
	Doc name K401A_BOM			Page		Revision c.01	First revision creator PJPU 2017/12/21
	Bom list K401A		First revision checked 3		First revision checked 2	First revision checked 1	First revision approved
	PCBA LEFT FOR COMTAC VI	No	Rev	ECR	Changed	Checked	Approved
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Designator	Footprint	Description	Value	Manufacturer	Part Number	Comment
PCB						See K401A_INFO_FILE
ANT500	RES_0805	Antenna Bluetooth etc		Taiyo Yuden	AH212M245001-T	
ANT600	ANT33	Antenna connector	ANT33	Mikroponent		
C100	CAP_1210	Capacitor Ceramic 1210	220 μ F, \pm 20% X5R			
C101	CAP_0402	Capacitor Ceramic 0402	15 pF, \pm 5% C0G			
C102	CAP_0402	Capacitor Ceramic 0402	100 pF, \pm 5% C0G			
C103	CAP_0201	Capacitor Ceramic 0201	100 nF, \pm 10% X7R			
C104	CAP_0805	Capacitor Ceramic 0805	10 μ F, \pm 10% X5R			
C105	CAP_0805	Capacitor Ceramic 0805	10 μ F, \pm 10% X5R			
C106	CAP_0201	Capacitor Ceramic 0201	1 μ F, \pm 20% X5R			
C107	CAP_0201	Capacitor Ceramic 0201	1 μ F, \pm 20% X5R			
C108	CAP_0201	Capacitor Ceramic 0201	150 pF, \pm 5% C0G			
C109	CAP_0201	Capacitor Ceramic 0201	150 pF, \pm 5% C0G			
C110	CAP_0805	Capacitor Ceramic 0805	10 μ F, \pm 10% X5R			
C111	CAP_0805	Capacitor Ceramic 0805	10 μ F, \pm 10% X5R			
C112	CAP_0402	Capacitor Ceramic 0402	22 μ F, \pm 20% X5R			
C113	CAP_0201	Capacitor Ceramic 0201	1 μ F, \pm 20% X5R			

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C200	CAP_0402	Capacitor Ceramic 0402	10 pF, ±10% X7R			
C201	CAP_0402	Capacitor Ceramic 0402	10 pF, ±10% X7R			
C202	CAP_0201	Capacitor Ceramic 0201	100 nF, ±10% X7R			
C203	CAP_0201	Capacitor Ceramic 0201	100 nF, ±10% X7R			
C204	CAP_0201	Capacitor Ceramic 0201	100 nF, ±10% X7R			
C205	CAP_0201	Capacitor Ceramic 0201	100 nF, ±10% X7R			
C206	CAP_0201	Capacitor Ceramic 0201	100 nF, ±10% X7R			
C207	CAP_0603	Capacitor Ceramic 0603	2μ2, ±10% X5R			
C208	CAP_0201	Capacitor Ceramic 0201	100 nF, ±10% X7R			
C209	CAP_0603	Capacitor Ceramic 0603	2μ2, ±10% X5R			
C210	CAP_0201	Capacitor Ceramic 0201	1 μF, ±20% X5R			
C211	CAP_0201	Capacitor Ceramic 0201	1 μF, ±20% X5R			
C300	CAP_0201	Capacitor Ceramic 0201	1 μF, ±20% X5R			
C301	CAP_0201	Capacitor Ceramic 0201	1 μF, ±20% X5R			
C302	CAP_0402	Capacitor Ceramic 0402	22 μF, ±20% X5R			
C303	CAP_0201	Capacitor Ceramic 0201	1 μF, ±20% X5R			
C304	CAP_0201	Capacitor Ceramic 0201	1 μF, ±20% X5R			
C305	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R			
C306	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R			

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C307	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R		
C308	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R		
C309	CAP_0402	Capacitor Ceramic 0402	22 µF, ±20% X5R		
C310	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C311	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C312	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C313	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C314	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C315	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C316	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C317	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C318	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C319	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C320	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C400	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C401	CAP_0402	Capacitor Ceramic 0402	22 µF, ±20% X5R		
C402	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R		
C403	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R		
C404	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R		


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C405	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R		
C406	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C407	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C408	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C409	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C410	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C411	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C412	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C413	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C414	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C415	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C416	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C500	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C501	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C502	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C503	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R		
C600	CAP_0805	Capacitor Ceramic 0805	10 µF, ±10% X5R		
C601	CAP_0201	Capacitor Ceramic 0201	100 nF, ±10% X7R		
C602	CAP_0402	Capacitor Ceramic 0402	100 pF, ±5% C0G		

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C603	CAP_0402	Capacitor Ceramic 0402	4p7, ±10% NPO			
C604	CAP_0402	Capacitor Ceramic 0402	3 pF, ±10% NPO			
C605	CAP_0402	Capacitor Ceramic 0402	56 pF, ±10% NPO			
C606	CAP_0402	Capacitor Ceramic 0402	1 pF, ±0,25p COG			
C607	CAP_0402	Capacitor Ceramic 0402	3p3, ±10% NPO			
C608	CAP_0402	Capacitor Ceramic 0402	3p3, ±10% NPO			
C609	CAP_0402	Capacitor Ceramic 0402	100 pF, ±5% COG			
C700	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R			
C701	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R			
C702	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C703	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C704	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C705	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C706	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C800	CAP_0402	Capacitor Ceramic 0402	220 nF, ±10% X7R			
C801	CAP_0201	Capacitor Ceramic 0201	47 nF, ±10% X7R			
C802	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C803	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C804	CAP_0402	Capacitor Ceramic 0402	22 µF, ±20% X5R			

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C805	CAP_0201	Capacitor Ceramic 0201	470 pF, ±10% X7R			
C806	CAP_0402	Capacitor Ceramic 0402	4µ7, ±20% X5R			
C807	CAP_0402	Capacitor Ceramic 0402	22 µF, ±20% X5R			
C900	CAP_0201	Capacitor Ceramic 0201	220 pF, ±5% COG NPO			
C901	CAP_0201	Capacitor Ceramic 0201	220 pF, ±5% COG NPO			
C902	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R			
C903	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R			
C904	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R			
C905	CAP_0201	Capacitor Ceramic 0201	220 pF, ±5% COG NPO			
C906	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R			
C907	CAP_0201	Capacitor Ceramic 0201	220 pF, ±5% COG NPO			
C908	CAP_0201	Capacitor Ceramic 0201	220 pF, ±5% COG NPO			
C909	CAP_0201	Capacitor Ceramic 0201	10 nF, ±10% X7R			
C910	CAP_D2E_POSCAP	Capacitor POSCAP	220 µF, ±20%	Panasonic	6TPE220MAP	
C911	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R			
C912	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R			
C913	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R			
C914	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R			
C915	CAP_0201	Capacitor Ceramic 0201	10 nF, ±10% X7R			

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C916	CAP_0201	Capacitor Ceramic 0201	10 nF, ±10% X7R					
C917	CAP_0201	Capacitor Ceramic 0201	33 nF, ±10% X7R					
C918	CAP_0201	Capacitor Ceramic 0201	33 nF, ±10% X7R					
C919	CAP_0201	Capacitor Ceramic 0201	1 µF, ±20% X5R					
C920	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R					
C921	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R					
C922	CAP_0201	Capacitor Ceramic 0201	220 pF, ±5% COG NPO					
C923	CAP_0201	Capacitor Ceramic 0201	220 pF, ±5% COG NPO					
C924	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R					
C925	CAP_0201	Capacitor Ceramic 0201	1 nF, ±10% X7R					
D200	SOT23	Dual Schottky barrier diodes	Vf @ 10mA = 340mV			BAT754C		
D900	SOT23	Dual Schottky barrier diodes	Vf @ 10mA = 340mV			BAT754C		
L500	IND_0402	Inductor 0402	2µ2, ±20%	TDK Corporation		MLZ1005M2R2WT000		
L501	IND_0402	Inductor 0402	3n3, ±??%				Not Mounted	
L600	IND_0402	Inductor 0402	120 nH, ±5%	Murata		LQW15ANR12J00D		
L601	IND_0402	Inductor 0402	20 nH, ±2%	Murata		LQW15AN20NG00D		
L602	IND_0402	Inductor 0402	6n8, ±0.2%	Murata		LQW15AN6N8G00D		
L603	IND_0402	Inductor 0402	24 nH, ±2%	Murata		LQW15AN24NG00D		
L604	IND_0402	Inductor 0402	18nH, ±2%	Murata		LQW15AN18NG00D		
L605	IND_0402	Inductor 0402	24 nH, ±2%	Murata		LQW15AN24NG00D		
L606	IND_0402	Inductor 0402	24 nH, ±2%	Murata		LQW15AN24NG00D		
L700	IND_0805	Inductor 0805	2µ2, ±30%	Murata		LQM21DN2R2N00		
L900	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata		DLM11GN601SD2D		

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L901	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L902	IND_0603	Ferrite BLM18EG221SN1D	220 ohm @ 100 MHz	Murata	BLM18EG221SN1D		
L903	IND_0603	Ferrite BLM18EG221SN1D	220 ohm @ 100 MHz	Murata	BLM18EG221SN1D		
L904	IND_0603	Ferrite BLM18EG221SN1D	220 ohm @ 100 MHz	Murata	BLM18EG221SN1D		
L905	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L906	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L907	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L908	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L909	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L910	IND_0603	Ferrite BLM18EG221SN1D	220 ohm @ 100 MHz	Murata	BLM18EG221SN1D		
L911	IND_0603	Ferrite BLM18EG221SN1D	220 ohm @ 100 MHz	Murata	BLM18EG221SN1D		
L912	IND_0603	Ferrite BLM18EG221SN1D	220 ohm @ 100 MHz	Murata	BLM18EG221SN1D		
L913	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L914	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L915	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L916	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L917	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
L918	DLM11GN	Ferrite	600 ohm @ 100 MHz (Common mode)	Murata	DLM11GN601SD2D		
R100	RES_0402	Resistor 0402	220k, ±1%				
R101	RES_0201	Resistor 0201	100k, ±1%				

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R102	RES_0201	Resistor 0201	100k, ±1%			
R103	RES_0201	Resistor 0201	100k, ±1%			
R104	RES_0201	Resistor 0201	330k, ±1%			
R105	RES_0402	Resistor 0402	210k, ±1%			
R106	RES_0201	Resistor 0201	160k, ±1%			
R107	RES_0402	Resistor 0402	620k, ±1%			
R200	RES_0402	Resistor 0402	1M, ±1%			
R201	RES_0402	Resistor 0402	4k7, ±1%			
R202	RES_0402	Resistor 0402	4k7, ±1%			
R203	RES_0402	Resistor 0402	10k, ±1%			
R204	RES_0201	Resistor 0201	0R, ±1%			
R205	RES_0402	Resistor 0402	10k, ±1%			
R206	RES_0402	Resistor 0402	10k, ±1%			
R207	RES_0201	Resistor 0201	0R, ±1%			
R208	RES_0201	Resistor 0201	0R, ±1%			
R209	RES_0201	Resistor 0201	0R, ±1%			
R210	RES_0402	Resistor 0402	10R, ±1%			
R211	RES_0402	Resistor 0402	100R, ±1%			
R300	RES_0201	Resistor 0201	0R, ±1%			
R301	RES_0201	Resistor 0201	0R, ±1%			
R302	RES_0201	Resistor 0201	2k2, ±1%			
R303	RES_0201	Resistor 0201	2k2, ±1%			
R304	RES_0201	Resistor 0201	0R, ±1%			
R305	RES_0201	Resistor 0201	0R, ±1%			
R306	RES_0201	Resistor 0201	2k2, ±1%			
R307	RES_0201	Resistor 0201	2k2, ±1%			
R400	RES_0201	Resistor 0201	0R, ±1%			
R401	RES_0201	Resistor 0201	0R, ±1%			
R402	RES_0201	Resistor 0201	2k2, ±1%			
R403	RES_0201	Resistor 0201	0R, ±1%			
R404	RES_0201	Resistor 0201	2k2, ±1%			
R405	RES_0201	Resistor 0201	2k2, ±1%			
R500	RES_0402	Resistor 0402	4k7, ±1%			

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R502	RES_0402	Resistor 0402	10k, ±1%			
R600	RES_0402	Resistor 0402	10k, ±1%			
R700	RES_0402	Resistor 0402	NM / 1k, ±1%			Not Mounted
R701	RES_0201	Resistor 0201	33k, ±1%			
R702	RES_0201	Resistor 0201	33k, ±1%			
R703	RES_0402	Resistor 0402	220R, ±1%			
R800	RES_0201	Resistor 0201	30k, ±1%			
R801	RES_0201	Resistor 0201	68k, ±1%			
R802	RES_0402	Resistor 0402	2k7, ±1%			
R803	RES_0201	Resistor 0201	1k, ±1%			
R804	RES_0402	Resistor 0402	10k, ±1%			
R900	RESC3216X12L	PTC Resistor 1206	750mA, NA	Belfuse	OZCJ0075FF2E	
R901	RES_0402	Resistor 0402	0R, ±1%			
R902	RES_0201	Resistor 0201	1k, ±1%			
R903	RES_0201	Resistor 0201	0R, ±1%			
R904	RES_0201	Resistor 0201	0R, ±1%			
R905	RES_0201	Resistor 0201	1k, ±1%			
R906	RES_0201	Resistor 0201	1k, ±1%			
R907	RES_0201	Resistor 0201	1k, ±1%			
R908	RES_0201	Resistor 0201	1k, ±1%			
R909	RES_0201	Resistor 0201	220R, ±1%			
R910	RES_0201	Resistor 0201	220R, ±1%			
R911	RES_0201	Resistor 0201	100k, ±1%			
R912	RES_0201	Resistor 0201	2k2, ±1%			
R913	RES_0201	Resistor 0201	2k2, ±1%			
R914	RES_0402	Resistor 0402	NM, ±1%			Not Mounted
R915	RESC1607X08L	PTC Resistor 0603	100mA, NA	Belfuse	OZCM0010FF2G	
R916	RESC1607X08L	PTC Resistor 0603	100mA, NA	Belfuse	OZCM0010FF2G	
R917	RESC1607X08L	PTC Resistor 0603	100mA, NA	Belfuse	OZCM0010FF2G	
R918	RESC1607X08L	PTC Resistor 0603	100mA, NA	Belfuse	OZCM0010FF2G	
R919	RESC1607X08L	PTC Resistor 0603	100mA, NA	Belfuse	OZCM0010FF2G	
T100	SOT23	P-channel MOSFET	P-Channel MOSFET	NXP	PMV48XP	
T500	SOT23	P-channel MOSFET	P-Channel MOSFET	NXP	PMV48XP	

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T700	SOT23	General Purpose NPN transistor			BC847B	
T800	SOT23	General Purpose NPN transistor			BC847B	
T801	SOT23	P-channel MOSFET	P-Channel MOSFET	NXP	PMV48XP	
TR900	TAETRO2	TAETRO2	?	ETAL	P3191	
U100	USP-10B03	400mA Step down dc/dc		Torex	XCL209F083DR	
U101	USP-10B03	400mA Step down dc/dc		Torex	XCL209F083DR	
U102	TSOP95P280X110-5L	LDO w On/Off switch	1.9V	Texas Instruments	TLV70019DDC	
U103	TSOP95P280X110-5L	LDO w On/Off switch	1.9V	Texas Instruments	TLV70019DDC	
U200	BGA201C65P15X15_1000X1000X60	MCU STM32H743IIK6		STMicroelectronics	STM32H743IIK6	
U201	PSON127P600X80_HS-9N	Serial flash	32MBit	Gigadevice	GD25LQ32CWIG	
U300	BGAS34C25P17X4_454X166X55	DA7212 CODEC		Dialog	DA7212-01UM2	
U400	BGAS34C25P17X4_454X166X55	DA7212 CODEC		Dialog	DA7212-01UM2	
U500	WLCSP34	Bluetooth LE DA14580-01UNA		Dialog	DA14580-01UNA	
U600	QFN50P400X400X90_HS-21L	RF Transceiver SI4468		Silabs	Si4468-A2A-IM	
X200	JXS53 5.0x3.2mm	Crystal JXS53	12.288 MHz, 10 PPM	Jauch	Q12.288-JXS53-12-10/10-LF	
X500	CRYSTAL_CX2016DB	Crystal unit CX2016DB	16 MHz, 25 PPM	Kyocera	CX2016DB16000D0WZRC1	
X600	CRYSTAL_FA-128	Crystal 30.0000MHZ 10PF	30 MHz, 10 PPM	CTS-Frequency Controls	402F30011CAR	
Z600	RES_0402	Resistor 0402	NM			Not Mounted