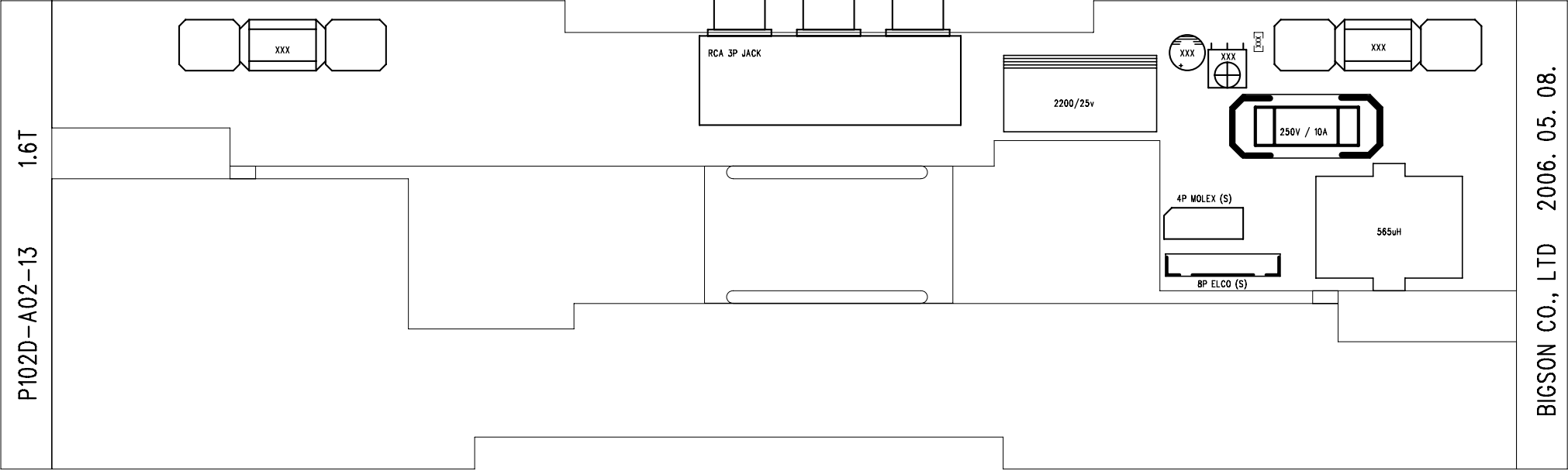
10.2 " BLOCK DIAGRAM







IR, RX : BOTTOM



MONITOR B/D SECTION

Contents

Page	Name
0	Cover
1	INPUT
2	SCALER
3	MCU
4	VIDEO DECODER
5	POWER
6	VCOM
7	DIMENSION
8	TOP COMPONENT
9	TOP PATTERN
10	BOTTOM PATTERN

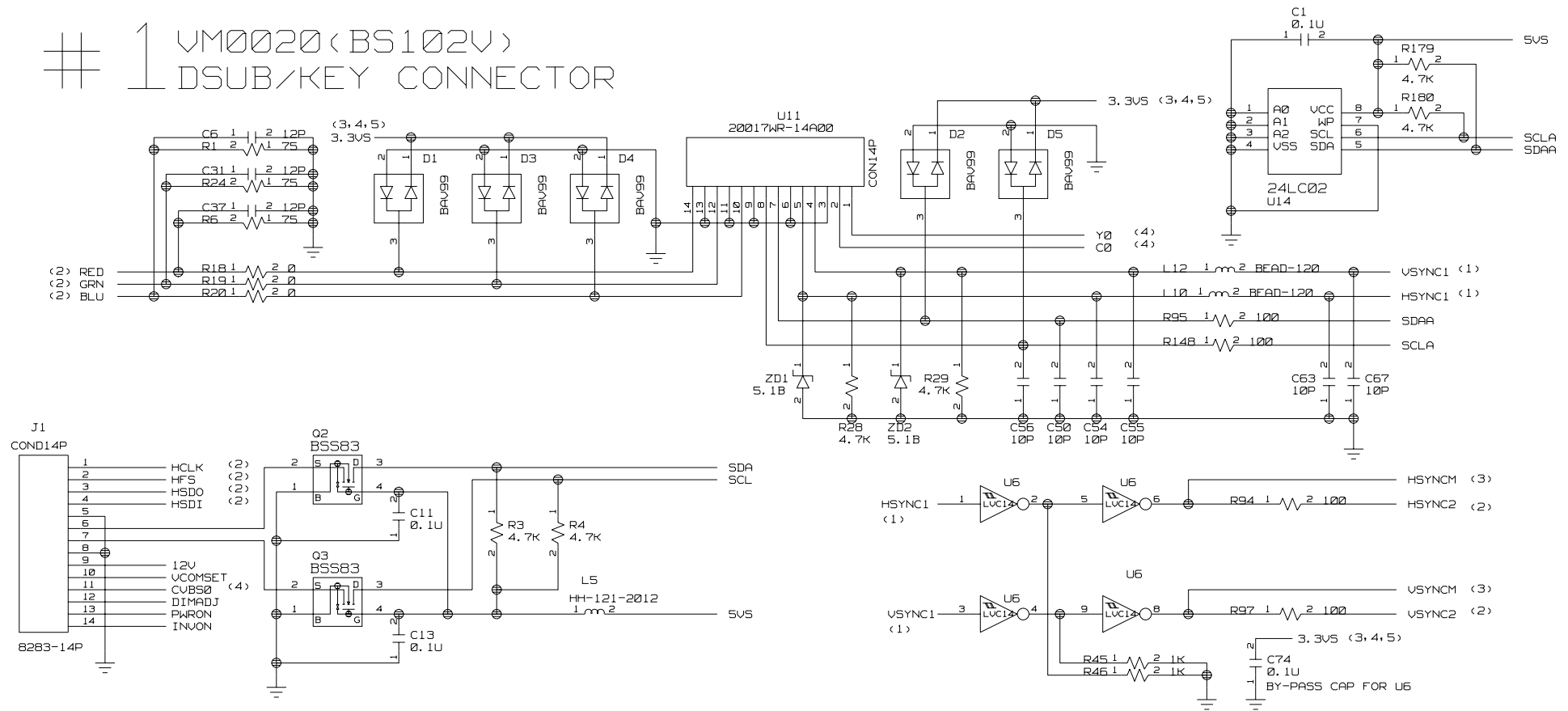
Revision History

Date	Comments	Version	Author

	DRAFT	CHECKED	APPROVED

MODEL		TITLE	
EVENT		BLOCK	
DATE		SHEET	0 / 10

1 VM0020 (BS102V)DSUB/KEY CONNECTOR



DRAFT

CHECKED

APPROVED

MODEL

TITLE

EVENT

BLOCK

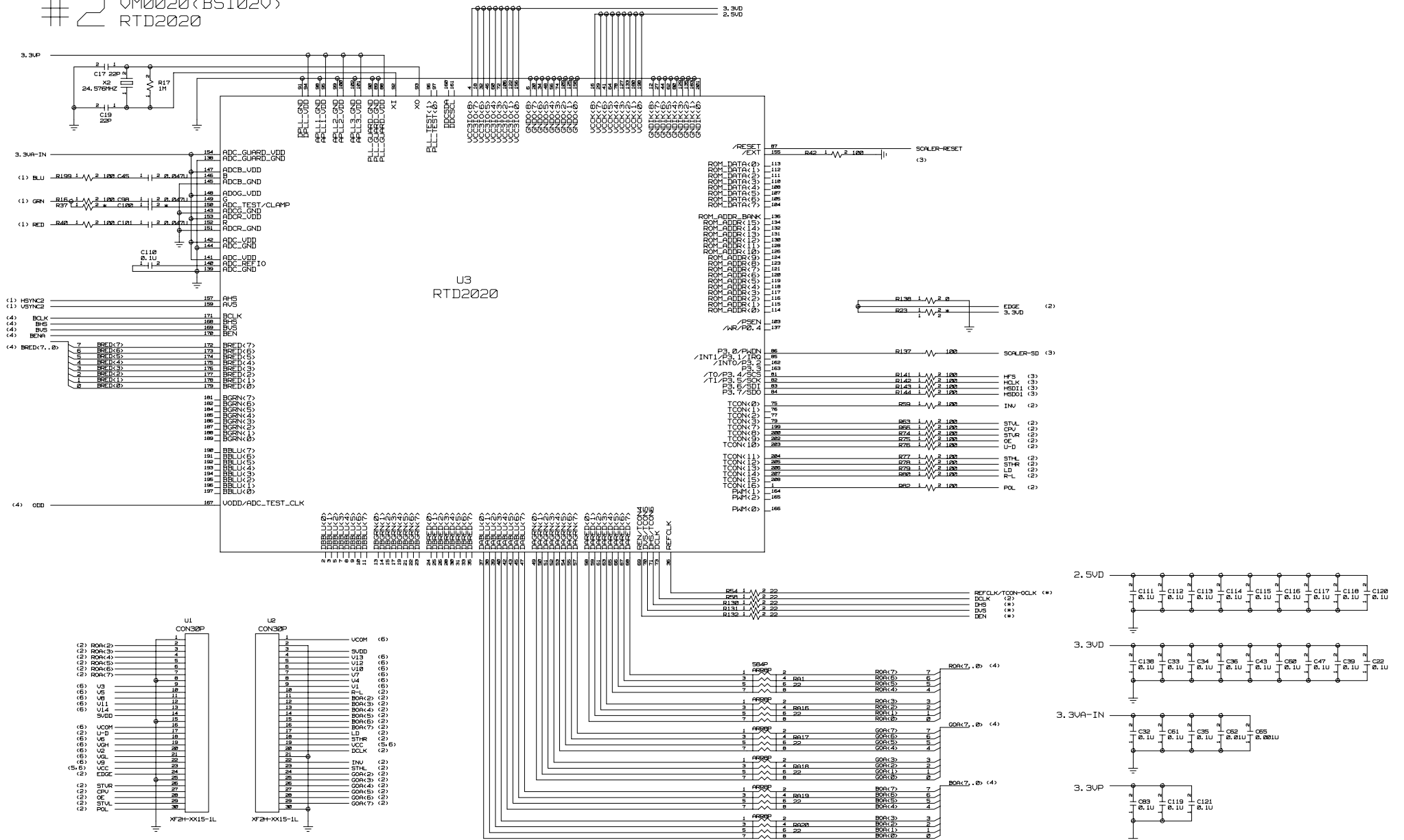
INPUT

DATE

SHEET

1 / 10

#2 VM0020 (BS102V) RTD020



DRAFT

CHECKED

APPROVED

MODEL

TITLE

EVENT

BLOCK

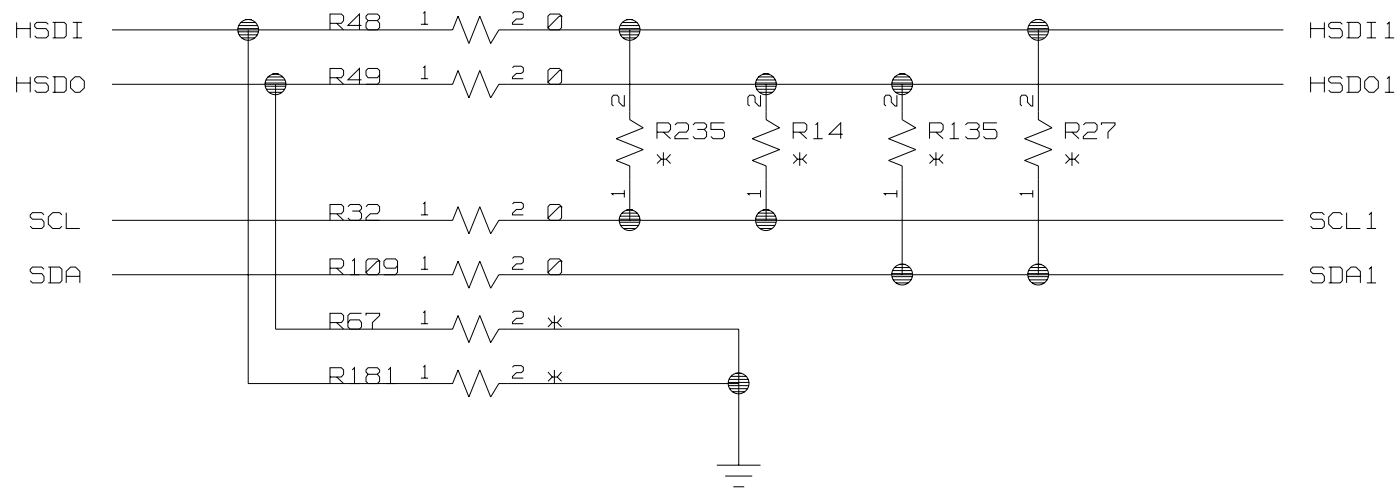
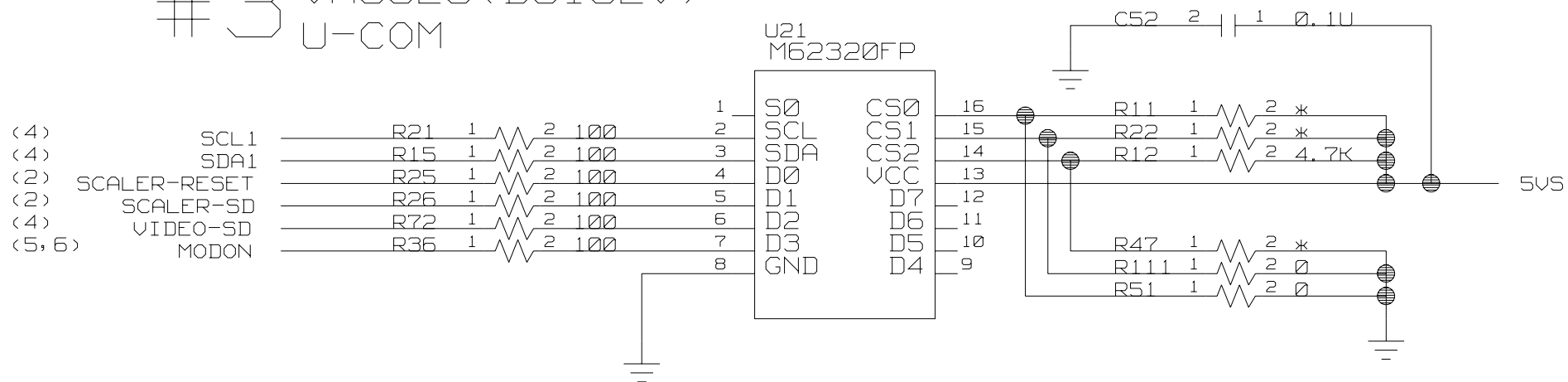
SCALER

DATE

SHEET

2 / 10

#3 VM0020 (BS102V)
U-COM



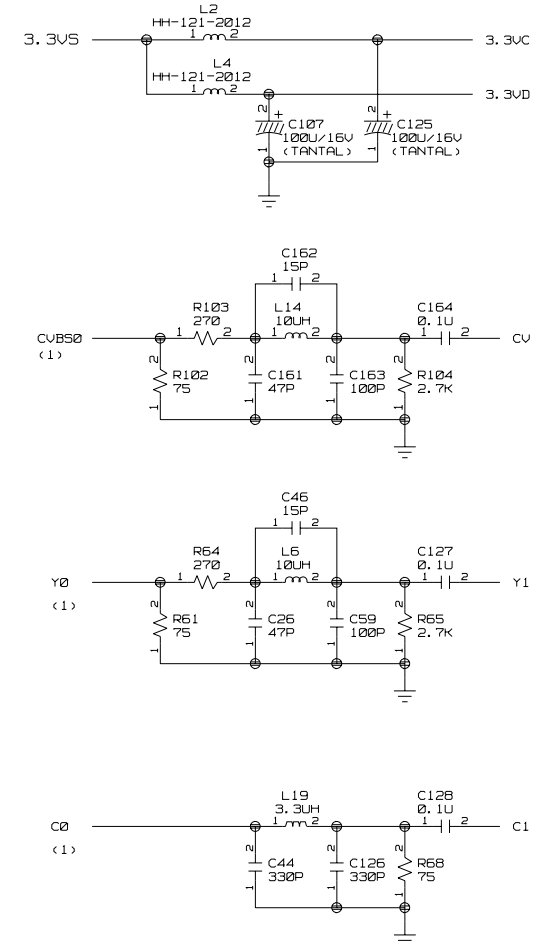
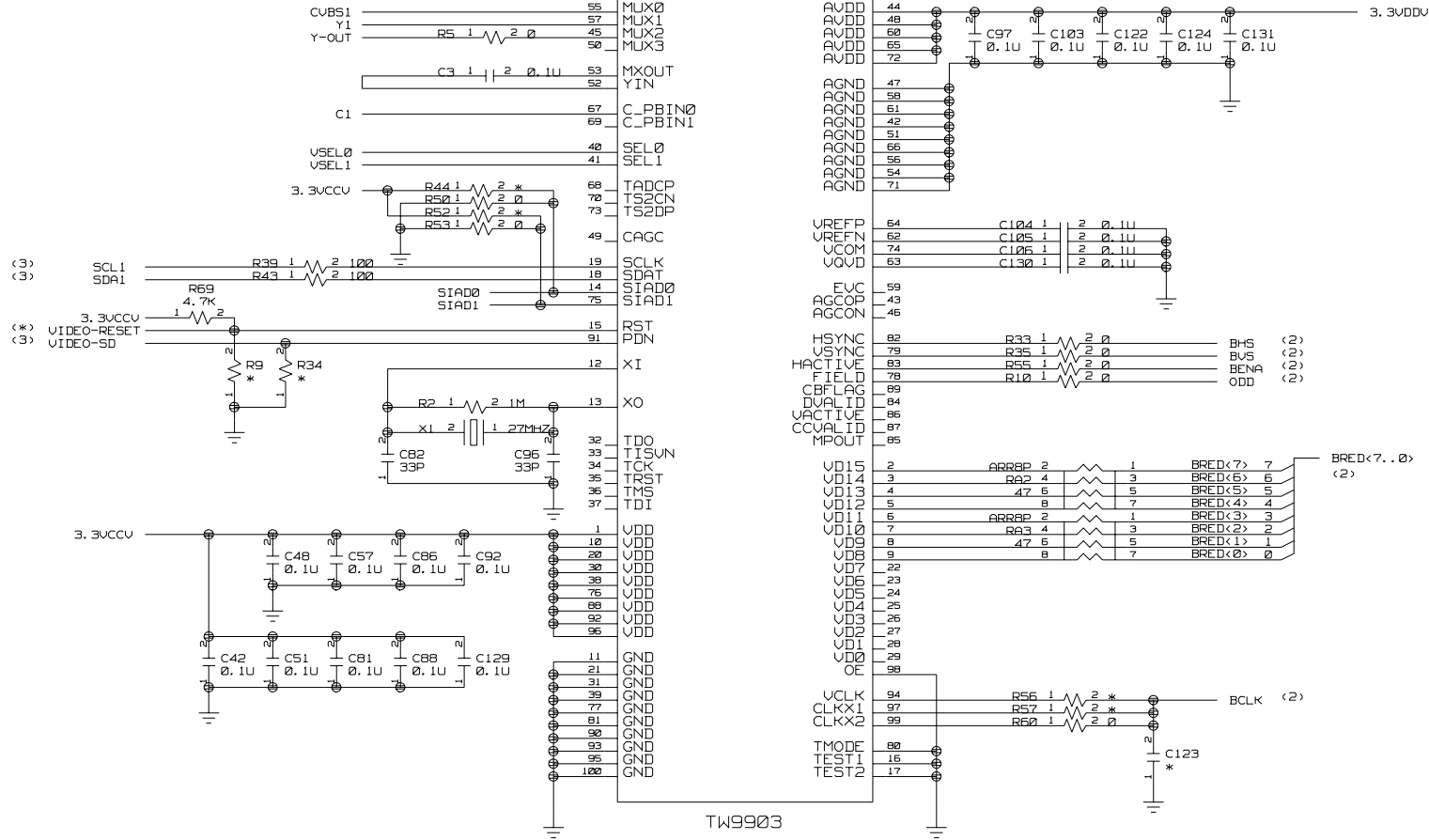
	DRAFT	CHECKED	APPROVED

MODEL		TITLE	
EVENT		BLOCK	MCU
DATE		SHEET	3/10

#4 VM0020 (TW9903) VIDEO DECODER

U4

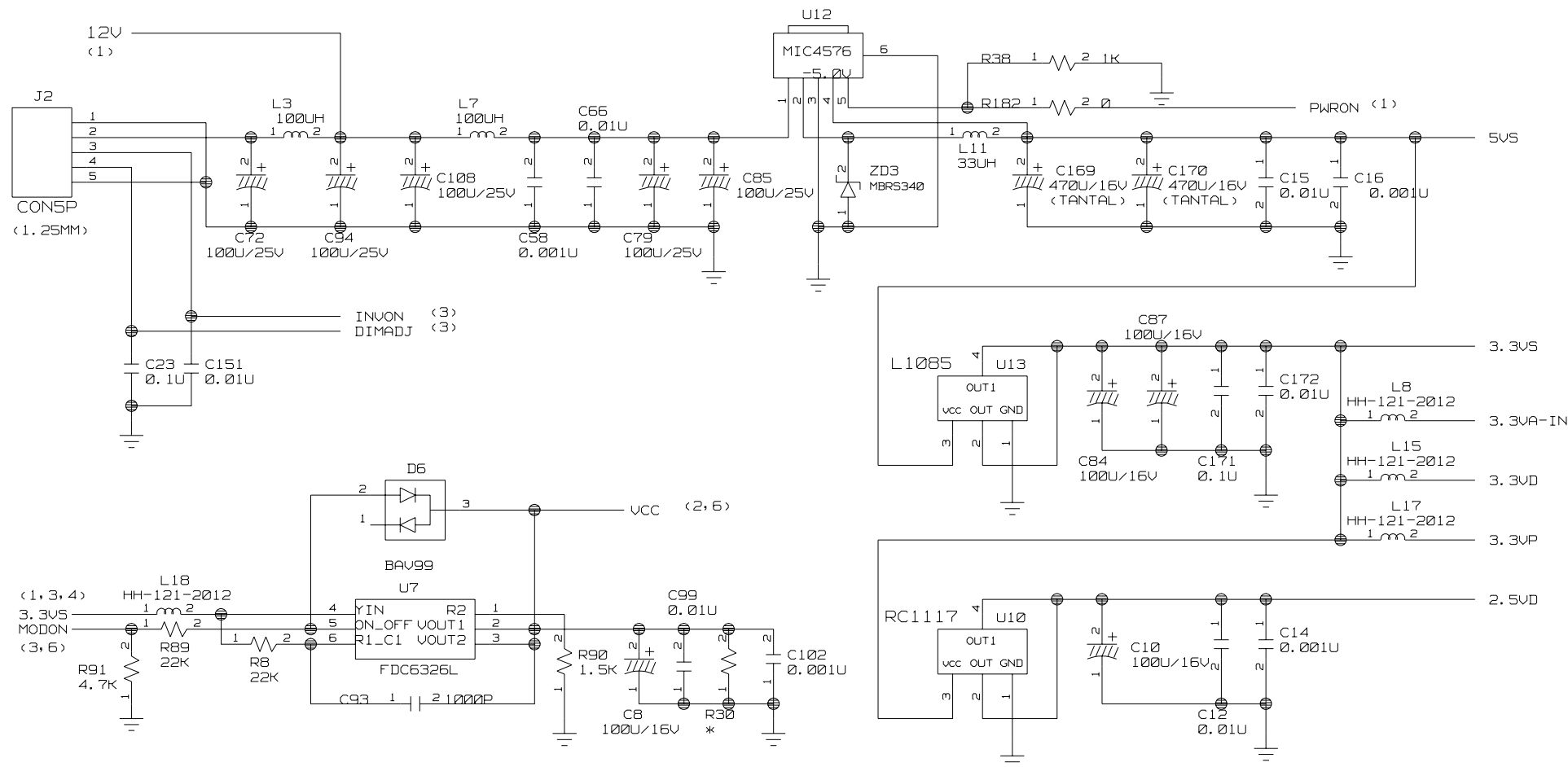
TW9903



DRAFT	CHECKED	APPROVED

MODEL	TITLE
EVENT	BLOCK
DATE	SHEET
	VIDEO DECODER 4/10

#5 VM0020 (BS102V) POWER



DRAFT

CHECKED

APPROVED

MODEL

TITLE

EVENT

BLOCK

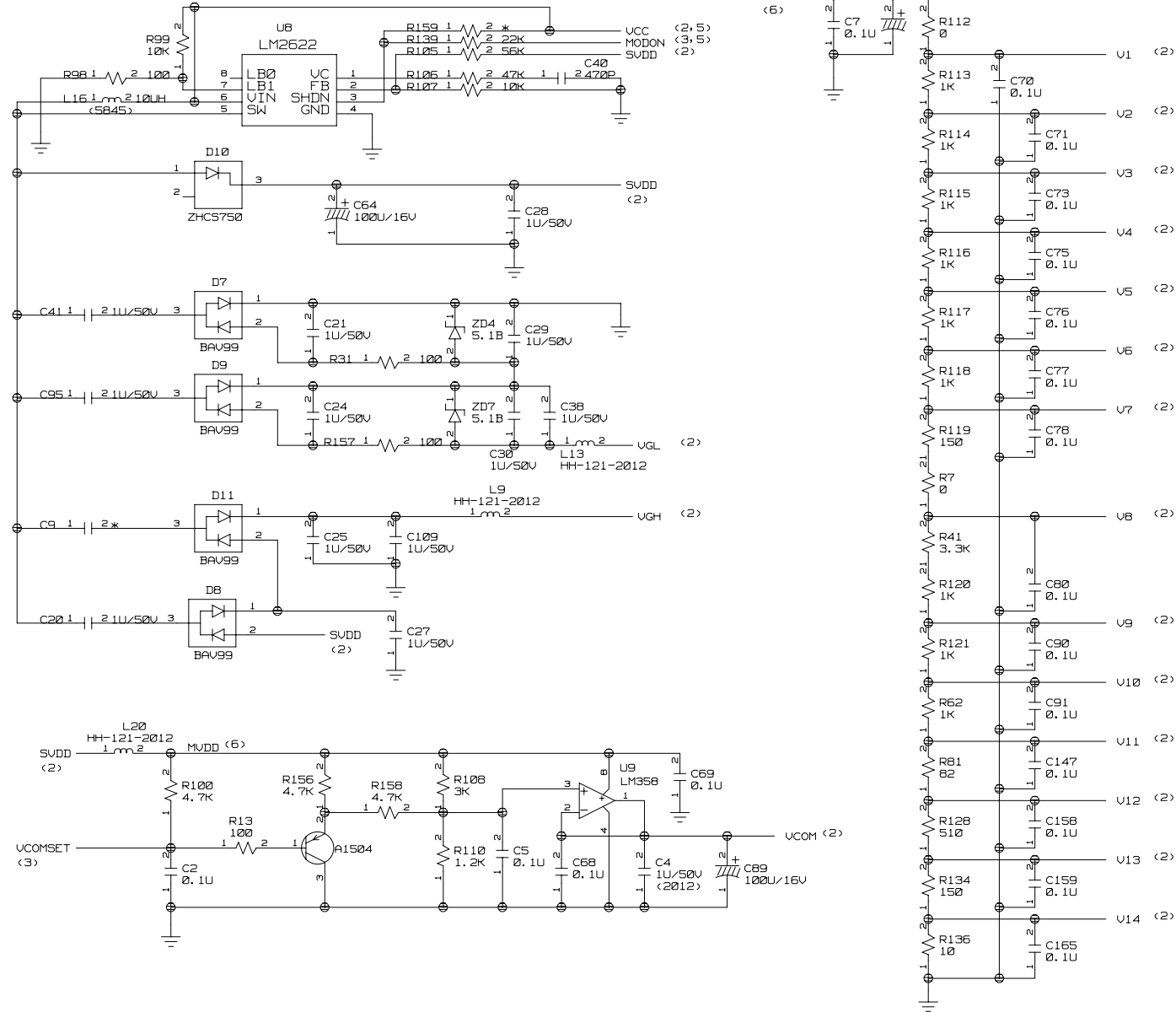
POWER

DATE

SHEET

5/10

#6 VM0020(BS102V) WUGA POWER & MODULE CONNECTOR



DRAFT	CHECKED	APPROVED

MODEL		TITLE	
EVENT		BLOCK	VCOM
DATE		SHEET	6/10

6

5

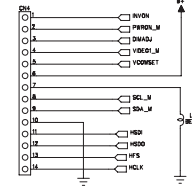
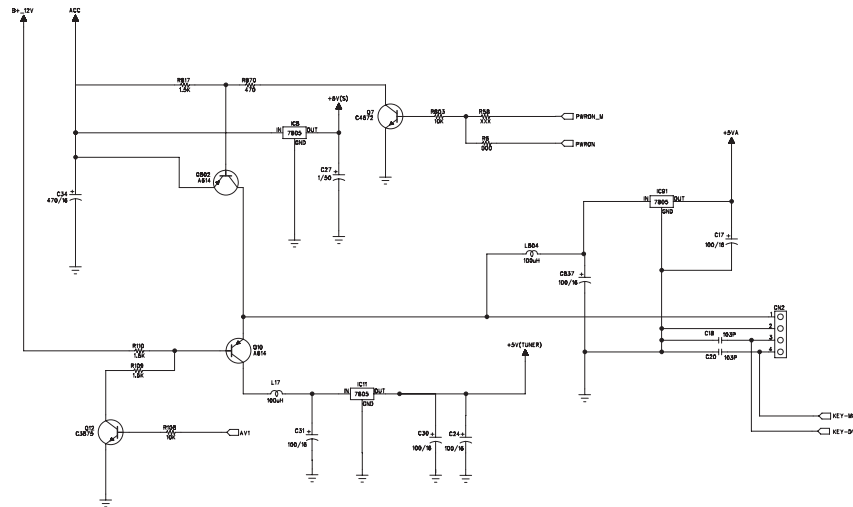
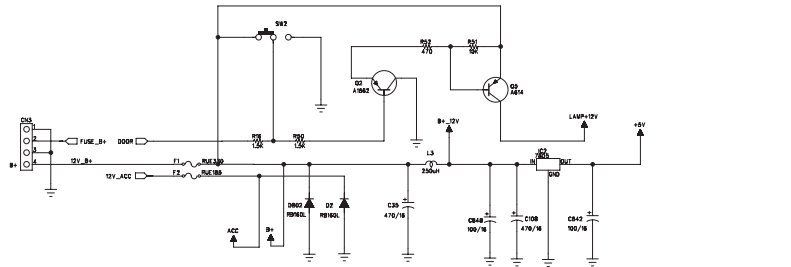
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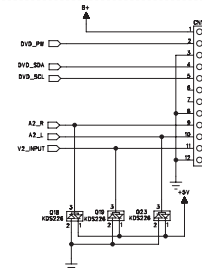
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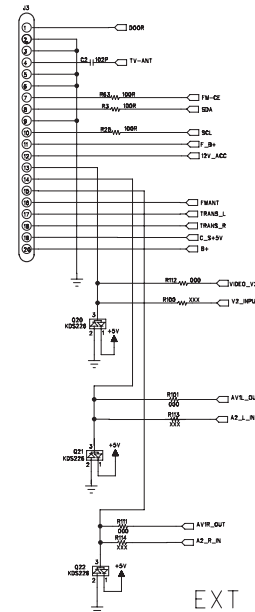
REVISION RECORD			
LTR	ECO NO.	APPROVED	DATE



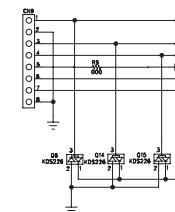
LCD PANEL



DVD INTERFACE



EXT IN/OUT



EXT INPUT

		COMPANY:			
		TITLE:			
DRAWN:	DATED:				
CHECKED:	DATED:	CODE:	SIZE:	DRAWING NO:	REV:
QUALITY CONTROL:	DATED:				
RELEASED:	DATED:				
		SCALE:			SHEET: 1 OF 3

6

5

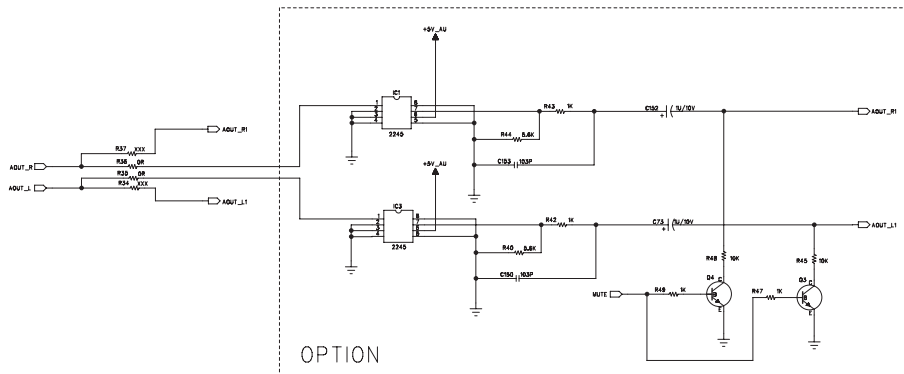
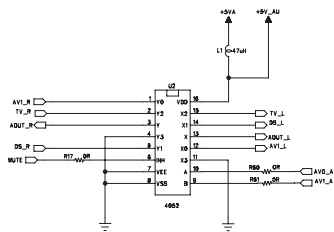
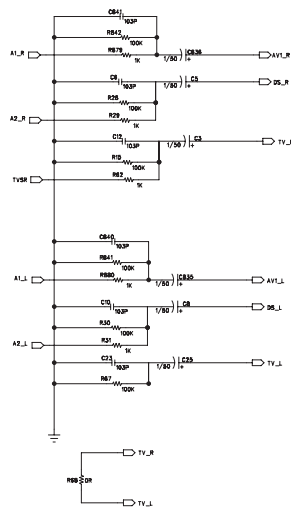
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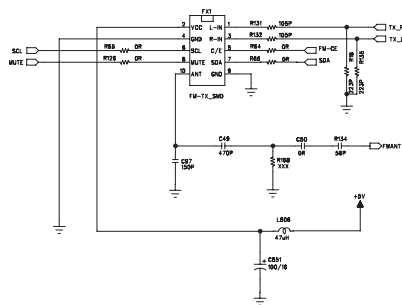
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1

REVISION RECORD			
LTR	ECO NO.	APPROVED	DATE

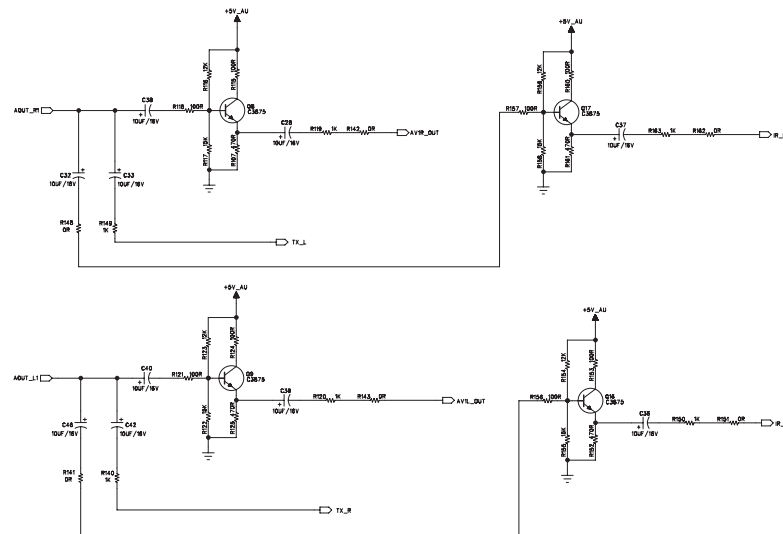


OPTION



IR & REMOTE

FM TX



COMPANY			
TITLE:			
DRAWN:	DATED:	CODE:	SIZE:
CHECKED:	DATED:	DRAWING NO:	REV:
QUALITY CONTROL:	DATED:	SHEET: 3 OF 3	
RELEASED:	DATED:	SCALE:	

6

5

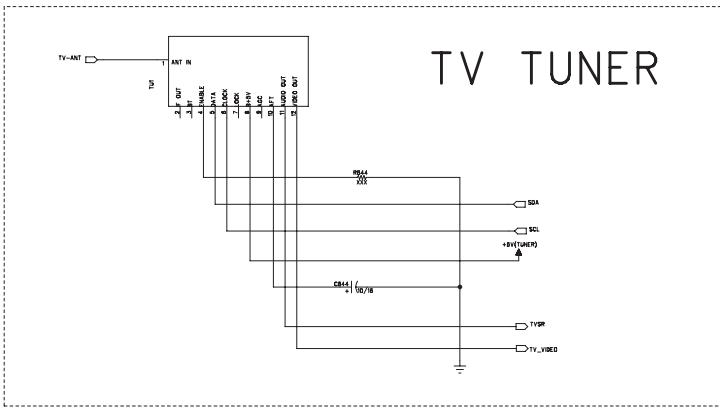
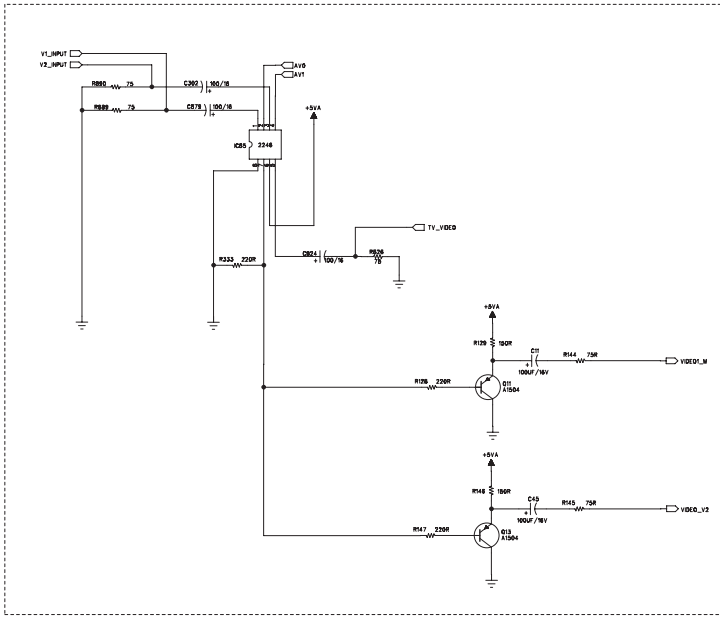
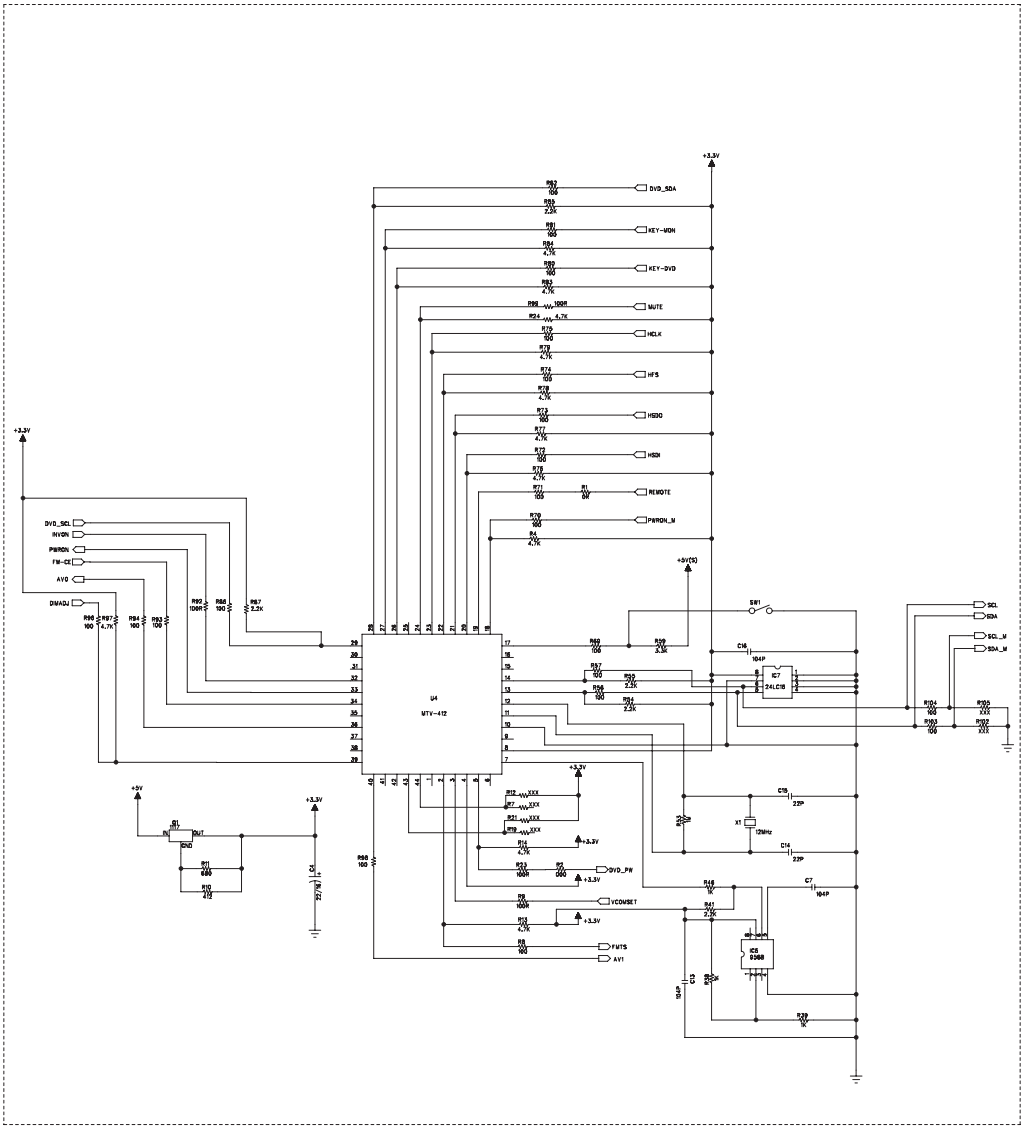
4

3

2

1

REVISION RECORD			
LTR	ECO NO.	APPROVED	DATE

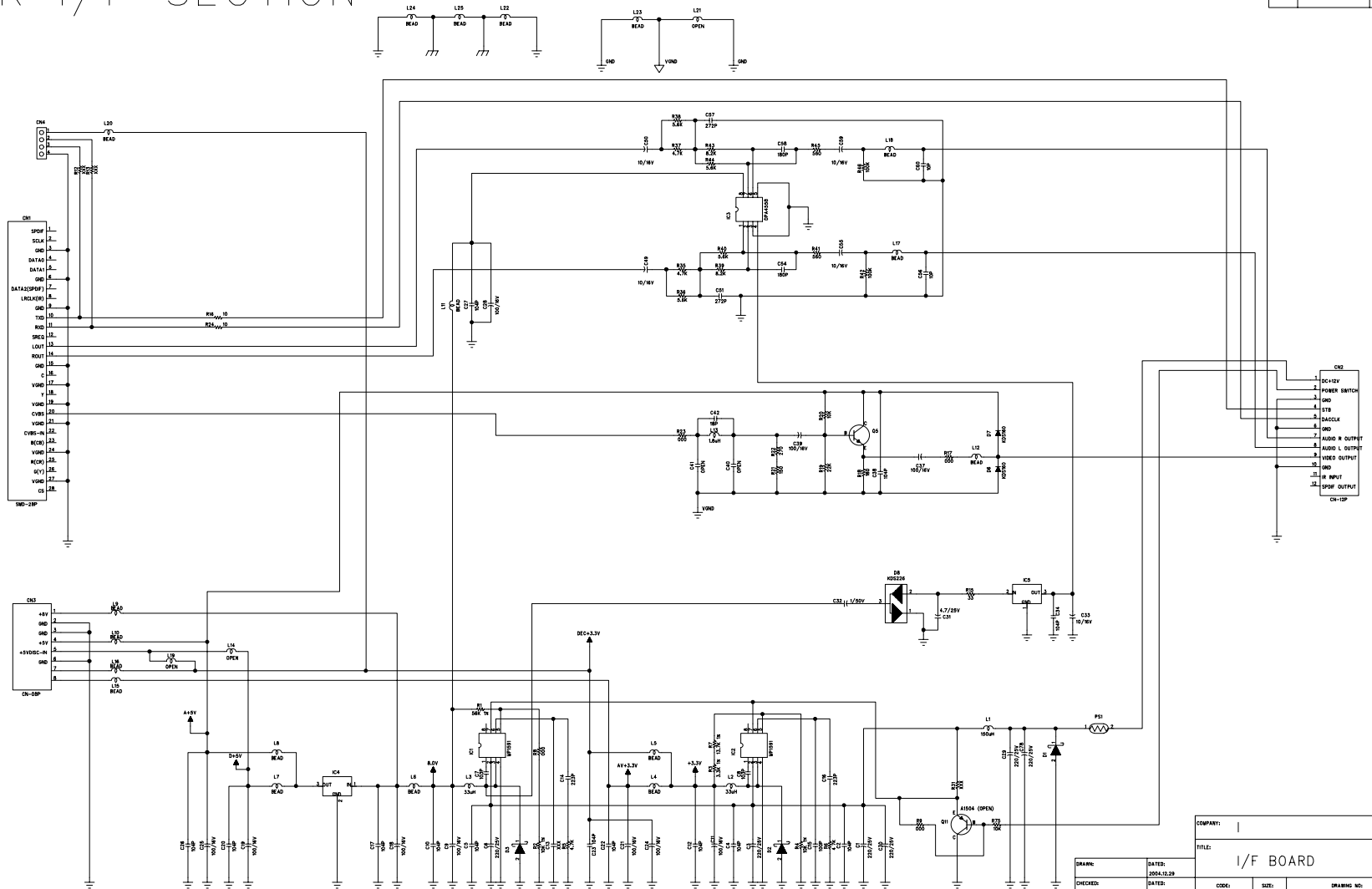


TV TUNER

COMPANY			
JN			
TITLE:			
DRAWN:	DATED:	CODE:	SIZE:
CHECKED:	DATED:	DRAWING NO:	REV:
QUALITY CONTROL:	DATED:	SCALE:	SHEET: 3 OF 3
RELEASED:	DATED:		

DECK I/F SECTION

REVISION RECORD			
LTN	EDD NO.	APPROVED	DATE



DRAWN:		I/F BOARD			
DATE:		2004.02.28			
CHECKED:		DATE:		DRAWING NO:	
QUALITY CONTROL:		DATE:		P102D-D01-3	
RELEASED:		DATE:		REV:	
SCALE:				SHEET: OF	

COMPANY:		I/F BOARD			
TITLE:		P102D-D01-3			
CODE:		SIZE:		DRAWING NO:	
				REV:	

The schematic diagram illustrates a power supply circuit for a device labeled FIF1011-12A. The circuit is powered by a transformer (T1) with a primary winding connected to a 220V AC source. The secondary winding provides four output voltages: 0V, 5V, 12V, and 24V. The 5V output is regulated by a 7805 voltage regulator (U1) to provide a +5V supply. The 12V output is regulated by a 7812 voltage regulator (U2) to provide a +12V supply. The 24V output is regulated by a 7824 voltage regulator (U3) to provide a +24V supply. The 0V output is connected to ground. The circuit also includes a fuse (F1) and a diode (D1) for protection. The power supply is connected to a device labeled FIF1011-12A, which has pins for +5V, +12V, +24V, and GND. The schematic is drawn on a grid with columns A-H and rows 1-6.

Title			
FIF1011-12A			
Size	Number	Rev	
A1		0	
Date	2004.06.10	Drawn by	J.S.KIM
Filename		Sheet	of

MODEL		SECTION	P A R T S L I S T (CIRCUIT PARTS)							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		SUB MAIN PCB ASS'Y											
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLAY			
1		MAIN PCB											
2	AUTO INSET	-RESISTOR (1608 TYPE)	0 Ω			23			R3.5.6.17.23				
3									R25.26.30.60.61				
4									R68.101.111.112.140				
5									R141.142.143.148.149				
6									R151.162.892				
7			75 Ω			5			R144.145.826.889.890				
8			100 Ω			32			R1.7.8.18.19				
9									R56.57.64.65.66				
10									R69.70.71.72.73				
11									R74.75.80.81.82				
12									R86.93.94.98.103				
13									R104.115.118.121.124				
14									R153.160				
15			150 Ω			2			R129.146				
16			220 Ω			4			R127.128.147.839				
17			412 Ω 1%		NEW	1			R10				
18			470 Ω			6			R52.107.125.152.161				
19									R843				
20			680 Ω			1			R11				
DATE		REVISION		SIGN	DATE		REVISION				PAGE		
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MODEL		SECTION	P A R T S L I S T (CIRCUIT PARTS)							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		SUB MAIN PCB ASS'Y											
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLAY			
21		-RESISTOR (1608 TYPE)	1 KΩ			14			R29.31.38.39.46				
22									R62.96.119.120.130				
23									R150.163.879.880				
24													
25			1.5 KΩ			4			R16.50.109.110				
26			2.2 KΩ			3			R41.54.55				
27			3.3 KΩ			1			R59				
28			4.7 KΩ			21			R4.9.12.13.14				
29									R20.21.22.76.77				
30									R78.79.83.84.85				
31									R87.90.91.92.97				
32									R99				
33			10 KΩ			4			R2.51.108.803				
34			12 KΩ			4			R116.123.154.159				
35			15 KΩ			4			R117.122.155.158				
36			47 KΩ			1			R891				
37			100 KΩ			5			R15.28.67.841.842				
38			1 MΩ			1			R53				
39													
40		-RESISTOR (2012 TYPE)	470 Ω			1			R878				
DATE		REVISION		SIGN	DATE		REVISION				PAGE		
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NOTE													

MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		SUB MAIN PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION			UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS		SUPPLY	
41		-RESISTOR (2012 TYPE)	1.5 KΩ				1			R817			
42													
43		-CAPACITOR (1608 TYPE)	10 pF				1			C885			
44			22 pF				2			C14.15			
45			27 pF				1			C888			
46			100 pF				1			C53			
47			0.01 μF				10			C2.6.10.12.18			
48										C20.23.96.840.841			
49			0.1 μF				7			C7.13.16.52.857			
50										C858.886			
51													
52		-CAPACITOR (2012 TYPE)	10 pF				1			C887			
53													
54		-CAPACITOR (ALUMINUM)	1	μF/ 50V 4.3φ			6			C3.5.8.25.835			
55										C835			
56			10	μF/ 16V 4.3φ			11			C28.32.33.36.37			
57										C38.39.40.42.46			
58										C844			
59			100	μF/ 16V 6.3φ			12			C11.17.24.30.31			
60										C45.802.815.837.842			
DATE		REVISION		SIGN		REVISION							PAGE
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NOTE													

MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		SUB MAIN PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLY			
81		-DIODE	RB160-40			2			D2.802				
82													
83		-X - TAL	12 MHZ			1			X1				
84													
85		-IC	KA 7805F (D-PAK)			2			IC2.91				
86			NJM2246M			1			IC85				
87			78L05 (SOT89)			1			IC8				
88		-WAFER	NJM4052			1			U2				
89			24LC16			1			IC7				
90			958B			1			IC6				
91													
92		-IC SOCKET	MTV412 SOCKET			1			U4'				
93													
94		-WAFER	08-622-012-001-800 (12P 上)			1			CN1				
95			S4B-ZR 4P JST ANGLE			1			CN2(BIGSON MODEL)				
96			S6B-ZR 6P JST ANGLE			1			CN8(MOBIS MODEL)				
97			ACT80(0.8mm-H=1.5-10P)						FX1				
98													
99		-FUSE(SMD)	1206SFF150F/63-2 1.5A	NEW		1			F2				
100			1206SFF300F/32-2 3A	NEW		1			F1				
DATE		REVISION		SIGN	DATE		REVISION				PAGE		
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NOTE													

MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		SUB MAIN PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLY			
121		-WAFER	4P POWER	NEW		1			CN3				
122			IPL1-010-01-L-D 20P ANGLE	NEW		1			J3				
123													
124		-TUNER	TCPN2121P30A			1			TU1				
125													
126													
127													
128													
129													
130													
131													
132													
133													
134													
135													
136													
137													
138													
139													
140													
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MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		SWITCH PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS		SUPPLAY		
1	AUTOINSET	MAIN PCB											
2		-RESISTOR (1608 TYPE)	0 Ω			2	₩0.8	₩1.6	R9.10				
3			1 KΩ			9	₩0.8	₩7.2	R21				
4			1.5 KΩ			2	₩0.8	₩1.6	R1.8				
5			2.2 KΩ			2	₩0.8	₩1.6	R2.7				
6			3.3 KΩ			2	₩0.8	₩1.6	R3.6				
7			10 KΩ			2	₩0.8	₩1.6	R4.5				
8													
9		-LED	LEBB-S16			1	₩200.0	₩200.0	LD10				
10													
11		-SWITCH	IT-1157(ASND)			10	₩45.0	₩450.0	SW1.2.3.4.5				
12									SW6.7.8.9.10				
13													
14		-WAFER	4P JST ANGLE			1	₩245.0	₩245.0	CN1				
15													
16													
17													
18													
19													
20													
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NOTE													

MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		IR PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLAY			
1	AUTOINSET	MAIN PCB											
2		-MAIN PCB	0 Ω			4			R5.10.11.12				
3			33 Ω			2			R1.2				
4			75 Ω			2			R3.4				
5			470 Ω			1			R18				
6			1 KΩ			2			R15.16				
7			75 KΩ			4			R6.7.8.9				
8			100 KΩ			2			R14.17				
9													
10													
11		-CAPACITOR (1608 TYPE)	0.01 μF			2			C6.7				
12													
13		-CAPACITOR (TANTAL)	0.47 μF/ 35V A			2			C8.9				
14			10 μF/ 16V A			4			C10.11.12.13				
15			100 μF/ 16V D			2			C3.5				
16													
17		-IC	7809 D-PAK			1			IC2				
18			TA2061AF			1			IC1				
19													
20		-TRANSISTOR	C4672 SOT89			2			Q1.2				
DATE		REVISION		SIGN	DATE		REVISION			PAGE			
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NOTE													

MODEL		SECTION		P A R T S L I S T (CIRCUIT PARTS)						DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING		IR PCB ASS'Y											
NO	CODE NO.	DESCRIPTION	SPECIFICATION			UNIT	Q'TY	UNIT PRICE	TOTAL PRICE			SUPPLAY	
21	MANUAL												
22		-WAFER	B8B-ZR 8P JST STRAIGHT				1			CN1			
23													
24		-RX MODULE	KSM-603TM2				1			RX1			
25													
26		-IR	SIR568ST3F				8			LD1.2.3.4.5.6.7.8			
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
DATE		REVISION		SIGN	DATE		REVISION					PAGE	
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NOTE													

MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2" DVD CEILING P102D-A02-13		ARRAY PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS		SUPPLAY		
1	MANUAL	-JACK (RCA)	3P (YELLOW-RED-WHITE)			1			J1	TIM			
2													
3		-CAPACITOR	2200/25V 12 ϕ			1			C2	KS			
4													
5		-COIL	CHOKE COIL(30*20) 565uH			1			C4	KEUMKANG			
6		-WAFER	00-8283-0812-00-000P STRAIGHT)			1			CN4	SUNJIN			
7			MOLEX 5267 (4P STRAIGHT)			1			CN2	SUNJIN			
8		-FUSE SOCKET	10A 20mm CLIP			1			FU1'	TIM			
9		-FUSE	220V/10A			1			FU1	TIM			
10													
11													
12													
13													
14													
15													
16													
17													
18													
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20													
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Lvl	No.	Partnumber	Item Desc.	Item Spec.	QTY	Location Number										A Date	ECO
						1	2	3	4	5	6	7	8	9	10		
1	1	VMT-0020BB	PWB(PCB) ASSY.MAIN	BS102V MAIN TOTAL												2E+07	
2	1	VMH-0020BB	PWB(PCB) ASSY.MAIN	BS102V MAIN HAND INSERTING												2E+07	
2	2		BOARD LABEL	BS102V												2E+07	
2	3		WAFER	00-8283-14-11-00-000 ELCO 2.0MM PLUG RIGHT ANGLE	1	J1										2E+07	
2	4		WAFER	20017WR-14A00 14P 2.0MM YEON-HO RIGHT ANGLE	1	U11										2E+07	
2	5		AXIAL INDUCTOR	AL02TB100K 10UH//160MA 5.0MM==아비코	1	L4										2E+07	
		VMS-0020BB	PWB(PCB) ASSY.MAIN	BS102V MAIN SMT TOP												2E+07	
3	1		AI. CAPCITOR/SAMHWA/RUB	100UF 16V SMD 4*5.3*4.8(D*L*W) SC-TYPE	1	C18										2E+07	
3	2		AI. CAPCITOR/SAMHWA/RUB	100UF 16V SMD 6.3*5.8(D*L*W) GC-TYPE	6	C8	C10	C64	C84	C87	C89					2E+07	
3	3		AI. CAPCITOR/SAMHWA/RUB	100UF 25V SMD 8*6.2(D*L*W) GC-TYPE	5	C72	C79	C85	C94	C108						2E+07	
3	4		CAPACITOR, CHIP CERAMIC	10NF 50V K X7R 1608 R/TP	7	C12	C15	C62	C66	C99	C151	C172				2E+07	
3	5		CAPACITOR, CHIP CERAMIC	1NF 50V K X7R 1608 R/TP	6	C14	C16	C58	C65	C93	C102					2E+07	
3	6		CAPACITOR, CHIP CERAMIC	1UF 25V Z X5R 2012 R/TP //SAMSUNG	13	C4	C20	C21	C24	C25	C27	C28	C29	C30	C38	2E+07	
						C41	C95	C109								2E+07	
3	7		CAPACITOR, CHIP CERAMIC	0.1UF 16V K X7R 1608 R/TP	74	C1	C2	C3	C5	C7	C11	C13	C22	C23	C32	2E+07	
						C33	C34	C35	C36	C39	C42	C43	C47	C48	C51	2E+07	
						C52	C57	C60	C61	C68	C69	C70	C71	C73	C74	2E+07	
						C75	C76	C77	C78	C80	C81	C83	C86	C88	C90	2E+07	
						C91	C92	C97	C103	C104	C105	C106	C110	C111	C112	2E+07	
						C113	C114	C115	C116	C117	C118	C119	C120	C121	C122	2E+07	
						C124	C127	C128	C129	C130	C131	C138	C147	C158	C159	2E+07	
						C164	C165	C171	R9							2E+07	
3	8		CAPACITOR, CHIP CERAMIC	10PF 50V J NP0 1608 R/TP	6	C50	C54	C55	C56	C63	C67					2E+07	
3	9		CAPACITOR, CHIP CERAMIC	100PF 50V J NP0 1608 R/TP	1	C59										2E+07	
3	10		CAPACITOR, CHIP CERAMIC	56PF 50V J NP0 1608 R/TP	1	C163										2E+07	
3	11		CAPACITOR, CHIP CERAMIC	330PF 50V J NP0 1608 R/TP	2	C44	C126									2E+07	
3	12		CAPACITOR, CHIP CERAMIC	12PF 50V J NP0 1608 R/TP	3	C6	C31	C37								2E+07	
3	13		CAPACITOR, CHIP CERAMIC	15PF 50V J NP0 1608 R/TP	2	C46	C162									2E+07	
3	14		CAPACITOR, CHIP CERAMIC	27PF 50V J NP0 1608 R/TP	2	C17	C19									2E+07	
3	15		CAPACITOR, CHIP CERAMIC	33PF 50V J NP0 1608 R/TP	2	C82	C96									2E+07	
3	16		CAPACITOR, CHIP CERAMIC	47PF 50V J NP0 1608 R/TP	2	C26	C161									2E+07	
3	17		CAPACITOR, CHIP CERAMIC	220PF 50V J NP0 1608 R/TP													
3	18		CAPACITOR, CHIP CERAMIC	470PF 50V J NP0 1608 R/TP	1	C40										2E+07	
3	19		CAPACITOR, CHIP CERAMIC	47NF 50V K X7R 1608 R/TP	3	C45	C98	C101								2E+07	
3	20		CHIP RESISTOR	0 1/10W J 1608 D.R/TP	21	R5	R7	R10	R18	R19	R20	R32	R33	R35	R48	2E+07	
						R49	R50	R51	R53	R55	R60	R109	R111	R112	R138	2E+07	
						R182										2E+07	
3	21		CHIP RESISTOR	1K 1/10W J 1608 D.R/TP	12	R38	R45	R46	R62	R113	R114	R115	R116	R117	R118	2E+07	
						R120	R121									2E+07	
3	22		CHIP RESISTOR	1.5K 1/10W J 1608 D.R/TP	1	R90										2E+07	
3	23		CHIP RESISTOR	1.2K 1/10W J 1609 D.R/TP	1	R110										2E+07	
3	24		CHIP RESISTOR	10 1/10W J 1609 D.R/TP	1	R136										2E+07	
3	25		CHIP RESISTOR	150 1/10W J 1608 D.R/TP	2	R119	R134									2E+07	
3	26		CHIP RESISTOR	10K 1/10W J 1608 D.R/TP	2	R99	R107									2E+07	
3	27		CHIP RESISTOR	100 1/10W J 1608 D.R/TP	37	R13	R15	R16	R21	R25	R26	R31	R36	R39	R40	2E+07	
						R42	R43	R59	R63	R66	R72	R74	R75	R76	R77	2E+07	
						R78	R79	R80	R82	R94	R95	R97	R98	R103	R137	2E+07	
						R141	R142	R143	R144	R148	R157	R199				2E+07	
3	28		CHIP RESISTOR	1M 1/10W J 1608 D.R/TP	2	R2	R17									2E+07	
3	29		CHIP RESISTOR	22 1/10W J 1608 D.R/TP	5	R54	R58	R130	R131	R132						2E+07	
3	30		CHIP RESISTOR	270 1/10W J 1608 D.R/TP	1	R64										2E+07	
3	31		CHIP RESISTOR	2.7K 1/10W J 1608 D.R/TP	2	R65	R104									2E+07	
3	32		CHIP RESISTOR	3K 1/10W J 1608 D.R/TP	1	R108										2E+07	
3	33		CHIP RESISTOR	3.3K 1/10W J 1608 D.R/TP	1	R41										2E+07	
3	34		CHIP RESISTOR	22K 1/10W J 1608 D.R/TP	3	R8	R89	R139								2E+07	
3	35		CHIP RESISTOR	4.7K 1/10W J 1608 D.R/TP	12	R3	R4	R12	R28	R29	R69	R91	R100	R156	R158	2E+07	
						R179	R180									2E+07	
3	36		CHIP RESISTOR	56K 1/10W J 1608 D.R/TP	1	R105										2E+07	
3	37		CHIP RESISTOR	510 1/10W J 1608 D.R/TP	1	R128										2E+07	
3	38		CHIP RESISTOR	47K 1/10W J 1608 D.R/TP	1	R106										2E+07	
3	39		CHIP RESISTOR	82 1/10W J 1608 D.R/TP	1	R81										2E+07	
3	40		CHIP RESISTOR	75 1/10W J 1608 D.R/TP	6	R1	R6	R24	R61	R68	R102					2E+07	
3	41		CHIP ARRAY RESISTOR	47 M3216, ROHM, CHIP ARRAY RESISTOR	8	RA1	RA2	RA3	RA16	RA17	RA18	RA19	RA20			2E+07	
3	42		CHIP BEAD	HB-1H1608-300 CERATEC 1608MM R/TP	2	L10	L12									2E+07	
3	43		CHIP BEAD	HH-1M2012-121 CERATEC 2012MM R/TP	9	L2		L5	L8	L9	L13	L15	L17	L18	L20	2E+07	
3	44		CHIP INDUCTOR	FI-B2012-103-KJT 10UH CERATEC 2012MM R/TP	1	L6										2E+07	
3	45		CHIP INDUCTOR	FI-B2012-562-KJT 5.6UH CERATEC 2012MM R/TP	1	L14										2E+07	
3	46		CHIP INDUCTOR	FI-B2012-332-KJT 3.3UH CERATEC 2012MM R/TP	1	L19										2E+07	
3	47		CHIP COIL	5845-100K 10UH DACOWELL	1	L16										2E+07	
3	48		IC,INTEGRAL	REGULATOR 1.0A 2.5V IL1117-2.5 SOP	1	U10										2E+07	
3	49		IC,NIKO	REGULATOR 3.0A 3.3V 1085 D2PACK	1	U13										2E+07	
3	50		IC,TECHWELL	VIDEO DECODER TW9905 LQFP100	1	U4										2E+07	
3	51		COIL,DACOWELL	TPRH1240-101L SMD CHOKE 100UH/1.2A	2	L3	L7									2E+07	
3	52		COIL,DACOWELL	TPRH1260-330L SMD CHOKE 33UH	1	L11										2E+07	
3	53		IC, REALTEK	REALTEK SCALER XGA RTD2010 QFP208P	1	U3										2E+07	
3	54		IC,ANACHIP	150KHZ SIMPLE 3A STEP-DOWN REGULATOR AP1501-5.0 TO-263-5	1	U12										2E+07	
3	55		IC,NS	LM2622MM-ADJ MSOP-8 600KHZ,1.3MHZ STEP-UP PWM DC-DC CONV	1	U8										2E+07	
3	56		IC,CATALIST	24WC02 8P SOIC TP EEPROM	1	U14										2E+07	
3	57		IC,MITSUBISHI ELECTRIC	M62320FP 8BIT I/O Expander for I2C BUS J16P-2NA SOP127-16P	1	U21										2E+07	
3	58		IC,PHILIPS	BSS83 MOSFET N-channel enhancement switching transistor sot143b-4p	2	Q2	Q3									2E+07	
3	59		IC, FAIRCHILD	FDC6326L TP FAIRCHILD 16V 2.4A E	1	U7										2E+07	
3	60		IC,JRC	SINGLE SUPPLY DUAL AMPLIFIER NJM12904M-SOP8	1	U9										2E+07	
3	61		TRANSISTOR	SAMSUNG TR, KTA1504	1	Q1										2E+07	
3	62		CAPACITOR, TANTAL	TANTAL 7343-AVX 470UF/6.3V	2	C169	C170									2E+07	
3	63		CAPACITOR, TANTAL	TANTAL 7343-AVX 100UF/16V	2	C107	C125									2E+07	
3	64		CRISTAL	SX-1 SMS, 27.000MHZ CL 18PF	1	X1										2E+07	
3	65		CRISTAL	SX-1 SMS, 24.576MHZ CL 18PF	1	X2										2E+07	
3	66		DIODE, SCHOTTKY	SCHOTTKY POWER RECTIFIER MBRS340 TP ON-SEMI NON 40V 3A	1	ZD3										2E+07	
3	67		IC, PHILIPS	74LVC/LVT14ADR2 14P, SOIC TP LEVE	1	U6										2E+07	
3	68		DIODE ZENER	UDZ S 5.1B TP ROHM-K SOD323 200MW 5.1V 5MA	4	ZD1	ZD2	ZD4	ZD7							2E+07	
3	69		DIODE ZENER	Hight Current Schottky_Sot-23 500MW 30V 750MA, ROHM RB491	1	D10										2E+07	
3	70		DIODE, SWITCHING	BAV99 TP ON-SEMI SOT-23 80V 300M	10	D1	D2	D3	D4	D5	D6	D7	D8	D9	D11	2E+07	
3	71		WAFER,OMRON	XF2H-3015-1LW,30P 0.5MM FLEXBLE CIRCUIT CONNECTOR	2	U1	U2									2E+07	
3	72		WAFER	12505WR-05P YEON-HO 1.25MM Right Angle	1	J2										2E+07	
3	73	PNC TECH	PCB	BS102V VPM-0020BC (FR-4 2LAYER 1.6T)	1											2E+07	

MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2"		PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLAY			
1		MAIN PCB											
2		-RESISTOR (1608 TYPE)	0 Ω			2			R8.23				
3			10 Ω			3			R16.17.24				
4			33 Ω			1			R15				
5			150 Ω	NEW		1			R21				
6			180 Ω	NEW		1			R18				
7			270 Ω	NEW		1			R22				
8			560 Ω			2			R41.45				
9			4.7 KΩ			4			R5.6.35.37				
10			5.6 KΩ			4			R36.38.40.44				
11			8.2 KΩ			2			R39.43				
12			10 KΩ			3			R20.31.75				
13			22 KΩ			1			R19				
14			100 KΩ			2			R42.46				
15			3.3 KΩ 1%	NEW		1			R3				
16			10 KΩ 1%	NEW		2			R2.4				
17			13.7 KΩ 1%	NEW		1			R7				
18			56 KΩ 1%	NEW		1			R1				
19													
20		-CAPACITOR (1608 TYPE)	10 pF			2			C56.60				
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MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2"		PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION			UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS		SUPPLAY	
21		-CAPACITOR (1608 TYPE)	18	pF			1			C42			
22			180	pF			2			C54.58			
23			0.0027	μ F	NEW		2			C51.57			
24			0.01	μ F			2			C7.8			
25			0.022	μ F			2			C14.16			
26			0.1	μ F			13			C2.4.5.10.12			
27										C17.20.22.23.26			
28										C27.34.38			
29													
30		-CAPACITOR (ALUMINUM)	4.7	μ F/ 35V	4.0 ϕ		1			C31			
31			1	μ F/ 50V	4.0 ϕ		1			C32			
32			10	μ F/ 16V	4.0 ϕ		1			C33			
33													
34		-CAPACITOR (TANTAL)	10	μ F/ 16V	3216 A		4			C49.50.55.59			
35			100	μ F/ 6.3V	3528 B2		7			C11.19.21.24.25			
36										C37.39			
37			100	μ F/ 10V	7343 C		3			C9.18.28			
38													
39		-TRANSISTOR	A1504 (S0T23)				1			Q11			
40			C2412 (S0T23)				1			Q5			
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MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2"		PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLAY			
41		-INDUCTOR	1.8 μ h	NEW		1			L13				
42			15 μ h 1250	NEW		1			L2				
43			33 μ h 1250	NEW		1			L3				
44			150 μ h 1250	NEW		1			L1				
45			BEAD			18			L4.5.6.7.8				
46									L9.10.11.12.15				
47									L16.17.18.21.22				
48									L23.24.25				
49													
50		-DIODE	KDS - 160			2			D6.7				
51			KDS - 226			1			D8				
52			RB160L-40			3			D1.2.3				
53													
54		- IC	MP1591	NEW		2			IC1.2				
55			OPA4558	NEW		1			IC3				
56			KA79L08 SOT89	NEW		1			IC5				
57			KA7805 D-PAK			1			IC4				
58													
59		-WAFER	08-6212-028-340-800A (28P上)			1			CN1				
60			08-622-012-001-800 (12P上)			1			CN2				
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NOTE													

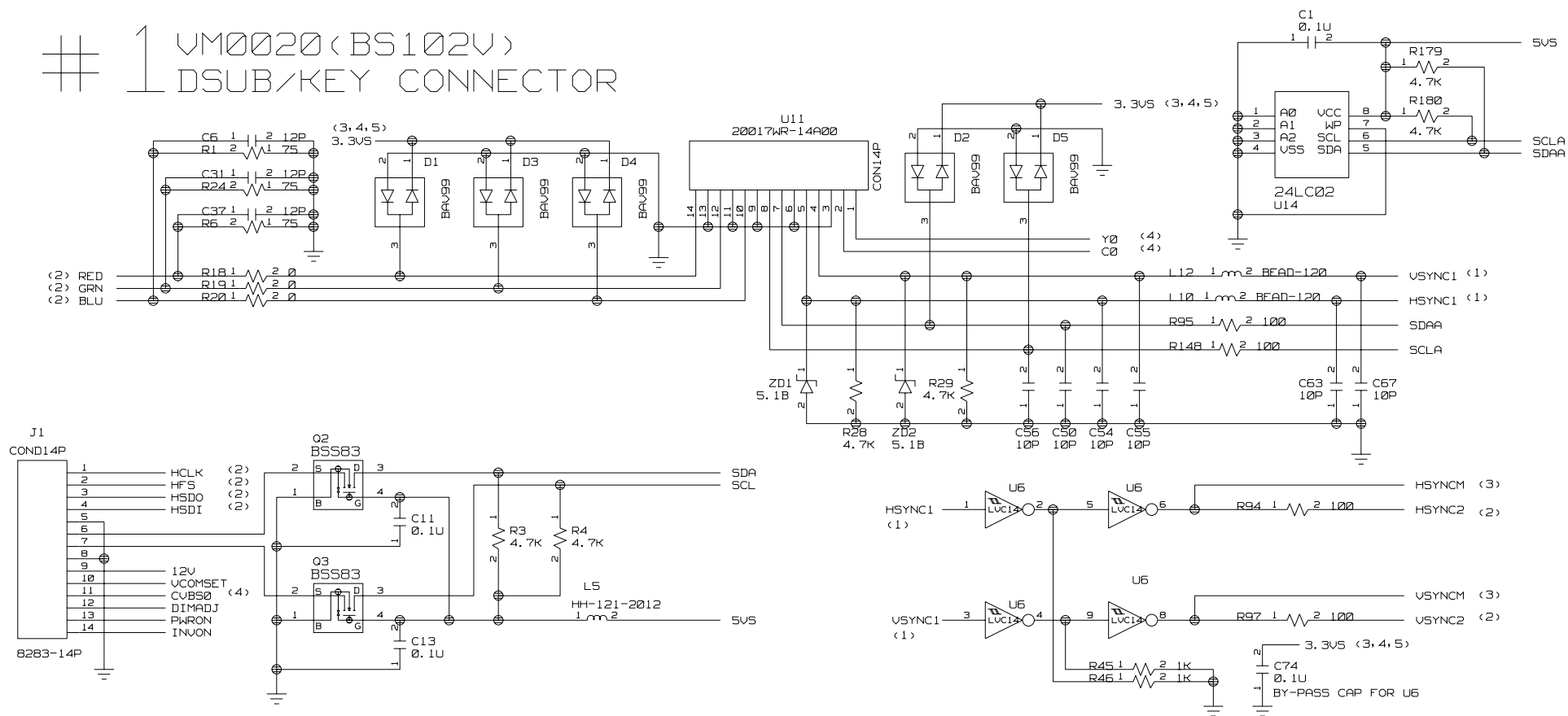
MODEL		SECTION	P A R T S L I S T							DRAWN	PLANNED	CHECKED	APPROVED
10.2"		PCB ASS'Y	(CIRCUIT PARTS)										
NO	CODE NO.	DESCRIPTION	SPECIFICATION			UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS		SUPPLAY	
61		- MANUAL											
62		-WAFER	B8B-ZR JST ANGLE 8P				1			CN3			
63													
64		-CAPACITOR (EL)	220 μ F/ 25V 6.0*11				6			C1.3.6.29.30			
65										C78			
66													
67		-POLY S/W	RUE110				1			PS1			
68													
69													
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INVERTOR SECTION

NO.	Ref.	Part Type	Components		Q,ty
			Vendor 1	Vendor 2	
1	T3	TRS1001A	Kyung in/Dong hung	MTI / Darfon	1
2	U8	OZ960S / OZ960SN	O2MICRO		1
3	U1	AP9930M	Advanced Power Electronics		1
4	U2	S7142SF	AUK		1
5	D2,6	BZT52C5V6S / UDZS TE-17 5.6B	Diodes	Rohm	2
6	D3	DAN217 / BAV99	Rohm	Diodes	1
7	D1	UDZS5.1B	Rohm		1
8	U6	DCX114YU / UMD9N	Diodes	Rohm	1
9	C6	CC 330J/3KV(4520)	Joinset	Johanson	1
10	C1,3	CC 106Z/25V (3225)	S/S	Taiyo Yuden, TDK	2
11	C8,9	CC 473K/50V (2012)	S/S	Taiyo Yuden, TDK	2
12	C16	CC 474Z/25V (2012)	S/S	Taiyo Yuden, TDK	1
13	C4,5,19	CC 225Z/16V(2012)	S/S	Taiyo Yuden, TDK	3
14	C10	CC 271J/50V (2012)	S/S	Taiyo Yuden, TDK	1
15	C14	CC 104K/50V (2012)	S/S	Taiyo Yuden, TDK	1
16	C2,15,18,20	CC 105Z/16V (2012)	S/S	Taiyo Yuden, TDK	4
17	C22	CC 103K/50V (2012)	S/S	Taiyo Yuden, TDK	1
18	C23	CC 152K/50V (2012)	S/S	Taiyo Yuden, TDK	1
19	R4,8,14	CR 10K,5%,1/10W (1608)	S/S	Rohm	3
20	R9,19	CR 56K,5%,1/10W (1608)	S/S	Rohm	2
21	R5	CR 430 ohm,5%,1/10W (1608)	S/S	Rohm	1
22	R2	CR 300 ohm,5%,1/10W (1608)	S/S	Rohm	1
23	R1	CR 1K ,5%,1/10W (1608)	S/S	Rohm	1
24	R12,17	CR 1.2K ,5%,1/10W (1608)	S/S	Rohm	2
25	R3	CR 1K ,5%,1/4W (3216)	S/S	Rohm	1
26	F1	2A (1608)	DAITO	Copper Bussmann	1
27	CN1	12505WR-05A00	Yeon-Ho,JST	Molex,Chyaoshinn	1
28	CN2	35001WR-02A00	Yeon-Ho,JST	Molex,Chyaoshinn	1
29	P.W.B	P1011E12 ver2.0	Seo il/CNB/KDS	Youknowtech/Ji guan	1

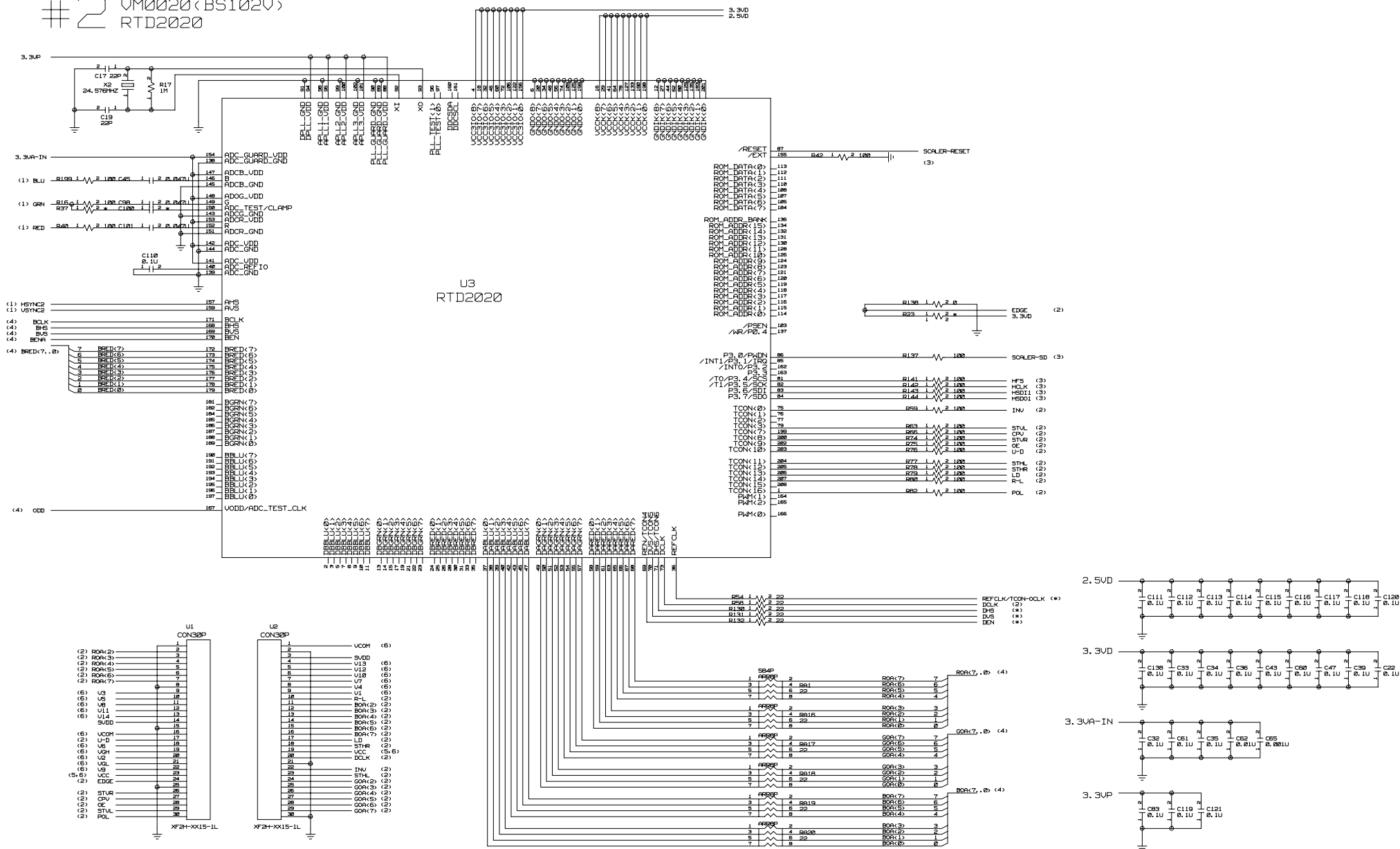
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TOYOTA			(CIRCUIT PARTS)										
10.2" COMBO													
NO	CODE NO.	DESCRIPTION	SPECIFICATION		UNIT	Q'TY	UNIT PRICE	TOTAL PRICE	REMARKS	SUPPLAY			
1	CABLE	-MONITOR	EH-20			1				KUNHA			
2		-INVERTER	YH-01			1				KUNHA			
3		-IR	JH-05			1				KUNHA			
4		-DVD LOADER	JH-24			1				KUNHA			
5			FC-07			1				KUNHA			
6		-INTERFACE	FC-02			1				KUNHA			
7		-ARRAY	EH-21 EOUNJUB		NEW	1				KUNHA			
8			MH-01 EOUNJUB		NEW	1				KUNHA			
9		-SWITCH	JH-06 80mm		NEW	1				KUNHA			
10		-GND WIRE (RING)	Φ3.0 - Φ2.5 (80mm)			2				KUNHA			
11			Φ2.5 (60mm)			1				KUNHA			
12	EMI RING CORE	-EMI RING CORE	BNF 12(7m/m):RING			1				TDK			
13	PANEL	-10.2 INCH	AU / INNOLUX			1				EUNPA			
14	DVD LOADER	-DVD LOADER	DSS-826			1				DVS			
15	ASS'Y BOARD	-MONITOR	BS102V			1				BOMION			
16		-INVERTER	FIF1011-12C		NEW	1				FRONTEK			
17													
18													
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1 VM0020(BS102V)
DSUB/KEY CONNECTOR



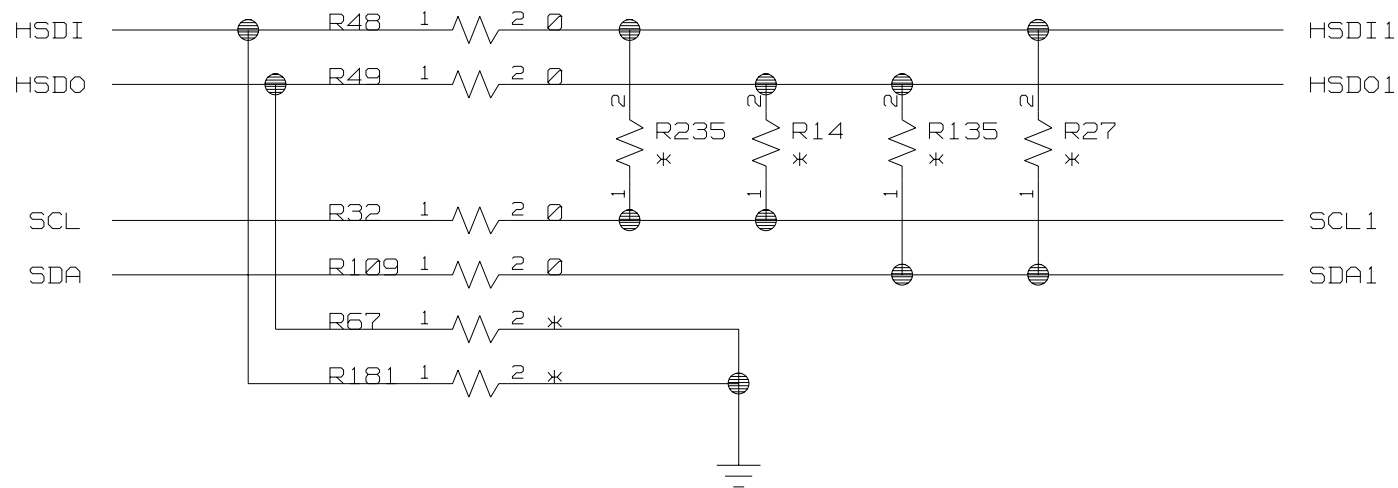
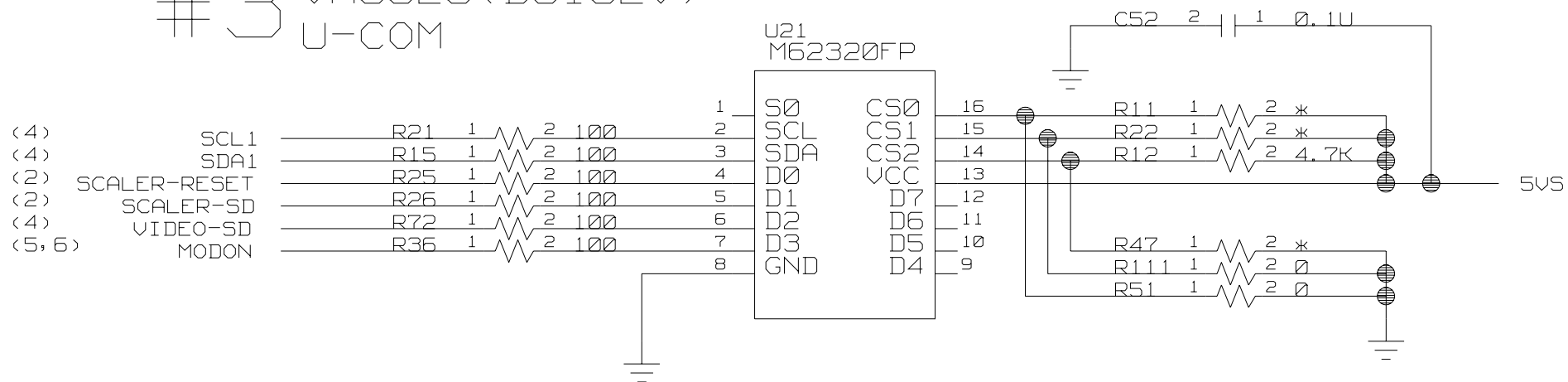
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Event	BB	Block	Input
Date	2004. 09. 15	Sheet	1 / 10

#2 VM0020(BS102V)
RTD020



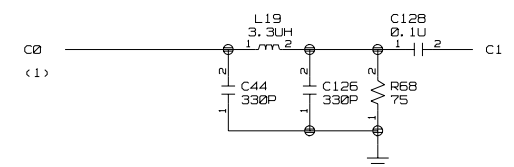
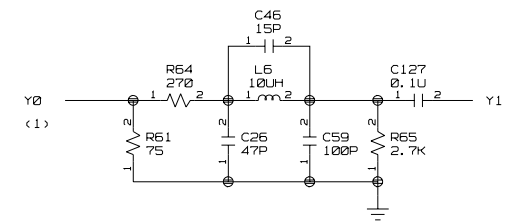
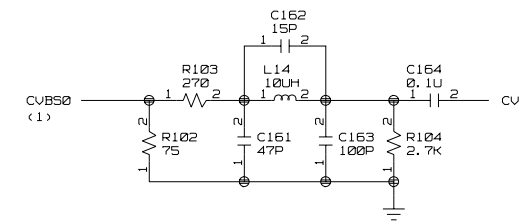
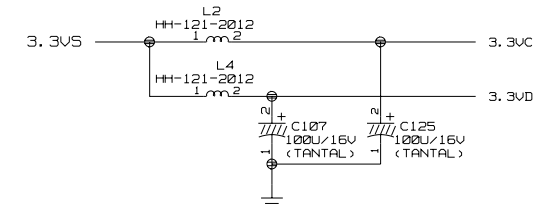
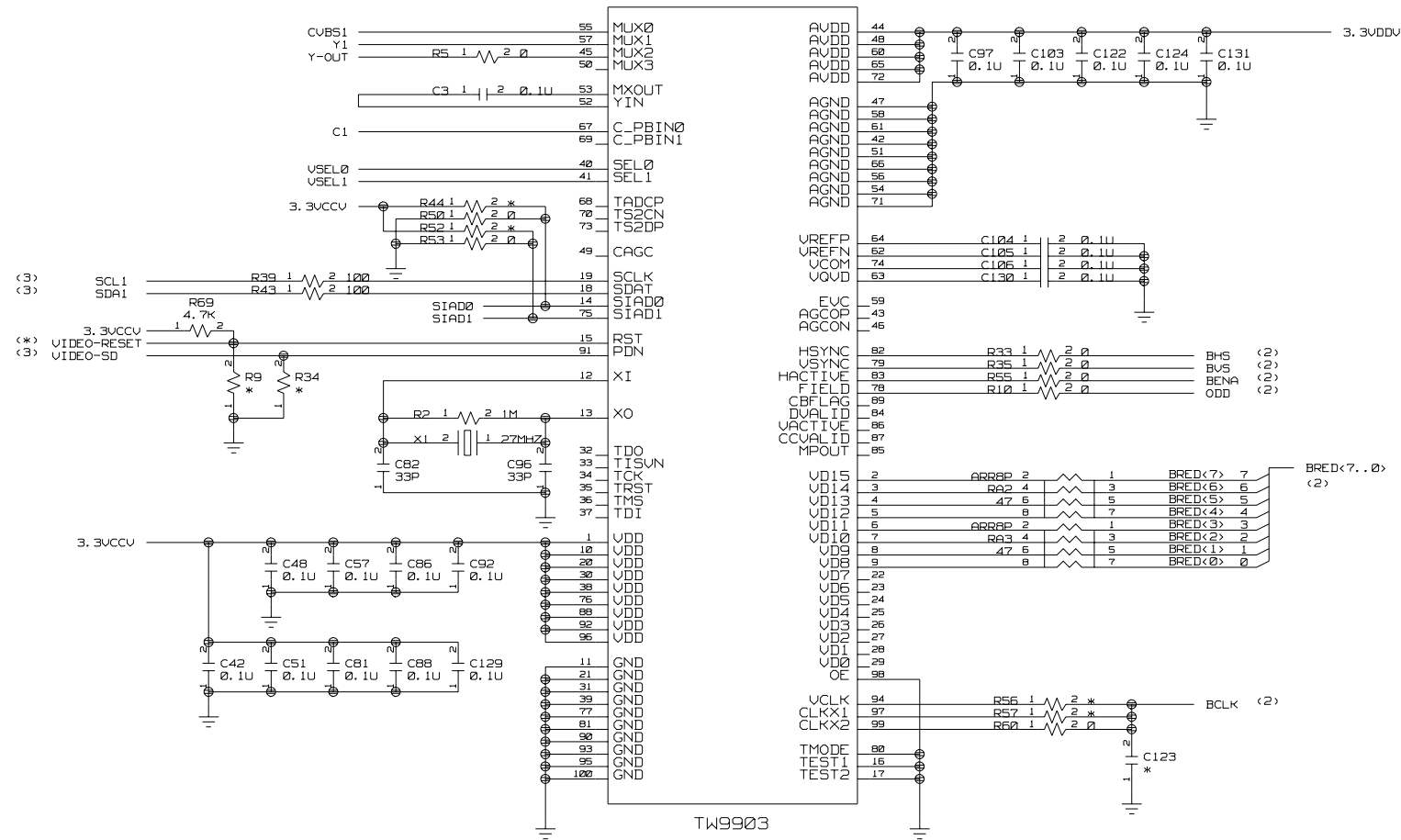
Model	BS102V(VM0020)	Title	Main
Event	BB	Block	SCALER
Date	2004.09.15	Sheet	2 / 10

#3 VM0020 (BS102V) U-COM



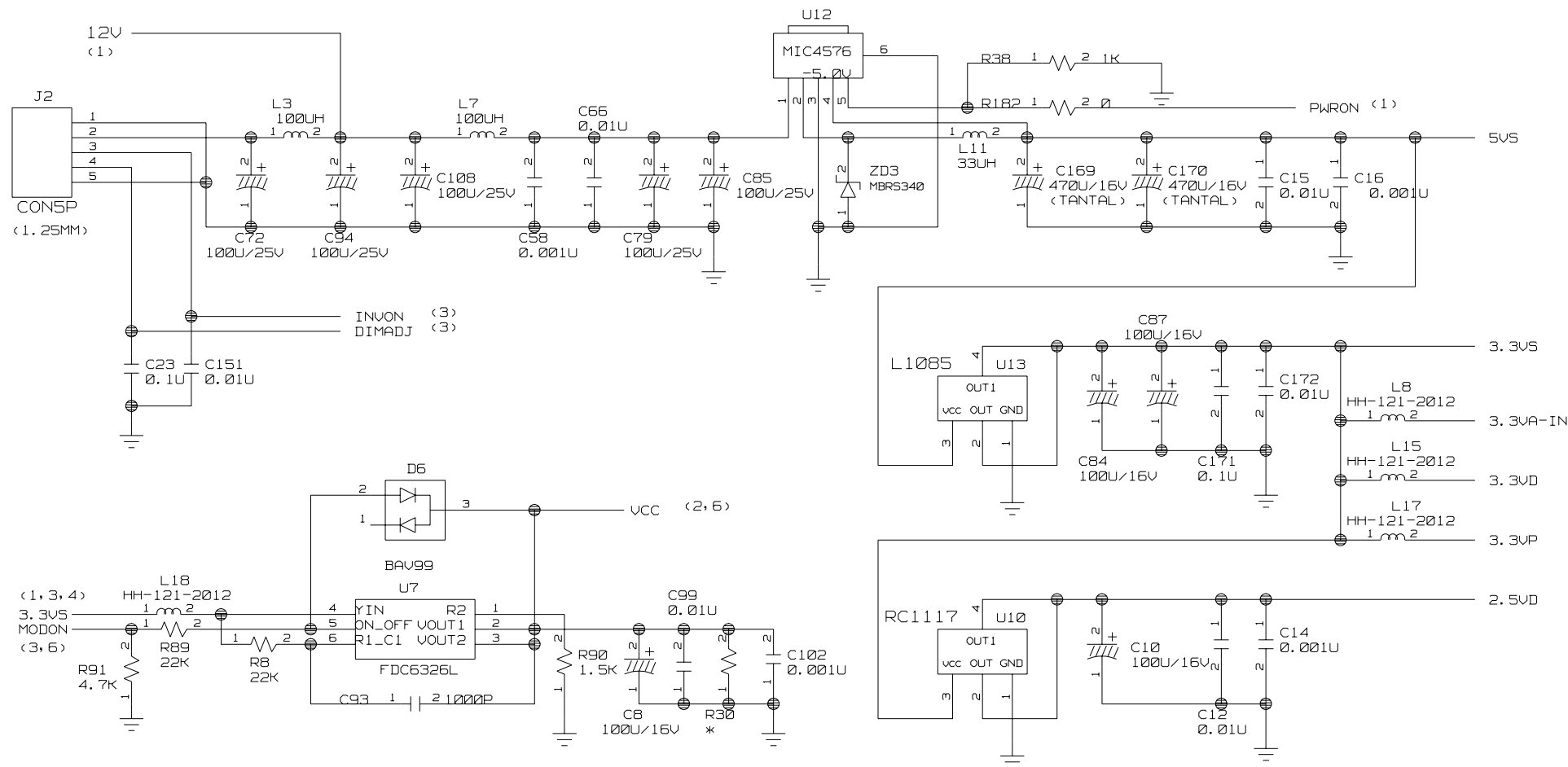
Model	BS102V(VM0020)	Title	Main
Event	BB	Block	MCU
Date	2004. 09. 15	Sheet	3 / 10

#4 VM0020(TW9903) VIDEO DECODER

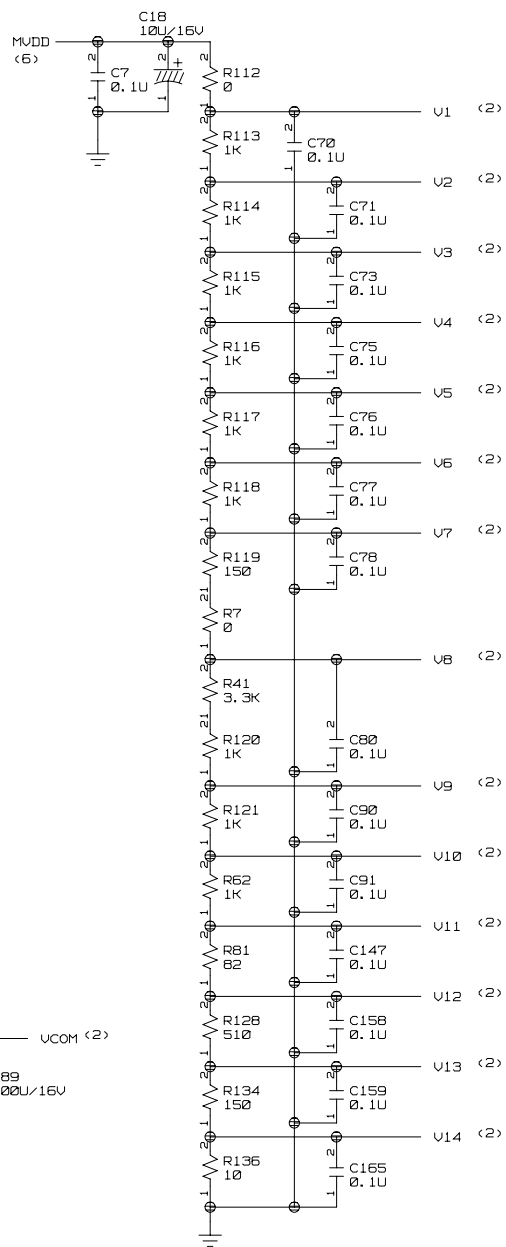


Model	BS102V(VM0020)	Title	Main
Event	BB	Block	Video
Date	2004. 09. 15	Sheet	Decoder 4/10

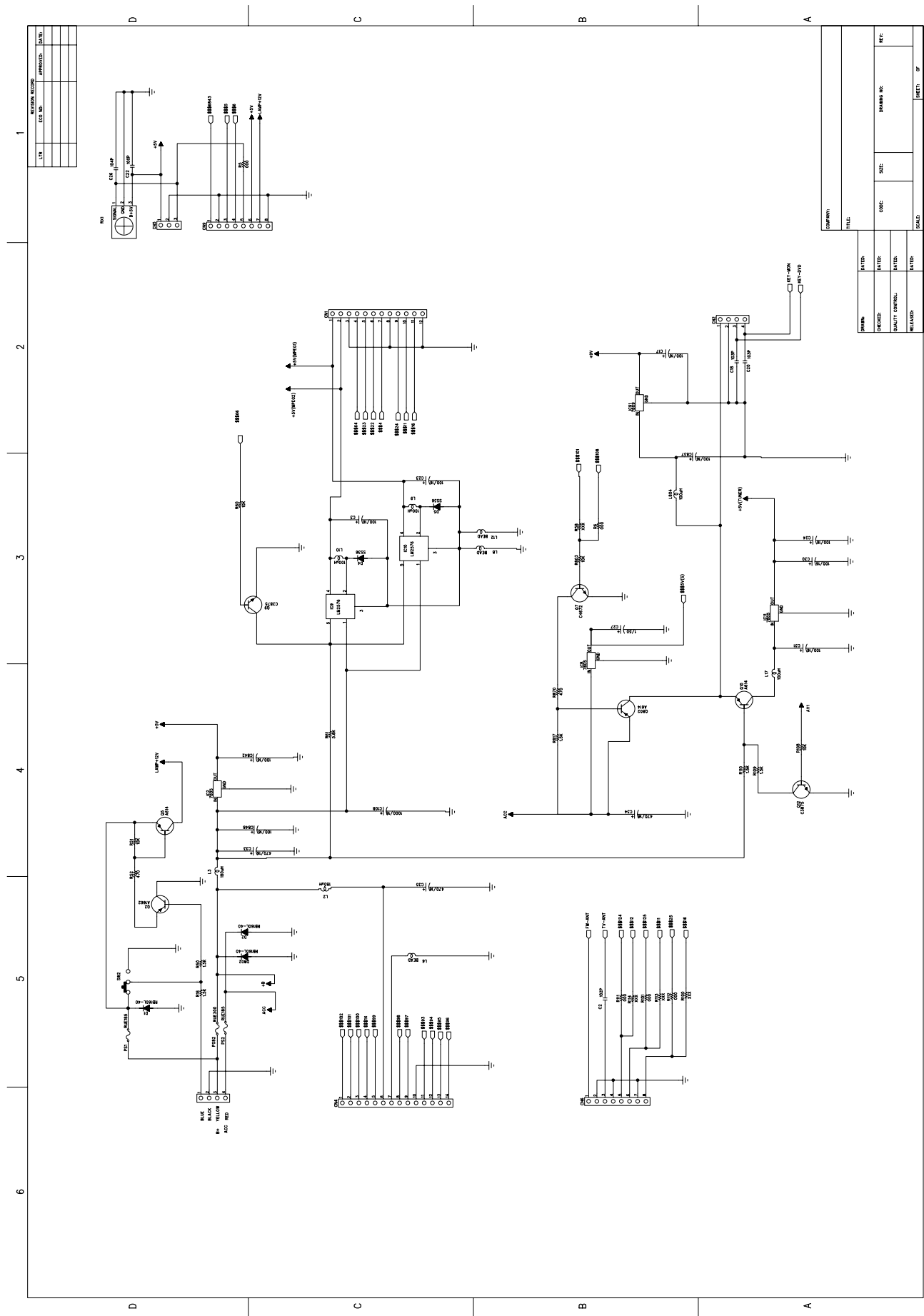
#5 VM0020 (BS102V) POWER



Model	BS102V(VM0020)	Title	Main
Event	BB	Block	Power
Date	2004. 09. 15	Sheet	5 / 10

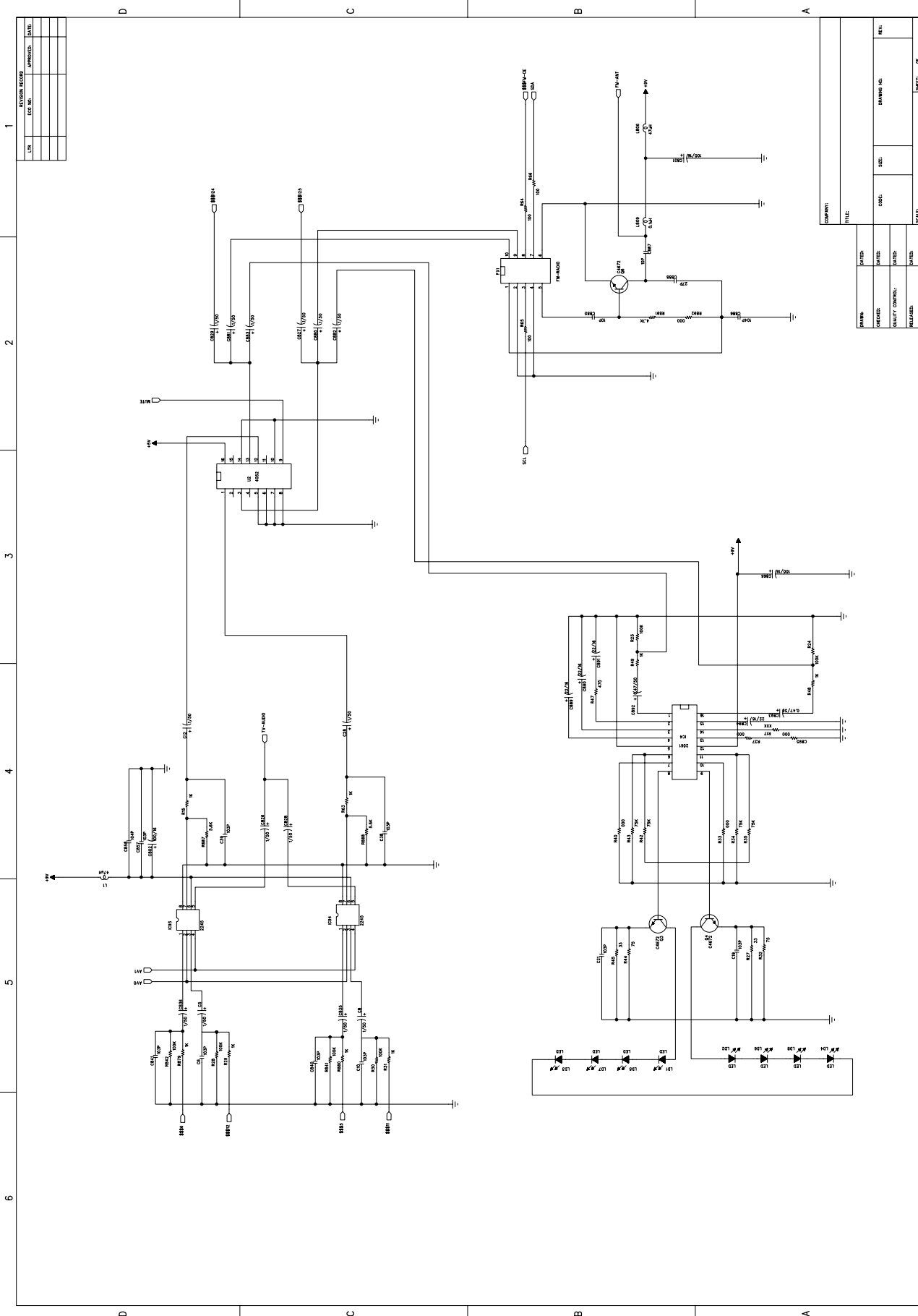


Model	BS102V(VM0020)	Title	Main
Event	BB	Block	VCOM
Date	2004. 09. 15	Sheet	6 / 10



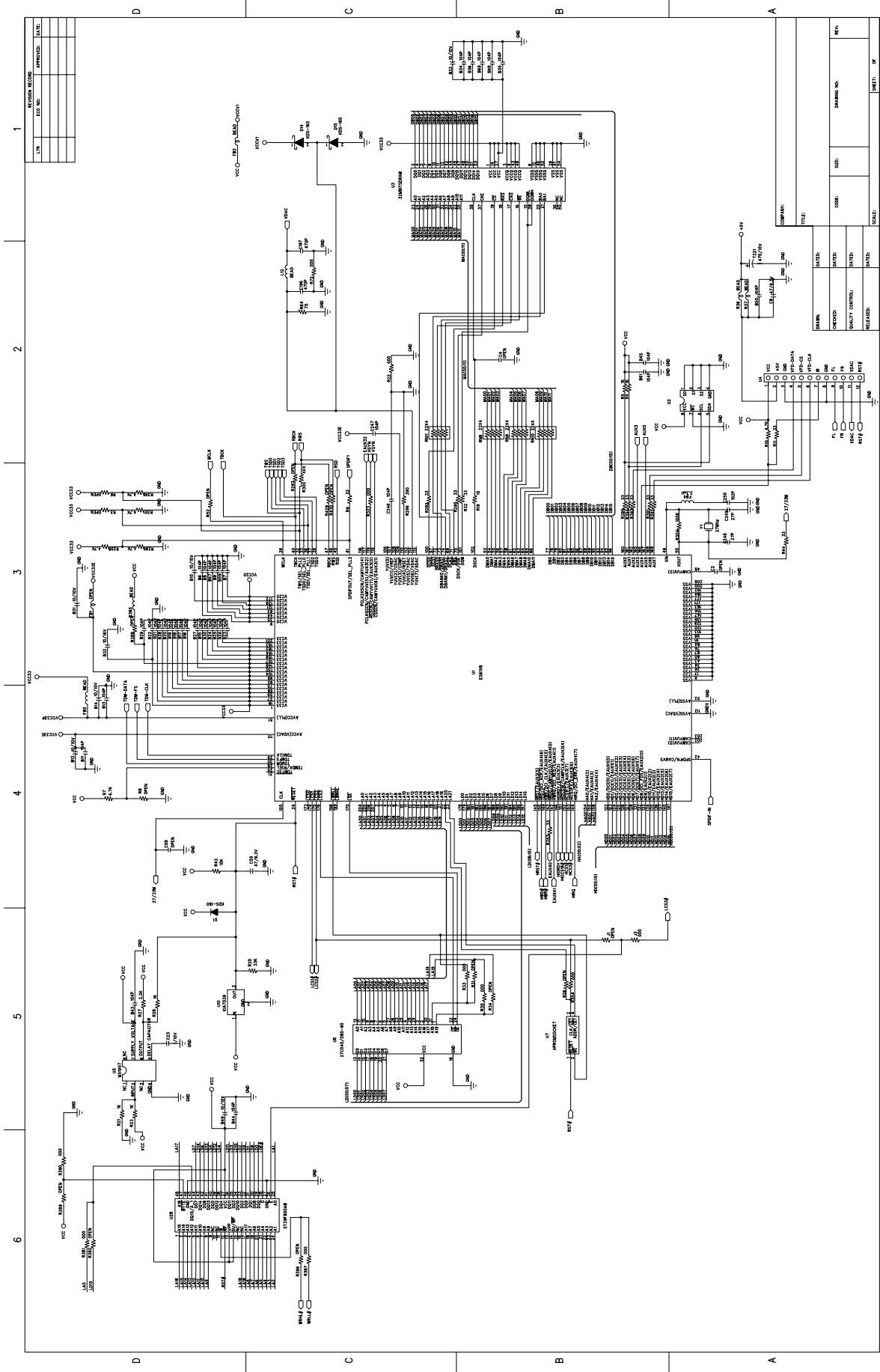
REVISION RECORD		
REV	DESCRIPTION	DATE
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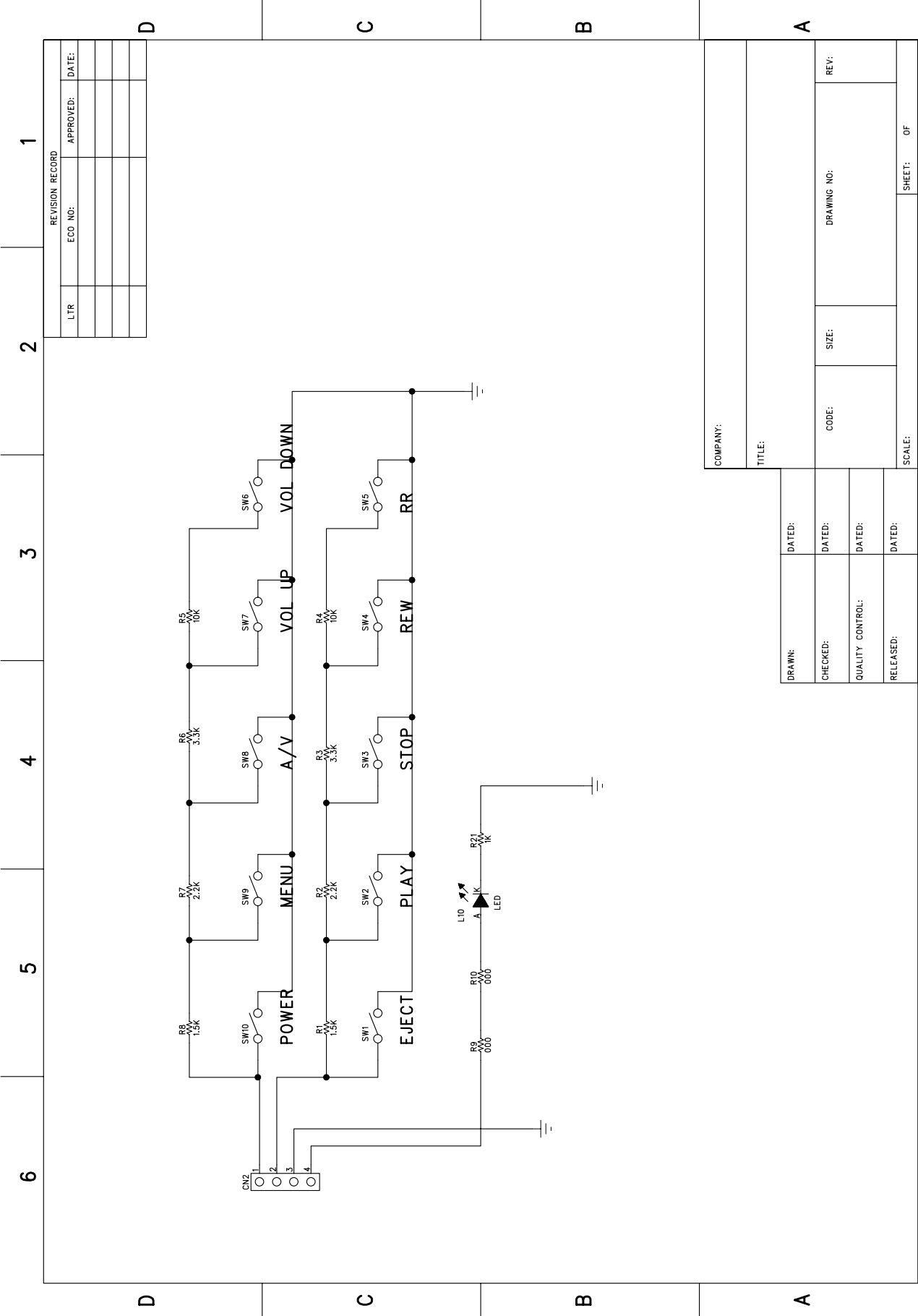
COMPANY			
TITLE			
DESIGNED	DATE	DRAWN	DATE
CHECKED	DATE	SIZE	REV
QUALITY CONTROL	DATE		
RELEASED	DATE	SCALE	SHEET 1 OF 1



REVISION RECORD		
REV.	DATE	DESCRIPTION
1		

COMPANY			
DATE	DESIGNED BY	DATE	DESIGNED BY
DATE	CHECKED BY	DATE	CHECKED BY
DATE	RELEASED BY	DATE	RELEASED BY
DATE	DATE	DATE	DATE





REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

COMPANY:			
TITLE:			
DRAWN:	DATED:	CODE:	DRAWING NO:
CHECKED:	DATED:	SIZE:	REV:
QUALITY CONTROL:	DATED:		
RELEASED:	DATED:	SCALE:	SHEET: OF