

AUTOTAG SERVICE AND ALIGNMENT PROCEDURES

Both the Base Station and the Tag units are **NOT** field serviceable items and as such all service and alignment will be carried out at the factory. The units will undergo the same procedures as a production unit. See the PRODUCTION TEST PROCEDURES, section R.

Parts List For Tag

Bill of Material for

C:\MikeMaggs\Projects\Autotag\TAG\SCH\708CD0210_00\708CD0210_S01_00.Sch

Used	Part	Type	Designator	Footprint	Description
====	=====	=====	=====	=====	=====
1	302SL0100	LBL6		LABEL	Label - "NORTECH" outside
	of cardboard box Rev ??				
1	708AW0210	PCB1		PCB_FOR_BOM	PCB AutoTag DP TAG
1	708FP0003	LBL1		LABEL	Label - "NORTECH" for
	AutoTag TAG Printed				
1	708LF0001	LF1		LABEL	Leaflet - AutoTag TAG
	Installation Instructions				
1	708MD0004	H1		HOUSING-TAG-TOP	Housing - AutoTag TAG Top
1	708MD0005	H2		HOUSING-TAG-BOT	Housing - AutoTag TAG
	Bottom				
1	708MD0006	H3		LABEL	Housing - OPTIONAL AutoTag
	TAG Clip				
1	708SL0210	LBL2		LABEL	Label - 708FT0210 Barcode
	S/No				
1	CXL103276	X1		XTAL206	Crystal 32K768Hz Series
	Resonant CL=?? pF				
1	MIE040001	BT1		BTY-CR2032	Battery 3V Lithium Button
	cell CR2032				
1	MIE130001	BTH1		BTY-HLD-CR2032	Battery Holder CR2032 SMD
13	Not Used	FD1 FD2 FD3 FD4 JP1		TEST-PAD	TEST PAD for BEDofNAILS
		L3 L4 TP1 TP2 TP3			
		TP4 TP5 U2			
1	SC0033103	C20		0805	Capacitor 10nF Ceramic 10%
6	SC0033104	C19 C21 C22 C23 C24		0805	Capacitor 100nF Ceramic
	X7R 10%				
		C25			
1	SC0033222	C30		0805	Capacitor 2n2F 50V Ceramic
	X7R 10%				
7	SC0033473	C10 C11 C12 C13 C14		0805	Capacitor 47nF Ceramic X7R
	10%				
		C15 C9			
1	SC10131P0	C29		0805	Capacitor 1p0F Ceramic NPO
	+/- 0.25pF				

1	SC10132P7 C17	0805	Capacitor 2p7F Ceramic NPO
	+/- 0.25pF		
1	SC10133P3 C18	0805	Capacitor 3p3F Ceramic NPO
	+/- 0.25pF		
1	SC10134P7 C27	0805	Capacitor 4p7F Ceramic NPO
	+/- 0.25pF		
1	SC1023120 C28	0805	Capacitor 12pF 50V Ceramic
	NPO 5%		
2	SC1023150 C1 C2	0805	Capacitor 15pF Ceramic NPO
	5%		
3	SC1023221 C5 C6 C8	0805	Capacitor 220pF Ceramic
	NPO 5%		
2	SC1033102 C16 C7	0805	Capacitor 1n0F NPO Ceramic
	10%		
2	SC4140106 C3 C4	1206	Capacitor 10uF 10V Ceramic
	Y5V 20%		
1	SD0400001 D1	SOT-23	Diode Schottky HSMS-2810
1	SI2151001 U1	S0-8W	IC Microcontroller
	PIC12LCE519-04I/SM		
1	SL0002331 L2	0805	Inductor Air core 330nH
	SMD		
1	SL0002680 L1	0805	Inductor 68nH Air core SMD
1	S02043392 SAW1	QCC-8	SAW Resonator 433.92 MHz
	1-port SMD		
1	SR0001155 R26	0805	Resistor 1M5 1/8W Thick
	Film Chip 1%		
1	SR0001225 R27	0805	Resistor 2M2 1/8W Thick
	Film Chip 1%		
16	SR0001475 R1 R10 R12 R13 R14	0805	Resistor 4M7 1/8W Thick
	Film Chip 1%		
	R15 R2 R21 R22 R3 R4		
	R5 R6 R7 R8 R9		
1	SR0003000 R35	0805	Resistor 0R 1/8W Thick
	Film Chip		
6	SR0003103 R17 R28 R29 R30 R31	0805	Resistor 10K 1/8W Thick
	Film Chip		
	R33		
1	SR0003104 R18	0805	Resistor 100K 1/8W Thick
	Film Chip		
1	SR0003185 R16	0805	Resistor 1M8 1/8W Thick
	Film Chip 5%		
2	SR0003204 R23 R25	0805	Resistor 200K 1/8W Thick
	Film Chip 5%		
1	SR0003275 R11	0805	Resistor 2M7 1/8W Thick
	Film Chip 5%		
2	SR0003470 R19 R20	0805	Resistor 47R 1/8W Thick
	Film Chip 5%		
1	SR0003561 R34	0805	Resistor 560R 1/8W Thick
	Film Chip 5%		
3	SR0003824 R24 R32 R36	0805	Resistor 820K 1/8W Thick
	Film Chip 5%		
2	ST00BC817 Q4 Q5	SOT23-BEC	Transistor BC817-40 NPN
5	ST10BFR92 Q11 Q3 Q6 Q7 Q9	SOT-23	Transistor BFR92 NPN
2	ST90BSN20 Q10 Q8	SOT-23	Transistor MOSFET N-
	channel Enh. BSN20		
2	ST90BSS84 Q1 Q2	SOT-23	Transistor MOSFET P-
	channel Enh. BSS84		

2	ZZA212075 S1 S2	SCREW-2.0-C/S	Screw Self Tapper 2.0x?.?
	Countersunk		
1	ZZC500004 BOX1	LABEL	Packaging - TAG Cardboard
	box		
1	ZZC801001 BOX2	LABEL	Packaging - Packaging -
	TAG Foil Screen		
1	ZZJ503001 LBL3	LABEL	Tape Double Sided 6mm X
	50mm		