

Monitoring Camera Board BOM

Part Name	Location	Specification	package	Quantity
flake resistance	R62	10K	0603	1
	R65R66R67R68R69R70	75Ω	0805	6
	R64	390Ω（NC）	0603（NC）	1
Flake dynatron	Q17	9013	SOT—23	1
infrared diode	D16D17D18D19D20D21	850nm,120 degree, φ 5		6
4PIN linker	J5 J7	12512WS-04B	1.25MM DIP	2
Photosensitive resistance	R63	MJ4517（NC）	（NC）	1

					ARS-3000A Auto Remote Service System Unit Monitoring Camera Board						ARS-3000A-DL-04			

4.3"LCD drive Board BOM

Part Name	Location	Specification	package	Quantity
flake resistance	R109	3.3K	0603	1
	R25	10K	0603	1
	R24	220K	0603	1
	R145	330Ω	1206	1
Flake capacitance	C21	2.2uF	0603	1
	C34	10uF	1206	1
	C37 C54	100uF/25V	7343	2
	C3	0.1uF	0603	1
	C35	120pF	0603	1
Flake inductance	L2	10uH	1206	1
diode	D4	1N5822	MLL41A	1
40PIN FPC linker	CON2	05004HR-40A01	0.5MM	1
45PIN FPC linker	CON1	05003HR-45B02	0.5MM	1
6PIN linker	CON5	12505WR-06		1
IC	U30	LP38693MP-3.3	SOT-223	1
	U33	LM2733YMF	SOT23-5	1

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ARM core Board BOM

Part Name	Location	Specification	package	Quantity
flake resistance	R7 R19	1.5K	0603	2
	R3	1M	0603	1
	R5	15K	0603	1
	R2 R9 R30	22Ω	0603	3
	R52	1K	0603	1
	R55R56R58R61	18Ω	0603	4
	R54R57R59R62	56Ω	0603	4
	R23	0Ω	0603	1
	R6	100Ω	0603	1
	R15	330Ω	0603	1
	R13R14R16R17R18R22	10K	0603	6
	R1 R8 R21R25R51	NC	NC	5
resistance	RP6 RP9	10K	0603	2
	RP3 RP4 RP5	22Ω	0603	3
Flake capacitance	C5C6C7C8C9C10C11C12C13C14 C15C16C17C18C19C20C21C22C2 3C24C25C28C30C33C34C35C36C 37C38C39 C40C52C59	0.1uF	0603	33
	C60C61C62C63	0.22uF	0603	4
	C2 C3	15pF	0603	2
	C1, C4,	22pF	0603	2
	C55,C56	33pF	0603	2
	C53C54	47nF	0603	2
	C51	1nF	0603	1
	C50	680PF	0603	1
	C26 C29	100uF/16V	7343	2
Flake inductance	L1 L2 L3 L4	39nH	0603	4
	L8L9	BLM18EG221SN1	0603	2
IC	U9 U10	IS42S16320B-7TLI	TSOP54	2
	U14	K9F2G08UOA-PIB0	TSOP48	1
	U8	S29GL512P11TFI010	TSSOP56	1
	U1	SAA7113	QFP44	1
	U20	LM1117-ADJ	SOT-223	1
	U2	S3C2440A-40-YQ80	BGA272X17	1

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ARM core Board BOM

Part Name	Location	Specification	package	Quantity
crystal	X2	32.768K	SMD32K	1
	X1	16.9344M	DIP	1
	Y1	24.576M	DIP	1
electrical outlet	CON12	12PIN 2.54MM	DIP	1
linker	J1	SMW250-02	SIP2	1
	J2 J3 J4	NC	NC	3
linker	CON100	100pin1.27mm		1

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Host Board BOM

Part Name	Location	Specification	package	Quantity
flake resistance	R20,R61	1M	0603	2
	R3,R10,R12R18,R19,R21,R22,R38 R60,R80,R112,R118,R120,R130, R135,R136R185,R186,R312,R313, R315,R150,R151,R152,R153,R154 R155,R156, R33, R43	10K	0603	31
	R74,	47K	0603	1
	R119, R321	36K	0603	2
	R116, R320	51K	0603	2
	R16, R114, R122, R301	4.7K	0603	4
	R15,R17R76	2.2K	0603	3
	R1,R2,R7,R8,R47,R48R23,R73, R104,R124, R133,R190,R191	1K	0603	13
	R36, R420 R71R72	3.9K	0603	4
	R100, R101, R140, R141, R142,R143	20K	0603	6
	R34R35,R50,R51,R111, R314,	15K	0603	6
	R311	3.3K	0603	1
	RP9	10K	0603	1
	R26, R29, R31, R52, R53, R77,R78, R79	22Ω	0603	8
	R5 R6	33Ω	0603	2
	R13,R59	47Ω	0603	2
	R115	2Ω	2010	1
	R9 R75	100K	0603	2
	R58	120Ω	0603	1
	R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411	330Ω	0805	12
	R127,R131 R132 R180	330Ω	0603	4
	R117	1.5K	0603	1
	R303,Q50	0Ω	0603	2
R11 R42	NC	NC	NC	

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Host Board BOM

Part Name	Location	Specification	package	Quantity
Flake capacitance	C34,C35C36,C37,C192	4.7nF	0603	5
	C103,C104,C105,C117,C118 C128,C132,C133,C134C144 C151,C152C153,C180,C181 C182,C183C184C185	10PF	0603	19
	C100,C101,C102, C116,C135C137,C154,C155, C156,C158	33PF	0603	10
	C51 C52	30PF	0603	2
	C15,C16,C124, C125, C160, C161, C170,C171	22PF	0603	8
	C17,C18,C38,C42,C43,C49, C50,C53,C92,C95,C112, C113,C130,C131,C136C138, C172,C173,C175,C176	0.1uF	0603	20
	C3, C4, C5, C6, C7, C75,C98,C99 C40 C12	2.2uF	0603	10
	C129	1nF	0603	1
	C8,C13,C14,C19,C20,C22, C23,C30,C32,C33,C74, C157	0.22uF	0603	12
	C9C10	0.47uF	0603	2
	C142C143C145,C146,C148, C149,	10nF	0603	6
	C96C97	470pF	0603	2
	R27,R30,R32	330PF	0603	3
	C11C39C96C97	NC	NC	4
	C115,C126,C127	10uF	1206	3
	C1,C2,C25C26C45,C46,C64 C71,C190,C191.C301C303 C310, C150	10 uF/16V	3216	14
	C29, C48, C65, C69, C70, C80, C200	100 uF /25V (107E)	7343	7

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Host Board BOM

Part Name	Location	Specification	package	Quantity
Flake inductance	L3	2.2uH	0805	1
	L9	39nH	0603	1
	L5	68uH(SMD105)	SMD	1
Flake diode	D30 D31	FR157	MLL41A	2
	D15, D40	1N5822	MLL41A	2
	D22 D32	IN4007	MLL41A	2
	D60	IN5226	MLL41A	1
Flake LED	D23, D24, D25, D26, D27, D28, D29, D50, D51, D52, D53, D54, D55 D56	LED(blue)	0603	14
Flake dynatron	Q12,Q21,Q23, Q26, Q27, Q11, Q15	9013	SOT-23	7
	Q20	2SD1664	SOT-89	1
Flake MOSFET	Q18, Q19	FDN304P	SOT-23	2
voltage regulators	U12 U21 U70	LP38693MP-3.3	SOT-223	3
	U9	LM2596S-5.0	TO-263	1
	U3	MIC29302WU	TO-263	1
ESD diode	fv301,FV401	ESDA6V1W5	SOT323-5	2
	Fv201	NC	NC	1
	Z1	1SMA30AT3	SMA	1
	Z2 ,Z3	1SMA6.0AT3G	SMA	2

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Host Board BOM

Part Name	Location	Specification	package	Quantity
IC	U37	MAX706TESA	SO-8	1
	U19	LM258D	SO-8	1
	U13	PCA82C251T	SO-8	1
	U25	HWD2190MM	MSOP—8	1
	U5	SSM2301RMZ	MSOP—8	1
	U11	ICL3232IBZ	SOIC16	1
	U10	MCP2510T-I/SO	SOL-18	1
	U39U40U41 U42U43	NLAS4501DTT1G	SOT23-5	5
	U8	P89LPC922FDH	TSSOP20	1
	U7	UDA1341TS	SOT341	1
	U6	FM2010	LCC48	1
	U4	24LC02B	SO-8	1
	U16	74HC125	SO-14	1
	U15	MIC5207-1.8BM5	SOT23-5	1
	U22	MIC5207-3.3BM5	SOT23-5	1
module	GPS	REB-3571 baud rate38400	REB-3571	1
	U2	CB0613（NC）	CB0613	1
KEY	S1~S7	TD-19XA		7
100PIN linker	CON100	1.27mm electrical outlet		1
SIM 卡卡座	J1	KF-016		1
SIN300 electrical outlet	J2	1008-G60N-01R		1
SD card	CON7	676008001		1
45PIN FPC linker	CON45	05003HR-45B02		1
8PIN linker	J5	12505WR-08		1
6PIN linker	J7	12505WR-06		1
5PIN linker	CON4	12505WS-05		1
3PIN linker	CON3	12505WR-03		1

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Host Board BOM

Part Name	Location	Specification	package	Quantity
crystal (KOAN)	X4	11.0592M	DIP	1
	X2	12M	DIP	1
	X5	13M	DIP	1
photocoupler	U18 U20	TLP521-1	DIP4	2
relay	JDQ1	G6H-2(12VDC)	DIP10	1
Electrolytic capacitor	C47	1000uF/35V	RB.2/4	1
2PIN linker	M1 FAN SPKEAR SPKAMP	SMW250-02	SIP2	4
2PIN linker	MIC1 MIC2	YMAW025-02R	SIP2	2
4PIN linker	J3	12512WS-04B	1.25MM	1
7PIN linker	J6	SMW250-07	SIP7	1
Key	S9	TC-0102X-A00		1
8PIN electrical outlet	JATG1	8PIN 2.54mm electrical outlet		1
3PIN electrical outlet	J9 J13	3PIN 2.54 electrical outlet		2

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Part Name	Location	Specification	package	Quantity
flake resistance	R46	15K(1%)	0603	1
	R42, R43	33Ω(1%)	0603	2
	R41	4.7Ω(1%)	0603	1
	R45	4.7K(1%)	0603	1
	R40, R44, R47	47K(1%)	0603	3
	R39	4.7M	0603	1
	R4	1K	0603	1
	RW1	NC	NC	1
Flake capacitance	C114	0.1uF	0603	1
	C59	1uF/10V	1206	1
IC	U23	LM324	TSSOP14	1
Flake dynatron	Q15	9013	SOT-23	1
Reconcilable resistance	W2	10K	3296	1
electrical outlet	J1 J2	2.54MM 3pin		2
Alcohol sensor	T1	MQ303B		1

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