

MT-G3R-X82N-V3.0

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SMT BOM					
Sub item code	Name of commodity	Specifications	Company	ption	Position number
01.C1.1009J72B2	Chip high frequency capacitance	CAP MLCC 10pF NPO $\pm 5\%$ 50V 0402 (GRM1555C1H100JA01D) (muRata)	PCS	10	C14, C18, C22, C28, C85, C31, C48, C68, C84, C97
01.C1.1011J72C0	Chip ceramic capacitor	CAP MLCC 100pF NPO $\pm 5\%$ 50V 0402	PCS	1	C6
01.C1.1023K72C0	Chip ceramic capacitor	CAP MLCC 1nF X7R $\pm 10\%$ 50V 0402	PCS	3	C42, C44, C71
01.C1.1023KK5C0	Chip ceramic capacitor	CAP MLCC 1nF X7R $\pm 10\%$ 2KV 1206	PCS	2	C194、C162
01.C1.1033K72C0	Chip ceramic capacito	CAP MLCC 10nF X7R $\pm 10\%$ 50V 0402	PCS	3	C16, C112, C127
01.C1.1042K42C0	Chip ceramic capacitor	CAP MLCC 0.1uF X5R $\pm 10\%$ 16V 0402	PCS	44	C1, C12, C30, C32, C36, C37, C38, C39, C40, C43, C46, C53, C54, C55, C56, C57, C59, C60, C61, C62, C63, C67, C69, C70, C72, C73, C74, C75, C76, C79, C96, C98, C99, C100, C116, C234, C109, C111, C114, C124, C125, C117, C118, C119
01.C1.1052K32C0	Chip ceramic capacitor	CAP MLCC 1uF X5R $\pm 10\%$ 10V 0402	PCS	6	C3, C23, C26, C33, C4, C130
01.C1.1062K33C0	Chip ceramic capacitor	CAP MLCC 10uF X5R $\pm 10\%$ 10V 0603	PCS	5	C45, C52, C129, C108, C123
01.C1.1501J72C0	Chip ceramic capacitor	CAP MLCC 15pF NPO $\pm 5\%$ 50V 0402	PCS	2	C78, C91
01.C1.1509J72B2	Chip ceramic capacitor	CAP MLCC 15pF NPO $\pm 5\%$ 50V 0402 (GRM1555C1H150JA01D) (muRata)	PCS	2	C7, C10
01.C1.1R29B72B2	Chip high frequency capacitance	CAP MLCC 1.2pF NPO $\pm 0.1\text{pF}$ 50V 0402 (GRM1555C1H1R2BA01D) (muRata)	PCS	6	C8, C11, L6, L7, L8, L9

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01.C1.1R59C72B2	Chip high frequency capacitance	CAP MLCC 1.5pF NPO $\pm 0.25\text{pF}$ 50V 0402 (GRM1555C1H1R5CA01D) (muRata)	PCS	3	C5, C13, C9
01.C1.2262K45C0	Chip CAP	CAP MLCC 22uF X5R $\pm 10\%$ 16V 1206	PCS	2	C113, C115
01.C1.2262M24C0	Chip CAP	CAP MLCC 22uF X5R $\pm 20\%$ 6.3V 0805	PCS	3	C49, C110, C126
01.C1.3301J72C0	Chip CAP	CAP MLCC 33pF NPO $\pm 5\%$ 50V 0402	PCS	1	C27
01.C1.4711J72C0	Chip CAP	CAP MLCC 470pF NPO $\pm 5\%$ 50V 0402	PCS	1	C161
01.C1.4752K33C0	Chip CAP	CAP MLCC 4.7uF X5R $\pm 10\%$ 10V 0603	PCS	7	C15, C29, C35, C47, C423, C2, C128
01.C1.4752K34C0	Chip CAP	CAP MLCC 4.7uF X5R $\pm 10\%$ 10V 0805	PCS	1	C77
01.C1.5R09C72B2	Chip high frequency capacitance	CAP MLCC 5.0pF NPO $\pm 0.25\text{pF}$ 50V 0402 (GRM1555C1H5R0CA01D) (muRata)	PCS	1	R6
02.R1.0000J22C0	Chip RES	RES 0Ω $\pm 5\%$ 1/16W SMD 0402	PCS	15	R9, R11, R23, R69, R87, R94, R95, R41, R46, R47, R78, R100, R102, R8, R93
02.R1.0101F22C0	Chip RES	RES 100Ω $\pm 1\%$ 1/16W SMD 0402	PCS	1	R2
02.R1.0102J22C0	Chip RES	RES $1K\Omega$ $\pm 5\%$ 1/16W SMD 0402	PCS	1	R10
02.R1.0103J22C0	Chip RES	RES $10K\Omega$ $\pm 5\%$ 1/16W SMD 0402	PCS	5	SR1, R21, R40, R58, R66
02.R1.0104F22C0	Chip RES	RES $100K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	1	R60
02.R1.0121F22C0	Chip RES	RES 120Ω $\pm 1\%$ 1/16W SMD 0402	PCS	1	R3
02.R1.0154F22C0	Chip RES	RES $150K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	2	R67, R59
02.R1.0203J22C0	Chip RES	RES $20K\Omega$ $\pm 5\%$ 1/16W SMD 0402	PCS	1	R188
02.R1.0220F22C0	Chip RES	RES 22Ω $\pm 1\%$ 1/16W SMD 0402	PCS	2	R7, R189
02.R1.0243F22C0	Chip RES	RES $24K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	1	R1
02.R1.0331J22C0	Chip RES	RES 330Ω $\pm 5\%$ 1/16W SMD 0402	PCS	6	R72, R79, R84, R191, R194, R196
02.R1.0333F22C0	Chip RES	RES $33K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	1	R71
02.R1.0472J22C0	Chip RES	RES $4.7K\Omega$ $\pm 5\%$ 1/16W SMD 0402	PCS	13	R20, R30, R55, R63, R192, R25, R27, R29, R32, R34, R36, R37, R39
02.R1.0750F33C0	Chip RES	RES 75Ω $\pm 1\%$ 1/10W SMD 0603	PCS	1	R250
02.R1.0753F22C0	Chip RES	RES $75K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	2	R90, R92
02.R1.0822F22C0	Chip RES	RES $8.2K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	1	R12
02.R1.4993F22C0	Chip RES	RES $49.9K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	2	R89, R91
02.R1.6192F22C0	Chip RES	RES $6.19K\Omega$ $\pm 1\%$ 1/16W SMD 0402	PCS	1	R15
03.L1.1011N03C0	SMD beads CBW	CHIP Ferrite Bead CBG 100Ω $\pm 25\%$ 200mA 0603	PCS	1	R183
03.L2.1011N02C0	SMD beads CBW	CHIP Ferrite Bead CBW 100Ω $\pm 25\%$ 450mA 0402	PCS	7	R18, R19, R49, R48, R85, R97, R98
03.L2.1011N04C0	SMD beads CBW	CHIP Ferrite Bead CBW 100Ω $\pm 25\%$ 2A 0805	PCS	7	R17, R57, R65, R68, L13, R53, L11

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03.L2.6011N04C0	SMD beads CBW	CHIP Ferrite Bead CBW 600 Ω $\pm 25\%$ 1.5A 0805	PCS	1	R88
03.L8.1R54S02BJ	High frequency inductanceCHI	CHIP Hifreq Inductor 1.5nH ± 0.3 nH 400mA 0402 (CLH1005T-1N5S-S) Chilisin"qi li xing"	PCS	2	L2, L5
03.L8.2R24S02BJ	High frequency inductanceCHI	CHIP Hifreq Inductor 2.2nH ± 0.3 nH 400mA 0402 (CLH1005T-2N2S-S) Chilisin"qi li xing"	PCS	2	C19, C24
03.L82R24S02BA		CHIP Hifreq Inductor 2.2nH ± 0.3 nH 400mA 0402			
03.L8.2R74S02BJ	High frequency inductanceCHI	CHIP Hifreq Inductor 2.7nH ± 0.3 nH 400mA 0402 (CLH1005T-2N7S-S) Chilisin "qi li xing"	PCS	2	L3, L4
03.L8.3R94S02BJ	High frequency inductanceCHI	CHIP Hifreq Inductor 3.9nH ± 0.3 nH 400mA 0402 (CLH1005T-3N9S-S) Chilisin "qi li xing"	PCS	2	L1, L10
03.L83R94S02BA		CHIP Hifreq Inductor 3.9nH ± 0.3 nH 400mA 0402			
03.L9.4R72M6LBH	The power of laminated inductancePI	POWER IND CPI2520NHL4R7M 4.7uH $\pm 20\%$ 1A 2520 samwha"san he"	PCS	2	L15, L16
03.L94R72M6LBM		POWER IND WLPQH252010F4R7ME 4.7uH $\pm 20\%$ 1A 2520 wiwintech			
04.D1.0603ZB0C0	LED LAMP	LED Ultra Bright BLUE SMD 0603	PCS	1	D14
04.D1.08050D0C0	LED LAMP	LED (R/G) Under the Green on Red Left and right are negative Red and green SMD 0805	PCS	1	D15
05.T1.11889C5B6	Triode	TRANSISTOR PNP 2SB1188T100R 32V 2A SOT-89-3L JIANGSU	PCS	1	U3
		TRANSISTOR PNP 2SB1188 32V 2A SC-62 KEXIN			
06.X1.2000245C0	Crystal	XTAL 20MHZ 10ppm 15pF 3.2*2.5mm SMD "jing bao"	PCS	1	X2
06.X1.2000245B7		XTAL 20MHZ 10ppm 15pF 3.2*2.5mm SMD TKD"qing jing"			
07.T1.16A0115BC	Network filter	TRANSFORMER 10/100BASE BT16A09 SMD 16PIN	PCS	1	U22
		"ming tai"铭泰			
		"jin wei da"经纬达			
		"luo wei"诺威			
08.A3.122560TBL	IC	IC SDRAM M12L2561616A-6TG 256Mbit 166MHz TSOP-54P 400mil ESMT	PCS	1	U5
08.A3.2532F0SAA	IC	IC FLASH SPI W25Q32FVSSIG 32Mbit 104MHz SOIC-8 208mil WINBOND华邦	PCS	1	U4
		KH25L3206EM2I-12G			
08.A4.1722PMSCB	IC	IC DC/DC up1722PMA5-00 1.5M 1.3A SOT23-5L uPI	PCS	2	U9, U11
		IC DC/DC ZTP7106T 1.5MHz Single Output 1A SOT23-5 ZILLTEK			
08.A6.7620F0DA2	IC	IC WLAN AP/GAGWAY CNTRLR MT7620N DR-QFN148 Ralink	PCS	1	U1
08.A9.7809S0SCZ	IC	IC RST VOLT/DET PT7M7809STEX 2.93V Delay 140ms SOT23-3 PT	PCS	1	U24
10.CE.B1C0021B1	RJ45	CONN RJ45 8P8C 1*1 5J-S-SMT-8C SMD R/A Fully Shielded w/o EMI Tab GLG	PCS	1	P2
		润韬"run tao"			
13.P4.G3R82N423	PCB	MT-G3R-X82N-V3.0 L4 FR4 52*55.5*1.0mm(Single plate size) Gold technology surface sink Substrate disable KB, "yong long", Eiso	PCS	1	

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		中京"zhongjing"			
		景旺"jin wang"			
		卓穗"zhou sui"			
		宝悦嘉"bao yue jia"			
DIP BOM					
Sub item code	Name of commodity	Specifications	Company	Consumption	Position number
09.C1.01025C1C0	Pin	Pin Header 2.54mm 1*2P H=17mm Black	PCS	1	B5
10.C4.5640131B1	USB base	CONN USB A Type Receptacle R/A Single Deck(Thru-Hole) (USB-A-M1-4P GLG)	PCS	1	P1
11.K1.2303H1BB6	Tact switch	SWITCH TACT TC-2303 6mm L=7.85mm WHITE R/A DIP	PCS	1	S2
Assembly BOM					
Sub item code	Name of commodity	Specifications	Company	Consumption	Position number
12.N3.24000J710	WIFI Antenna	2.4GHzBuilt-in Antenna(FPC 38*17mm), Gray 1.13Line, L=67mm, Stripping backend2-2-1(mm)	PCS	1	
12.N3.24000G710		2.4GHzBuilt-in Antenna(FPC 38*17mm), Gray 1.13Line, L=50mm(Length does not contain transposon), With the back-endI-PEX座			
12.N3.24000K710	WIFI Antenna	2.4GHzBuilt-in Antenna(FPC 22*17mm), Gray 1.13Line, L=38mm, Stripping backend2-2-1(mm)	PCS	1	
12.N3.24000H710		2.4GHzBuilt-in Antenna(FPC 22*17mm), Gray 1.13Line, L=23mm(Length does not contain transposon), With the back-endI-PEX座			
14.M2.SJCE01970	Plastic shell (International Edition)	Plastic shell: MT-WA23N-D: 65*65*30mm Material: "ming hao"MH-686fireproof (PC+ABS) White on shell screen	PCS	1	
14.M2.SJCE02970	Plastic shell (International Edition)	Plastic shell: MT-WA23N-D: 65*65*30mm Material: "ming hao"MH-686fireproof (PC+ABS) White lower shell English Screen (International Edition):WAN/LAN USB	PCS	1	
14.M2.SJCF00970	Plastic small bracket (country / American Standard)	Plastic small bracket: MT-WA23N-D: 24*23*11.5mm Material: USA GE C2950-111fireproof (PC+ABS) White GB / American Standard	PCS	1	
14.M2.SJCH01970	The plug cover (country / American Standard)	Plug cover: MT-WA23N-D: 28.8*28.9*19.6mm Material: USA GE C2950-111fireproof (PC+ABS) White GB / American Standard	PCS	1	

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14. M2. SJGF00910@	The female seat component (share)	Mother seat assembly (Black) (shared): MT-WA23N-D1: 39.3*25.4*20.6mm Material: "ming hao"MH-686fireproof (PC+ABS)+ Phosphor Bronz	PCS	1	
14. M2. SJGG02910@	Under the cover of the plug (share)	Plug under cover (shared): MT-WA23N-D1: 36.9*26.5*18mm Material: "ming hao"MH-686fireproof (PC+ABS) Black	PCS	1	
14. M4. TP0Q002B0	Shrapnel (country / American Standard)	Power plug shrapnel (new): MT-G3R-X23N-D: 34.4*5.5mm Material: Phosphor Bronze Supplier: "hua yi sheng da"	PCS	2	
14. M4. TP0R002B0	Plug assembly (American Standard)	Plug assembly: MT-WA23N-D: 28.1*17*8.7mm Material: Phosphor bronze nickel plated) silver+"ming hao"MH-686 fireproof (PC+ABS) White American Standard(Pin Overall Length28.28mm) (New to mode)	PCS	1	
14. M9. DG0H008G0	light_transferring pole	Guide beam: MT-WA23N-D: 13*9.2mm Material: fireproof PMMA Colorless	PCS	1	
14. MC. GJ0C00A10	Thermal conductivity of silica gel	Thermal insulation of soft silicon (Si) film 17*35*1.5mm Black	PCS	1	
14. MD. JY0B00HG0	The insulating sheet	Insulation sheet:MT-WA23N-A/B: 59.07*51.62*0.25mm Sided adhesive material: PC Insulation, fire protection, temperature, and environmental protection	PCS	1	
14. MD. JY1Q00H10	Heat shrinkable sleeve	Heat shrink tubing:typeΦ3, long13.5mm, Tolerance+-0.5mm, 400Meters per plate(Inside diameter measuring physicalΦ 3.5)	PCS	0.0000675	
14. MD. JY2300E10	Limiting foam 1	Limiting foam1:11*10*12mm, Texture of material EVA Hardness 60Degree Single dorsal 3M9448	PCS	1	
14. MD. JY2900E10	Limiting foam 2	Limiting foam2:10*5*10mm, Texture of material EVA Hardness 60Degree Single dorsal 3M9448	PCS	1	
15. P2. 20821V0C7	Power Supply	Power Supply': 5V/1A(Transformer low), With power line2Root (1007, 22#, Long45mm) , Stripping tin dipping length 5mm, 2.54mm 2PINPin output , (Welding leg length 2.0mmFollowing)Supplier: "xing guan cheng"(SS0051F050100-MT-C)	PCS	1	