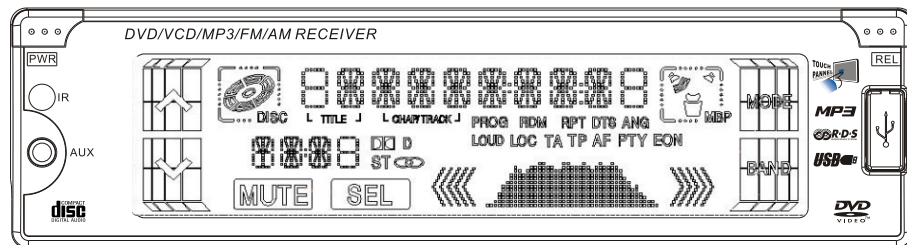


DMC8109

DVD/VCD/CD/MP3/AM/FM RECEIVER

Maintenance Manual



USB

DVD
VIDEO

disc
DIGITAL AUDIO

MP3

CORDS

CONTENTS

CONTENTS 1

BLOCK DIGRAM 2

MB SCH 3

KB SCH 4

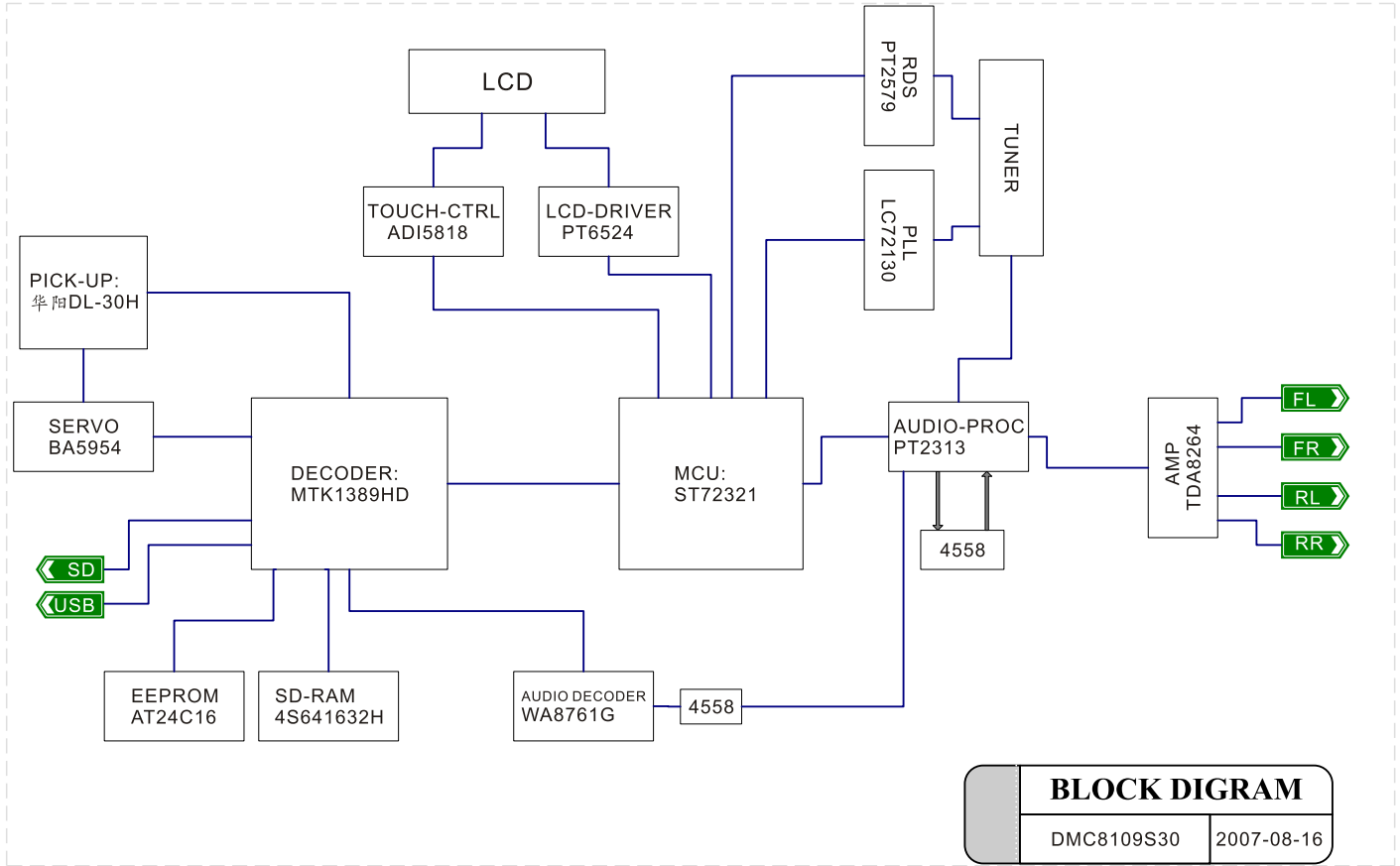
SB SCH 5

EXPLODE 6

BOM 8

SPECIFICATIONS 18

BLOCK DIGRAM

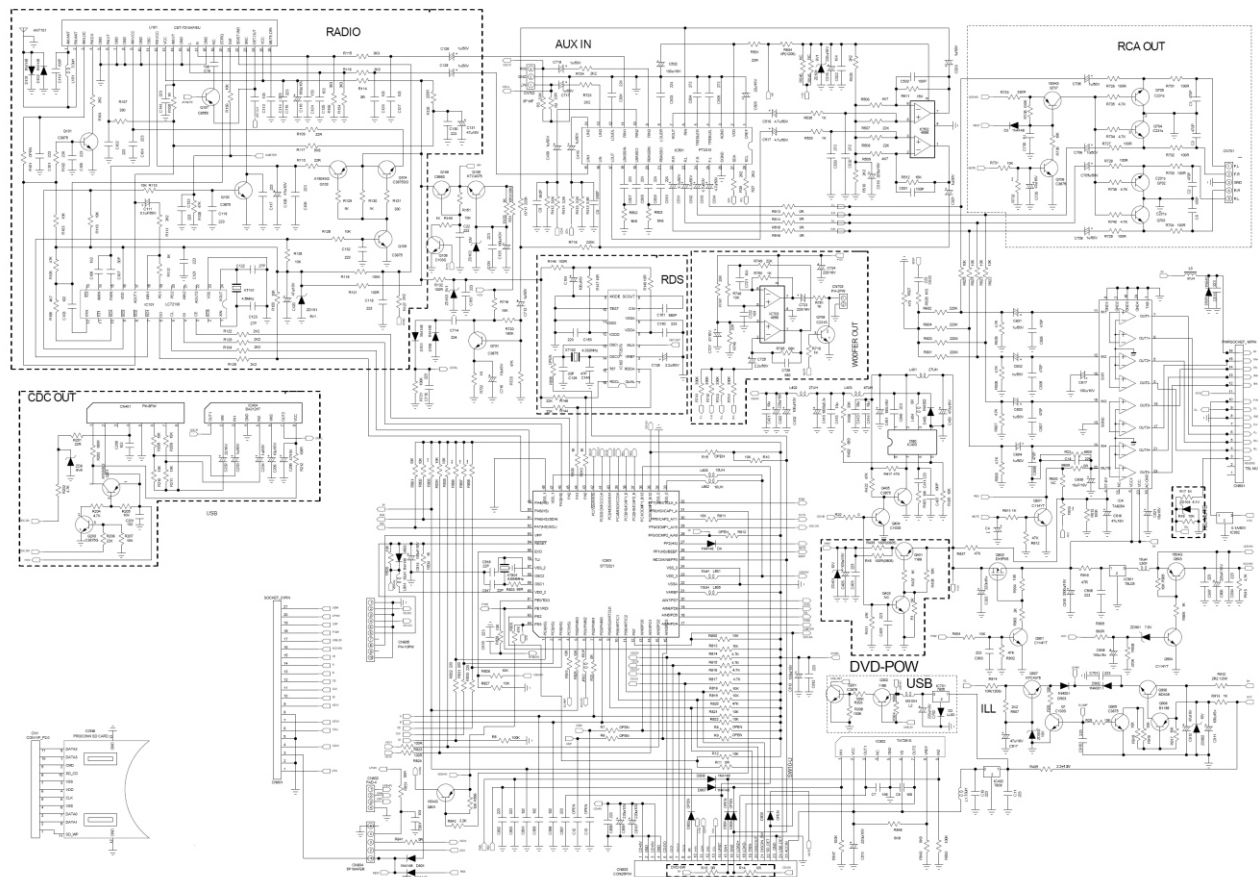


BLOCK DIGRAM

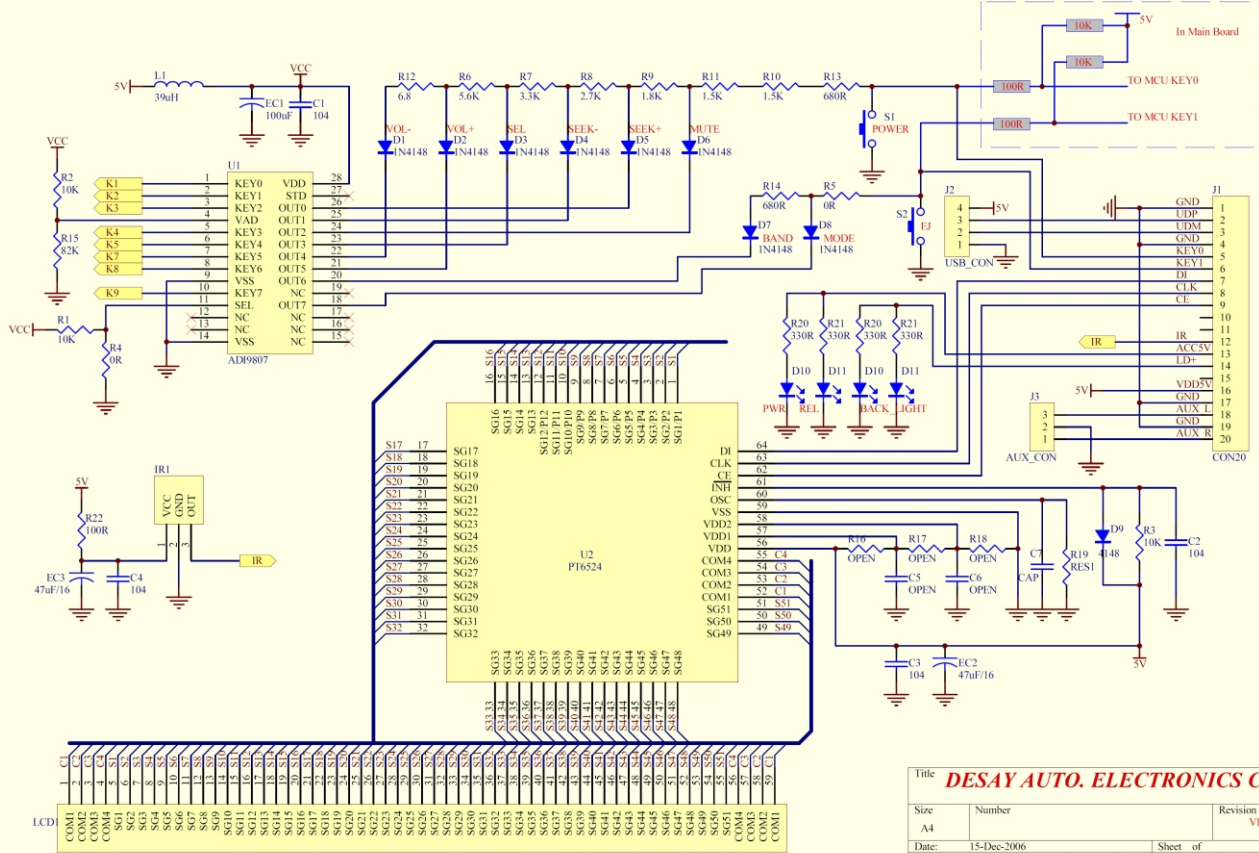
DMC8109S30

2007-08-16

MB SCH

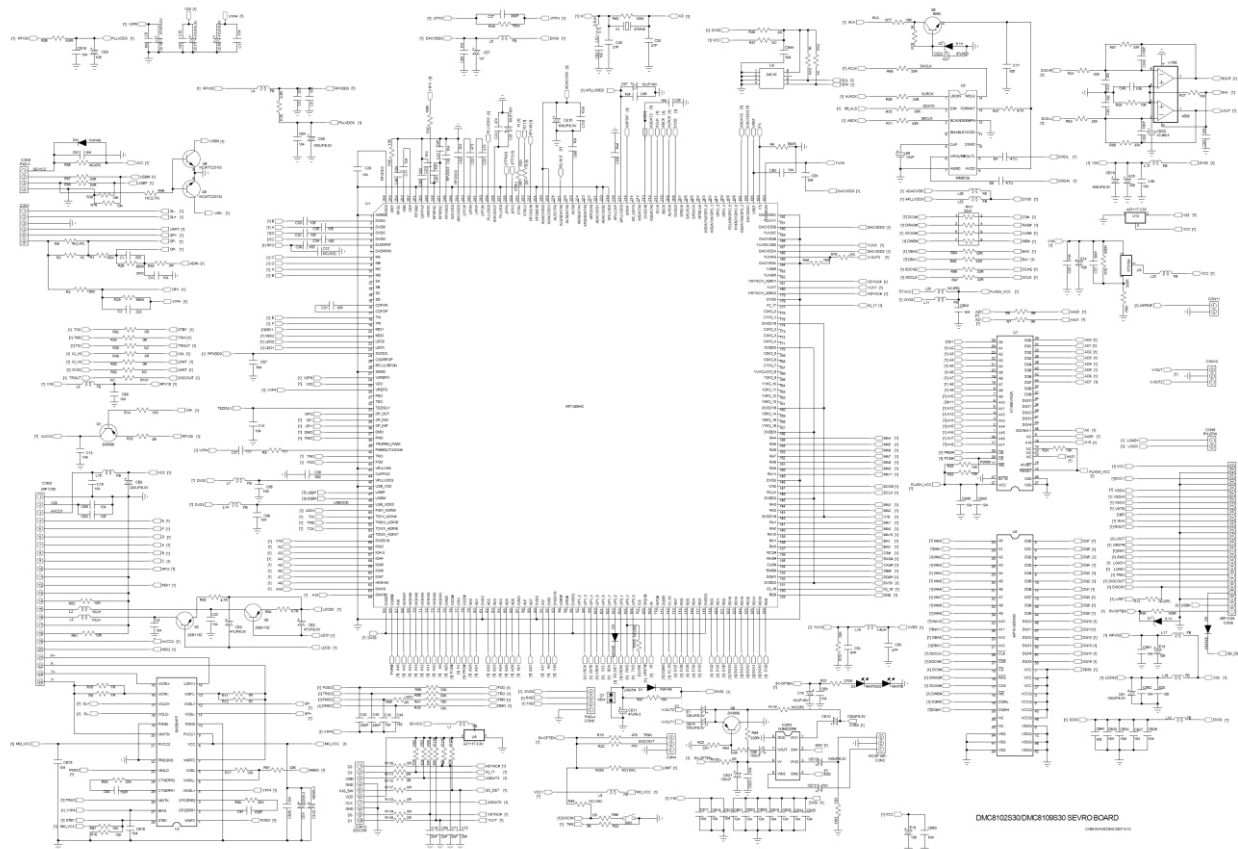


KB SCH

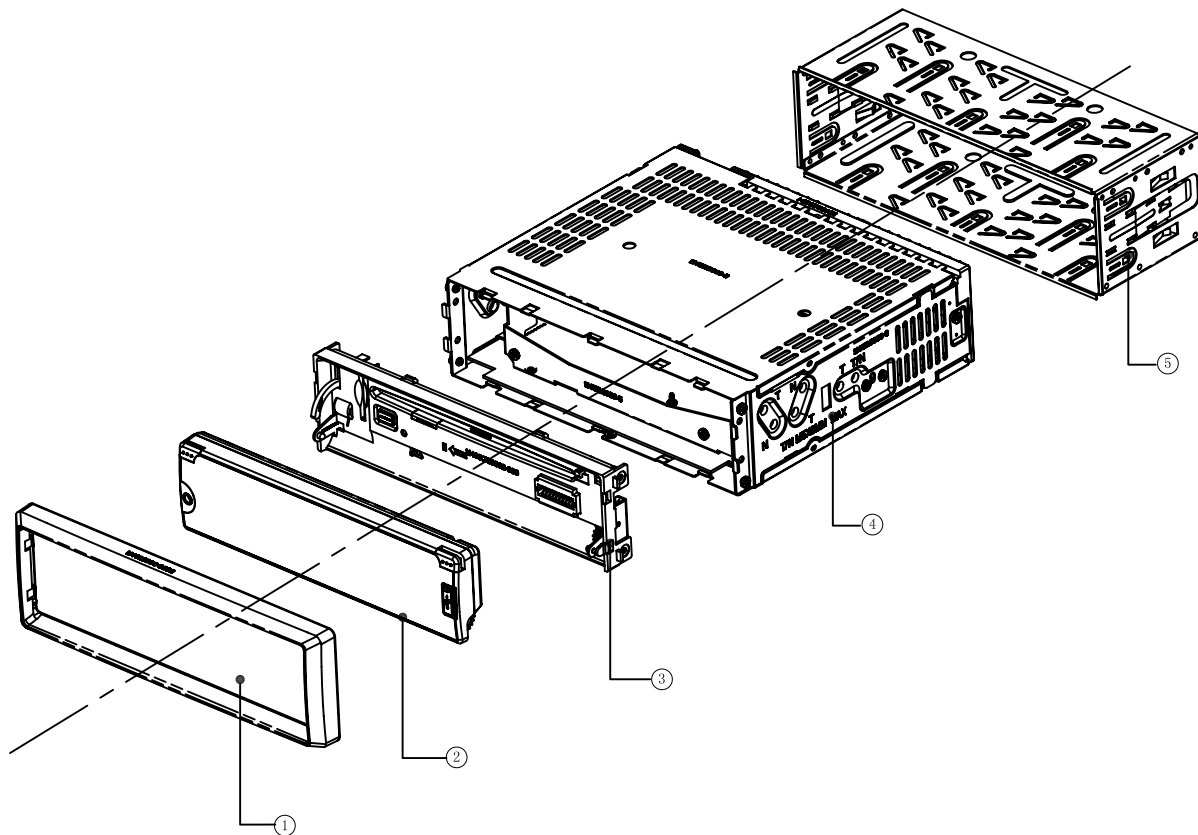


Title DESAY AUTO. ELECTRONICS C		
Size A4	Number	Revision VE
Date: 15-Dec-2006	Sheet of	
File: D:\工作区\DMC810-1\SCH_1.SCH	Drawn By: LINJUN	

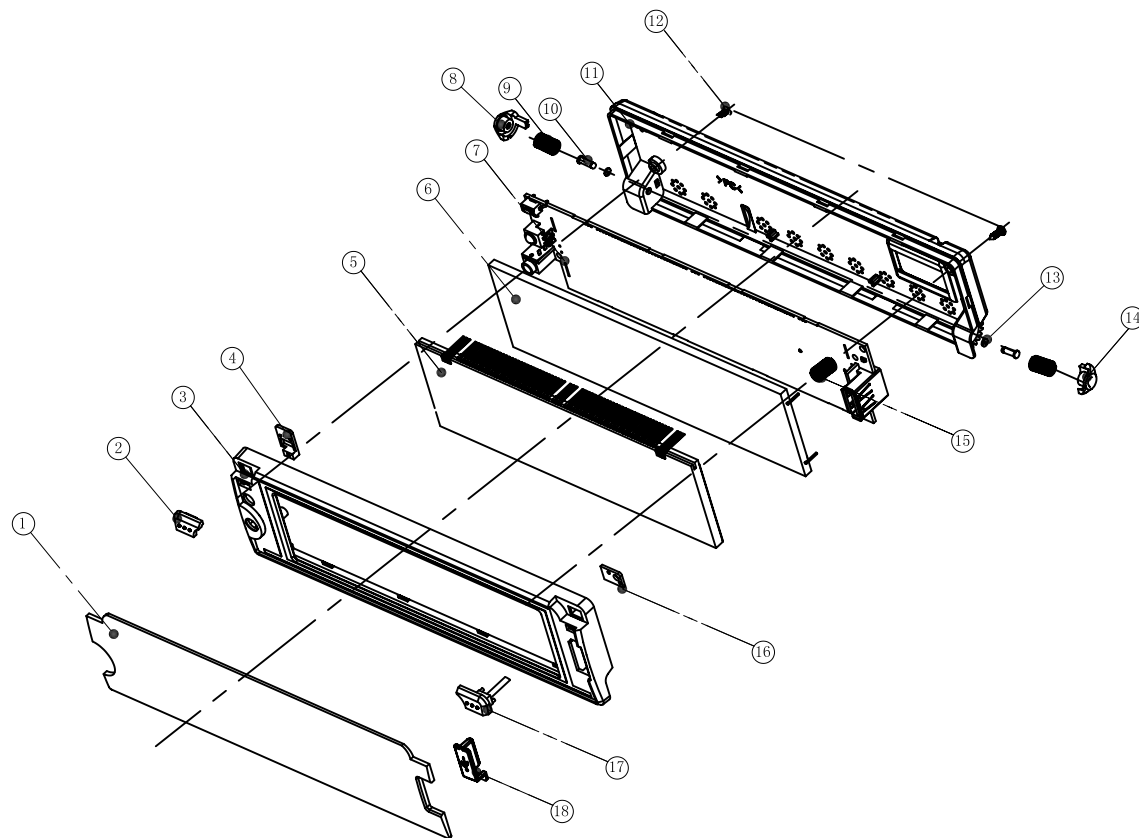
SB SCH



EXPLODE



EXPLODE



BOM

Main

高频头	TDQ-9A-002F, AM\FM, 信发	1	U101
电解电容	220uF/10V $\pm 20\%$ 6.3*5mm +105℃	7	C422, C519, C702, C809, C810, C811, C905,
电解电容	10uF/16V $\pm 20\%$ 4*5mm	4	C609, C716, C720, C621
电解电容	100uF/16V $\pm 20\%$ 6.3*5mm	10	C451, C908, C911, C154, C116, C135, C402, C406, C502, C813
电解电容	22uF/16V $\pm 20\%$ 4*7mm	1	C506
电解电容	220uF/16V $\pm 20\%$ 8*5mm	2	C515, C922
电解电容	3300uF/16V $\pm 20\%$ 12.5*21mm	1	C610
电解电容	47uF/16V $\pm 20\%$ 5*5mm	7	C917, C616, C912, C108, C120, C131, C617
电解电容	470uF/16V $\pm 20\%$ 8*12mm	1	C450
电解电容	1uF/50V $\pm 20\%$ 4*5mm 105℃	18	C111, C128, C129, C409, C410, C520, C521, C601, C 602, C603, C604, C707, C708, C713, C717, C718, C7
电解电容	2.2uF/50V $\pm 20\%$ 4*5mm 105℃	2	C814, C138
电解电容	CE 4.7uF/50V $\pm 20\%$ 4*5mm	6	C511, C512, C513, C514, C516, C517
电解电容	1000uF/6.3V $\pm 20\%$ 8*12mm +105℃	1	C416
主板PCB	DMC8102S30, 主板PCB, 尺寸174*153*1.2MM, D/S, 博敏	1	
磁珠电感	22uH $\pm 10\%$ 1206	2	L1, L901
功率电感	27uH $\pm 10\%$ 8*7*4.8mm SMT	2	L401, L402
功率电感	47uH $\pm 10\%$ 10*9*5mm SMT	1	L403
电感	CHOKE-COLL 97mH $\pm 10\%$ 外套绝胶套	1	L3
贴片电感	10uH $\pm 10\%$ RC0805	7	JR02, L801, L802, L803, L804, L805, L2
贴片电感	3.3uH $\pm 10\%$ RC0805	1	L101
贴片电容	1uF/10V +80%-20% RC0603	1	C16
贴片电容	10uF/10V +80%-20% RC0805	3	C7, C8, C421
贴片电容	10uF/16V $\pm 10\%$ 1206	3	C413, C414, C415
贴片电容	2.2uF/25V +80%-20% RC0805	1	C14
贴片电容	100pF/50V $\pm 5\%$ RC0603	4	C110, C407, C530, C531
贴片电容	1nF/50V $\pm 10\%$ RC0603	6	C103, C106, C804, C805, C806, C201

BOM

贴片电容	10nF/50V ±10% RC0603	3	C113, C126, C127
贴片电容	0.1uF/50V ±10% RC0603	1	C522
贴片电容	15000pF/50V ±10% RC0603	2	C124, C125
贴片电容	22pF/50V ±5% RC0603	2	C817, C818
贴片电容	22000pF/50V ±10% RC0603	41	C10, C11, C22, C101, C102, C104, C105, C109, C114, C115, C117, C118, C119, C121, C130, C132, C133, C134, C144, C155, C405, C408, C411, C611, C623, C701, C715, C802, C803, C807, C808, C812, C819, C846, C903, C904, C906, C907, C910, C150, C153
贴片电容	0.22uF/50V ±20% RC0603	7	C501, C503, C507, C508, C509, C510, C714
贴片电容	27pF/50V ±5% RC0603	2	C122, C123
贴片电容	2700pF/50V ±10% RC0603	4	C504, C505, C532, C533
贴片电容	30pF/50V ±5% RC0603	1	C107
贴片电容	33pF/50V ±5% RC0603	1	C139
贴片电容	47pF/50V ±5% RC0603	1	C140
贴片电容	470pF/50V ±10% RC0603	8	C2, C6, C605, C606, C607, C608, C1, C3
贴片电容	560pF/50V ±10% RC0603	2	C5, C9
贴片电容	680pF/50V ±10% RC0603	1	C151
贴片电容	1uF/50V +80%-20% RC0805	1	C730
插座	21PIN/1.0MM, DIP卧式 90度, 上接触, 双列连接器, DMC8102S30	1	CN801
电源插座	16PIN 200-16002-0 伟易特	1	CN901
排插	3P 2.0mm	1	CN701
插座	4PIN/1.25mm 单排 SMT	1	CN802
插座	10PIN/1.25mm 单排 SMT	1	CN1
插座	10PIN 双列立式 行距列距2.54mm	1	CN805
插座	25PIN 1.0MM 双排卧式 上接触式 扁平插座	1	CN803
天线插座	ANT-JACK-ISO-ATS-108-ZHENGWEI-GOLD-PLATED	1	ANT101
晶振	4.5MHz金属封装 两脚 (HC-49S) 小型封装	1	XT101
晶振	4.332MHz 两脚 (HC-49S) 小型封装	1	XT102
晶振	8.664MHz LEAD TYPE	1	XT801

BOM

IC DC/DC	MP1580 SOP-8	1	IC403
IC LCD_DR	PT2313L PTC S028	1	IC501
IC OP_AMP	KIA4558F KEC FLP-8	1	IC502
IC/PLL	LC72130 SDIP-24	1	IC101
IC	ST77AUDIOAR9E TQFP64 10*10 ST 通用	1	IC801
IC BRIDGE_DR	TA7291S Toshiba SIP9-P-2.54	1	IC802
IC DC/DC	KIA 7805API KEC TO-220AB	1	IC701
IC DC/DC	KIA78L06F KEC 0.15A SOT-89	1	IC901
IC DC/DC	L7809 ST 1.5A TO-220	1	IC402
IC AMP	TA8264AH Toshiba 41W*4CH HZIP-25	1	IC4
IC RDS	PT2579 S016WIDE RDS DECODER 09-22579300-00	1	IC102
贴片电阻	RC0603 1.5K Ω $\pm$ 5%	3	R2, R3, R626
贴片电阻	RC0603 18K Ω $\pm$ 5%	2	R511, R512
贴片电阻	RC0603 220K Ω $\pm$ 5%	6	R601, R602, R603, R604, R717, R718
贴片电阻	RC0603 2.2 Ω $\pm$ 5%	1	R109
贴片电阻	RC0603 470K Ω $\pm$ 5%	1	R908
贴片电阻	RC0603 5.6K Ω $\pm$ 5%	3	R117, R502, R503,
贴片电阻	RC0603 68 Ω $\pm$ 5%	1	R833
贴片电阻	RC0603 680 Ω $\pm$ 5%	1	R402
贴片电阻	RC0603 680K Ω $\pm$ 5%	1	R23
贴片电阻	RC0805 100 Ω $\pm$ 5%	2	R16, R409
贴片电阻	RC0805 22 Ω $\pm$ 5%	1	R501
贴片电阻	RC0805 2.2K Ω $\pm$ 5%	1	R907
贴片电阻	RC0805 47 Ω $\pm$ 5%	1	R910
贴片电阻	RC0805 680 Ω $\pm$ 5%	1	R133
贴片电阻	RC1206 0 Ω $\pm$ 5%	2	L404, R504
贴片电阻	RC1206 4.7 Ω $\pm$ 5%	1	R31
贴片电阻	RC0603 0 Ω $\pm$ 5% 卷装	17	JR03, R11, R114, R513, R514, R515, R516, R1, R19, R21-22, R33, R734, R735, R739, R740, R609
贴片电阻	RC0603 10 Ω $\pm$ 5% 卷装	2	R146, R147

BOM

贴片电阻	RC1206 10 Ω $\pm$ 5% 卷装	1	R914
贴片电阻	RC0603 100 Ω $\pm$ 5% 卷装	13	R121, R132, R703, R704, R728, R729, R823, R824, R148, R701, R702, R726, R727
贴片电阻	RC0603 1K Ω $\pm$ 5% 卷装	16	R108, R112, R129, R130, R149, R407, R533, R535, R611, R722, R809, R810, R834, , R906, R17, R20
贴片电阻	RC0805 1K Ω $\pm$ 5% 卷装	1	R913
贴片电阻	RC0603 10K Ω $\pm$ 5% 卷装	44	R12, R103, R113, R119, R120, R128, R135, R150, R151, R303, R403, R408, R420, R719, R731, R736, R800, R801, R802, R804, R805, R811~813, R818, R821, R822, R825, R827, R828, R829, R835, R866, R901, R904, R905, R911, R917, R918, R919, R308, R18, R10, R25
贴片电阻	RC0603 100K Ω $\pm$ 5% 卷装	8	R118, R613, R720, R721, R738, R847, R850, R304
贴片电阻	RC0603 2K Ω $\pm$ 5% 卷装	1	R903
贴片电阻	RC0603 22 Ω $\pm$ 5% 卷装	1	R110
贴片电阻	RC0603 220 Ω $\pm$ 5% 卷装	4	R830, R831, R832, R126
贴片电阻	RC0603 2.2K Ω $\pm$ 5% 卷装	12	R27, R39, R104, R111, R122, R123, R124, R125, R127, R505, R510, R842
贴片电阻	RC0603 22K Ω $\pm$ 5% 卷装	5	R102, R507, R508, R144, R145
贴片电阻	RC0603 330 Ω $\pm$ 5% 卷装	3	R107, R131, R733
贴片电阻	RC0603 3.3K Ω $\pm$ 5% 卷装	10	R115, R116, R154, R155, R414, R415, R723, R724, R412, R413
贴片电阻	RC0603 33K Ω $\pm$ 5% 卷装	1	R406
贴片电阻	RC0603 470 Ω $\pm$ 5% 卷装	1	R627
贴片电阻	RC0603 4.7K Ω $\pm$ 5% 卷装	12	R814, R815, R816, R817, R915, R106, R506, R509, R622~R625
贴片电阻	RC0603 47K Ω $\pm$ 5% 卷装	15	R5, R105, R138, R411, R417, R422, R612, R725, R826, R837, R902, R605-608
贴片电阻	RC0603 560 Ω $\pm$ 5% 卷装	1	R909
贴片电阻	RC0603 6.8K Ω $\pm$ 5% 卷装	2	R848, R849

BOM

碳膜电阻	1/2W 2.2Ω ±5%	2	R405, R912
贴片二极管	S3G DO-214AB MIC	1	D901
二极管	IN4001 SMD	2	D902, D903
二极管	IN4148(贴片)	12	D1, D3-4, D101, D102, D701, D706, D801, D802, D807, D808, D809
肖特基二极管	SS34 2A/40V SMB/DO-214AB两脚封装 SMT	1	D405
贴片二极管	LL60. SMALL SIGNAL SCHTTKG DIODES SOD-80封装 DMC8102S30	1	D2
稳压二极管	5.1V 1/2W SMD	3	ZD101, ZD103-104
稳压二极管	7.5V 1206封装 1/2W	1	ZD901
稳压二极管	9.1V 1/2W SMD	1	ZD501
稳压二极管	10V 1/2W SMD	4	ZD102, ZD401, ZD902, ZD903
三极管	BD435S TO-126FP MI	1	Q906
贴片三极管	KTC4375 SOT-89	2	Q907, Q106
三极管	A1504 SOT23	4	Q103, Q707, Q903, Q801
三极管	2SB1188 SC-62 ROHM	3	Q401, Q908 Q302
三极管	TR KRC103S KEC SMT	5	Q109, Q404, Q601, Q901, Q904
三极管	KRC231S SM3 KEC	4	Q702, Q703, Q704-5
三极管	KTC3875S NPN SOT-23	9	Q101, Q102, Q105, Q405, Q701, Q706, Q905, Q104, Q
三极管	SC8550 SOT-23	2	Q107, Q108
三极管	贴片 TR D15P05 1ds>15A Vds>30	1	Q902
过流保护热敏电阻	PTC LP60-030	1	IC902
扁平线	25PIN 间距1.0MM L=150MM FPP扁平线	1	
音频输出线	3PIN插头/2MM 2路输出线250MM 白/红头带冒	1	
排线	4PIN/1.25mm 1400mm 两端带插头	1	
排线	10PIN/1.25mm 110mm 两端带插头	1	

BOM

KB

背光源	DMC8109 S30 Q. B. L. 042-104-09B 白色 143.3*40MM	1	BL1
LCD	DMC8109 触摸LCD 135*40MM	1	LCD1
接收头	REMCCON SENS DS-3501KB	1	SEN1
USB插座	KSC102M专用 4PIN 卧式	1	USB1
插座	D3.5mm 4PIN CD JACK	1	JACK1
贴片电阻	RC0603 100 Ω $\pm$ 5%	1	R100
贴片电容	100pF/50V $\pm$ 5% RC0603	1	C5
贴片电容	0.1uF/50V $\pm$ 10% RC0603	6	C2, C3, C4, C6, C7, C8
贴片电容	10uF/10V +80%-20% RC0805	1	C1
二极管	IN4148(贴片)	1	D15
贴片电阻	0603, +/-5%, 0欧	10	R3~R6, R9~R11, R17, R18, C13
贴片电阻	RC0603 1.5K Ω $\pm$ 5%	1	R36
贴片电阻	RC0603 1.8K Ω $\pm$ 5%	2	R33, R39
贴片电阻	RC0603 100K Ω $\pm$ 5%	1	R15
贴片电阻	RC0603 10K Ω $\pm$ 5%	3	R14, R24, R111
贴片电感	10uH $\pm$ 10% RC0805	3	L1~L3
轻触开关	2P 250g 4.3mm定位型(卷装)	1	SW1
贴片电阻	0603, +/-5%, 1K	2	R25, R41
贴片电阻	RC0603 270K Ω $\pm$ 5%	1	R16
贴片电阻	RC0603 3.3K Ω $\pm$ 5%	2	R37, R38
贴片电阻	RC0603 4.7K Ω $\pm$ 5%	4	R7, R19, R20, R48
贴片钽电容	47uF/6.3V $\pm$ 20% A	4	EC1~EC4
IC LCD DR	PT6524 QFP64-1414-08	1	U2
插座	MC340-2122 KSC102M 20PIN/2.0 SMT 公插	1	CN1
SMT LED	RF-BNS170TS 普通亮度纯蓝 0805	2	D10, D11
KB PCB	DMC8109 KB+USB+JACK BOARD D/S 1.2MM	1	KB PCB
贴片电阻	RC0805 100 Ω $\pm$ 5%	1	R22
二极管	ESD PROTECTION DIODERS PESD5V501B	3	D21~2, D12
二极管	IN4148 方型 SMT SOD-323	8	D1~D8
贴片电阻	RC0603 1.2K Ω $\pm$ 5%	1	R34
贴片电阻	RC0603 560 Ω $\pm$ 5%	1	R35
IC	ADI5818 SSOP 24PIN TOUCH IC DMC8109S30	1	U1
USB PCB	DMC8109S30 USB 拼板 1.2MM D/S 30PCS/拼板	1	
AUX PCB	DMC8109S30 AUX 拼板 1.2MM D/S 30PCS/拼板	1	

BOM

SB			
电解电容	1000uF/6.3V ±20% 8*12mm +105℃	1	CE22
伺服板PCB	DMC8102S30, 110*110*1.2MM, 双面板, 博敏	1	
贴片电感	10uH ±10% RC0805	2	L2, L3
贴片电感	1.8uH ±10% RC0805	1	L19
磁珠电感	31 Ω ±25% RC0805 100MHZ	16	L1, L4, L5, L6, L7, L9, L10, L11, L13, L14, L15, L17, L18, L22, L23, L25
贴片钽电容	10uF/6.3V ±10% A	1	E8
贴片钽电容	47uF/6.3V ±20% A	6	CE2, CE3, CE11, CE16, CE20, CE23
贴片钽电容	100uF/6.3V ±10% B	2	CE1, E14
贴片电容	1uF/10V +80%-20% RC0603	17	CE7, C17, C31, C32, C33, C34, C35, C36, C49, CB2, CB41, CE9, E14, E15, E18, E19, E20
贴片电容	10uF/10V +80%-20% RC0805	2	C68, C70
贴片电容	4.7uF/10V +80%-20% RC0805 X5R	2	E4, E6
贴片电解电容	100uF/6.3V ±20% -40+85℃ 5*5.4mm	7	CE5, CE15, CE19, CE10, CE8, CE12, CE21
贴片电解电容	220uF/6.3V ±20% -40+85℃ 6.3*5.5mm	2	CE4, CE6
贴片电解电容	10uF/16V ±20% -40+85℃ 4*5.4mm	3	C18, C25, C67
贴片电解电容	47uF/16V ±20% -40+85℃ 4*5.4mm	2	CE17, CE18
贴片电容	0.47uF/25V +80%-20% RC0603	1	C24
贴片电容	100pF/50V ±5% RC0603	2	C55, C56
贴片电容	1nF/50V ±10% RC0603	4	C28, C53, C54, C60
贴片电容	0.1uF/50V ±10% RC0603	60	C4, C5, C6, C7, C8, C9, C10, C11, C13, C14, C15, C16, C20, C21, C26, C39, C45, C46, C48, C52, C61-63, C65, C66, C69, CB1, CB3, CB4, CB5, CB6, CB7, CB8, CB9, CB11, CB13, CB14, CB15, CB16, CB18, CB19, CB21, CB22, CB23, CB24, CB25, CB26, CB27, CB28, CB30, CB33, CB34, CB42, CB43, CB44, CB45, CB50, CB51, CB52, C620
贴片电容	150pF/50V ±5% RC0603	2	C40, C41
贴片电容	15000pF/50V ±10% RC0603	1	C44
贴片电容	180pF/50V ±10% RC0603	1	C57

BOM

贴片电容	20pF/50V ±10% RC0603	5	C19, C47, C59, C71, C72
贴片电容	2200pF/50V ±10% RC0603	3	C1, C2, C3
贴片电容	27pF/50V ±5% RC0603	2	C29, C30
贴片电容	330pF/50V ±10% RC0603	2	C42, C43
贴片电容	33nF/50V ±10% RC0603	1	C58
贴片电容	390pF/50V ±10% RC0603	1	C27
贴片电容	47pF/50V ±5% RC0603	2	C50, C51
贴片电容	47000pF/50V ±10% RC0603	2	C22, C23
贴片电容	5600pF/50V ±10% RC0603	1	C38
排插	2pin 2.0mm 卧式	2	CON10, CON2
插座	4PIN/1.25mm 单排 SMT	1	CON9
插座	10PIN/1.25mm 单排 SMT	1	CON12
插座	24P 0.5mm 卧式 上接触 SMT 带锁	1	CON3
排插	25PIN/1.0 卧式 上接触 贴式	1	CON8
晶振	27MHz SMD 金属封装 高度5mm	1	X1
行程开关	SW-111 2PIN 卧式 有定位 常开	1	SW1
IC DC/DC	AMS1117-1.8V AMS 0.8A SOT-223	1	U8
IC DC/DC	AMS1117-3.3V AMS 0.8A SOT-223	2	U5, U12
IC DECODER	MT1389HD MTK LQFP256-2828-0.4	1	U1
IC V_SWITCH	NJM2235 JRC SOP8	1	IC603
IC	AT24C16 SOP-8	1	U3
IC OP_AMP	BA4558F Rohm SOP8	1	U10B
IC FLASH	AT49BV16SA 无牌 3寸屏	1	
IC CD_SERVO	BA5954 Rohm HSOP-28	1	U2
IC	SAMSUNGK 4S641632H-TC75 133MEZ SSOP-54 64M SDRAM	1	
IC	WA8761G SOP14-3.9-1.27	1	U9
发射管	M1B-144A1MC 方型 2PIN 卧式 供应商佳盛利 红外线发射管	2	D2, D3
贴片电阻	RC0603 15KΩ ±5%	2	R40, R41
贴片电阻	RC0603 20KΩ ±5%	3	R59, R60, R61
贴片电阻	RC0603 270Ω ±5%	1	R22

BOM

贴片电阻	RC0603 5.6K Ω $\pm$ 5%	1	R94
贴片电阻	RC0603 680K Ω $\pm$ 5%	2	R28, R29
贴片电阻	RC0603 750K Ω $\pm$ 5%	1	R44
贴片电阻	RC0805 100 Ω $\pm$ 5%	1	R90
贴片电阻	RC0805 1 Ω $\pm$ 5%	5	R3, R9, R10, R11, R12
贴片电阻	RC0603 0 Ω $\pm$ 5% 卷装	22	R6, R7, R15, R30, R31, R32, R33, R36, R48, R50, R82, R85, R86, R111, R112, R113, R114, R115, R116, R117, R109, R95
贴片电阻	RC0603 10 Ω $\pm$ 5% 卷装	4	R80, R51, R52, R77
贴片电阻	RC0603 1K Ω $\pm$ 5% 卷装	3	R73, R74, R78
贴片电阻	RC0603 10K Ω $\pm$ 5% 卷装	18	R16, R17, R18, R24, R25, R26, R27, R38, R76, R81, R87, R89, R92, R93, R96, R118, R119, R62
贴片电阻	RC0603 100K Ω $\pm$ 5% 卷装	2	R42, R43
贴片电阻	RC0603 150K Ω $\pm$ 5% 卷装	2	R1, R2
贴片电阻	RC0603 1 Ω $\pm$ 5% 卷装	2	R39, R99
贴片电阻	RC0603 220 Ω $\pm$ 5% 卷装	1	R84
贴片电阻	RC0603 22K Ω $\pm$ 5% 卷装	1	R23
贴片电阻	RC0603 33 Ω $\pm$ 5% 卷装	10	R64, R65, R66, R67, R68, R69, R70, R71, R97, R98
贴片电阻	RC0603 33K Ω $\pm$ 5% 卷装	6	R21, R55, R56, R57, R58, R63
贴片电阻	RC0603 4.7K Ω $\pm$ 5% 卷装	2	R14, R47
贴片电阻	RC0603 47K Ω $\pm$ 5% 卷装	2	R19, R20
贴片电阻	RC0603 4.7 Ω $\pm$ 5% 卷装	2	R53, R54
贴片电阻	RC0603 560 Ω $\pm$ 5% 卷装	1	R4
贴片电阻	RC0603 75 Ω $\pm$ 5% 卷装	3	R72, R46, R83
二极管	IN4148(贴片)	3	D1, D5, D6
二极管	ESD PROTECTION DIODES PESD5V501B	1	D7
稳压二极管	5.1V 1/2W SMD	2	Z1-2
三极管	8050贴片	1	Q6
三极管	2SB1132 SOT-23	2	Q2, Q3
三极管	贴片三极管 2N3906 SOT-23	2	Q1, Q8
排阻	贴片33 Ω *4 (0603封装) $\pm$ 5%	1	RN1

BOM

视频输出线	DMC8102S30 视频输出线 2PIN 28# 300MM 黄端 迪庆实业	1	
视频输入线	DMC8102S30 视频输入线 2PIN 28# 300MM 黄端 迪庆实业	1	

SD

排针	12PIN/2.0mm 90° 弯角	1	J1
SD PCB	DMT0301S32 D/S 42*40*1.2MM	1	
SD CARD	SOCKET SDC009-C0-1050	1	CON2

SOC

SOCKET PCB	DMC8100 SOCKET PCB 137*22*1.2MM 双面	1	
检测开关	4PIN 10.5H DS-20 PANEL 检测开关	1	DTH
轻触开关	2PIN 3x6型 SMT 荣达电子	1	EJ
轻触开关	TACT SWITCH 1101E 6*3.5*5MM	1	RES
LED	LED CHIP 0805 橙色	2	LD925、LD926
贴片电阻	RC0603 0Ω ±5% 卷装	1	R946
贴片电阻	RC0603 1KΩ ±5% 卷装	1	R947
插座	MC340-2122 KSC102M 20PIN/2.0 MI 母插	1	CN3
扁平线	21PIN/1.0 45MM 一边裸线 一边带插头(7MM衬板)	1	

SPECIFICATION

General

Power Requirement	DC 12V (.8-16V allowable)
Load Impedance	4 Ω
Max.Power Output	40W X 4
Tone Controls	± 10 dB Bass 100Hz, Treble 10KHz
Dimensions	Approx.160 x 178 x50mm(d/w/h)
Mounting Dimensions	Approx.160x178 x50mm(d/w/h)
Weight	Approx.1.575kg

FM Section

Tuning Range	87.5-108(MHz)
IF Range	10.7 MHz
Usable Sensitivity (-30dB)	10dBuV
Signal-to-noise Ratio	60dB
Stereo Separation	30dB (1KHz)

SPECIFICATION

AM Tuner Section

Frequency Range	522-1620(KHz)
IF Range	450KHz
Usable Sensitivity (-20dB)	28dBuV

CD Player Section

VCD Signal System	PAL/NTSC/MULTI
Signal-to-noise Ratio	>60dB
Separation	55dB(1KHz)
Distortion	<0.5%

DVD Player Section

Number of channel.....	2 channels
Frequency Response	20Hz to 20KHz
Dynamic Range	98dB
Signal-to-Noise Ratio	>60dB
Wow and Flutter	Less than measurable limit