

HNSAG3S01S (ARTIK 5) Partlist

Part Name	Specification	Quantity	Unit	Location
C-CER,CHIP	0.022nF,5%,25V,COG,TP,0603	2.00	PC	C83,C76
C-CER,CHIP	.018nF,5%,25V,NP0,0603	2.00	PC	C1,C2
C-CER,CHIP	0.1nF,5%,25V,NP0,TP,0603	2.00	PC	C189,C188
C-CER,CHIP	100nF,10%,16V,X5R,TP,0603	7.00	PC	C128,C50,C51,C47,C85,C12,C111
C-CER,CHIP	4700nF,20%,6.3V,X5R,TP,1005(1106),-	6.00	PC	C25,C32,C33,C146,C171,C185
C-CER,CHIP	1000nF,10%,6.3V,X5R,TP,0603	14.00	PC	C68,C73,C77,C79,C81,C80,C82,C93,C85,C88,C97,C113,C90,C112
C-CER,CHIP	2200nF,20%,10V,X5R,TP,1608(1810),0.8T	1.00	PC	C101
C-CER,CHIP	10000nF,20%,10V,X5R,TP,1005(1107),0.5T	4.00	PC	C106,C110,C96,C108
C-CER,CHIP	2200nF,20%,6.3V,X5R,TP,0603,0.3T	4.00	PC	C70,C95,C87,C103
C-CER,CHIP	0.001nF,0.25pF,50V,COG,TP,1005	1.00	PC	C163
C-CER,CHIP	0.022nF,5%,25V,COG,TP,0603	2.00	PC	C168,C169
C-CER,CHIP	0.01nF,5%,25V,COG,TP,0603,0.3T	8.00	PC	C183,C182,BC112,C184,BC108,BC110,BC111,BC109
C-CER,CHIP	0.0018nF,0.25pF,25V,COG,TP,0603	1.00	PC	C164
C-CER,CHIP	10nF,10%,10V,X7R,0603	4.00	PC	C166,BC103,BC113,C161
C-CER,CHIP	2.2nF,10%,10V,X7R,TP,0603	1.00	PC	C127
C-CER,CHIP	100nF,10%,16V,X5R,TP,0603	48.00	PC	C114,C58,C83,C61,C84,C41,C55,C46,C37,C63,C34,C42,C87,C56,C36,C38,C65,C52,C57,C43,C59,C48,C62,C39,C66,C82,C131,C53,C64,C44,C86,C60,C49,C40,C54,C45,C117,C116,C67,BC101,BC102,BC100,BC114,BC106,BC107,BC104,C901,C902
C-CER,CHIP	4700nF,20%,6.3V,X5R,TP,1005(1106),-	15.00	PC	C11,C15,C16,C26,C115,C84,C91,C92,C100,C102,C104,C105,C107,C109,C181
C-CER,CHIP	1000nF,10%,6.3V,X5R,TP,0603	24.00	PC	C129,C9,C20,C17,C18,C27,C28,C29,C35,C8,C24,C14,C22,C31,C69,C71,C72,C78,C94,C86,C98,C89,C99,C160
C-CER,CHIP	470nF,10%,6.3V,X5R,TP,0603,0.3T	1.00	PC	C167
C-CER,CHIP	10000nF,20%,10V,X5R,TP,1005(1107),0.5T	9.00	PC	C7,C21,C30,C13,C23,C10,C19,C75,C74
C-CER,CHIP	2200nF,20%,6.3V,X5R,TP,0603,0.3T	1.00	PC	C162
CONNECTOR-COAXIAL	MALE,0-3GHz,50ohm	3.00	PC	J7,J10,J8
CRYSTAL-SMD	24MHz,10ppm,15pF,80ohm,TP	1.00	PC	Y7
CRYSTAL-SMD	24MHz,10ppm,15pF,80ohm,TP	1.00	PC	Y3
CRYSTAL-SMD	TFX-03, 32.768KHZ	1.00	PC	X1
FILTER-LC	2450MHz,2.60dB,TP,2110-2170MHz/20dB	2.00	PC	L24,L21
HEADER-BOARD TO BOARD	BOX,60P,2R,0.4mm,SMD-S,AU,13.9x2.35x1.24mm	3.00	PC	J3,J4,J5
IC-LEVEL DRIVER	FXMA108BQX,DQFN,20P,4.5X2.5X0.8,TP,PLASTIC,5.5V,-40to+85C,-0.5/7.0V	1.00	PC	U901
IC-MICROPROCESSOR	SC53472XAB-A040,24MHz,FCMSP,500P,TP,1.5V,-25to+85C	1.00	PC	U52
IC-POWER AMP	SE2432L,QFN,24P,3X4X0.85mm,22dB,PLASTIC,3.6V,-40to+125C	1.00	PC	U11
IC-POWER SUPERVISOR	S2MPS14X01-6030,WFP,81P,3.8x3.8x0.733mm,PLASTIC,0.6/3.375,1500mA,TP	1.00	PC	U2
IC-SECURITY	S3FV5RP	1.00	PC	U8
IC-ZIGBEE	EM3587-RTR,QFN,48P,7mm x 7mm,PLASTIC,3.6V,-40to+85C,TR	1.00	PC	U9
INDUCTOR-SMD	1.0uH,20%,2012,0.7T,0.060Hm,3100mA	5.00	PC	L2,L5,L4,L3,L1
INDUCTOR-SMD	2.2uH,20%,1.6X0.8,0.8,0.3ohm,750mA,Power Inductor	1.00	PC	L13
INDUCTOR-SMD	3.3nH,0.3nH,0603	2.00	PC	L15,L16
INDUCTOR-SMD	2.7nH,0.3nH,0603	2.00	PC	L22,L23
PCB	HNSAG3S01S,FR-4,10,0.8T,133X80,10	1.00	PC	
R-CHIP	0ohm,5%,1/16W,TP,1005	1.00	PC	R161
R-CHIP	14Kohm,1%,1/16W,TP,1005	1.00	PC	R59
R-CHIP	100Kohm,5%,1/20W,TP,0603	4.00	PC	R3,R144,R139,R135
R-CHIP	1Kohm,5%,1/20W,TP,0603	8.00	PC	R15,R16,R17,R18,R24,R23,R22,R21
R-CHIP	200Kohm,5%,1/20W,TP,0603	2.00	PC	R60,R62
R-CHIP	10Kohm,5%,1/20W,TP,0603	9.00	PC	R4,R25,R26,R5,R6,R7,R78,R83,R49
R-CHIP	0ohm,5%,1/20W,TP,0603	13.00	PC	R30,R102,RJ28,RJ24,RJ23,R159,RJ21,RJ27,R162,C174,C175,C177,C176
R-CHIP	20Kohm,1%,1/20W,TP,0603	3.00	PC	R97,R100,R58
R-CHIP	1Mohm,5%,1/20W,TP,0603	1.00	PC	R14
R-CHIP	49.9Kohm,1%,1/16W,TP,1005	13.00	PC	R74,R82,R73,R80,R81,R76,R79,R75,R86,R51,R52,R53,R50
R-CHIP	240ohm,1%,1/20W,TP,0603	1.00	PC	R99
R-CHIP	100Kohm,5%,1/20W,TP,0603	3.00	PC	R63,R64,R132
R-CHIP	200Kohm,5%,1/20W,TP,0603	1.00	PC	R66
R-CHIP	10Kohm,5%,1/20W,TP,0603	3.00	PC	R8,R77,R84
R-CHIP	0ohm,5%,1/20W,TP,0603	13.00	PC	R27,R145,R108,R158,R163,R157,R164,RJ30,R903,R905,R902,R906,R904
R-CHIP	47.5Kohm,1%,1/16W,TP,1005	1.00	PC	R2
R-CHIP	20Kohm,1%,1/20W,TP,0603	2.00	PC	R95,R96
R-CHIP	240ohm,1%,1/20W,TP,0603	1.00	PC	R98
R-CHIP	1.2Kohm,1%,1/20W,TP,0603	2.00	PC	R150,R151
R-CHIP	10ohm,1%,1/20W,TP,0603,0.3T	1.00	PC	R131
R-CHIP	1ohm,1%,1/16W,TP,1005	1.00	PC	R130
R-CHIP	200ohm,1%,1/20W,TP,0603	1.00	PC	R13
R-CHIP	49.9ohm,1%,1/20W,TP,0603	1.00	PC	R152
SHIELD CASE-BOTTOM	IoT Artik 5_bottom,C7701,0.2T,19.2,11.6	1.00	PC	
SHIELD CASE-TOP	IoT Artik 5_Top,C7701,0.2T,15.6,10.6	1.00	PC	
W-LAN MODULE	BCM4354,IEEE802.11a/b/g/n/ac 2x2 MIMO, BT4.0+LE, FM receiver,802.11n/ac MIM	1.00	PC	U12