

## ADX-S V2 MAIN BOARD

Part	Qty	Designator
100μF/16V	2	C1,C20
10μF/16V	2	C13,C18
680pF, 681	1	C11
10nF, 103	4	C4,C5,C12,C17
100nF, 104	14	C2,C3,C6,C8,C9,C10,C14,C15,C19,C21,C22,C23,C24,C25*
1μF, 105	1	C7
5.1pF	1	C16
PFB455JR Ceramic Filter	1	FL1
SPK 3.5mm Audio Connector	2	CON1
MIC 3.5mm Audio Connector		CON2
TX 5mm Red LED	6	D1
FT8 5mm Red LED		D2
FT4 5mm Red LED		D3
JS8 5mm Red LED		D4
WSPR 5mm Red LED		D5
BFO 5mm Red LED		D13
1N4148	5	D6,D7,D8,D11,D14
1N4007	2	D9,D12
1N4756A Zener Diode	1	D10
BNC	1	J1
DC-005	1	J2
1μH	1	L1
100μH	1	L2
FT37-43 black toroid, 12 turns	1	L3
BS170	4	Q1,Q2,Q3,Q4
1MΩ	1	R1
4.7kΩ	1	R2
2.7kΩ	1	R12
100Ω	1	R14
10kΩ	7	R3,R4,R10,R11,R15,R16,R17
1kΩ	7	R5,R6,R7,R8,R9,R13,R18
UP(BAND) Tactile Switch With Grey Cap	2	SW1
DOWN(CAL) Tactile Switch With Grey Cap		SW2
TX Tactile Switch With Red Cap	1	SW3
2-pin header with short cap	1	*JP*
CD2003GB_GP	1	U1
SI5351_Module or Compatible	1	U2
TCXO Module	1	Rework U2
74ACT244	1	U3
LPF_BAND_MODULE Sockets	2	U4_A,U4_B
Optional Bluetooth Module Arduino_Nano or Compatible (Pre-Programmed)	1	U5* (or U4* in early PCB version)
Main PCB	1	V2, Dated 2024/04/01 or later
Top Panel PCB	1	
Bottom Panel PCB	1	
Screws	4	
Standoff M3x12+6	4	
Standoff M3x6+6	4	

Standoff M3x5	4
Audio cable	2
Audio Cable Adapter Kit	1
Plastic case	1
One page manual	1

**C25\* is added from PCB 2024/05/05. For early versions, please add a 104 in parallel with R18.**

LPF BAND MODULE										
Band	C1	C2	C3	C4	C5	C6	C7	L1	L2	L3
40m	150	1000	NC	1000	300	1000	1k $\Omega$	NC	15T/RED	10T/RED
30m	100	680	NC	680	220	680	680 $\Omega$	NC	12T/RED	8T/RED
20m	68	470	NC	470	150	470	470 $\Omega$	NC	10T/RED	7T/RED
17m	Share 15m band filter									
15m	68	330	NC	330	100	330	220 $\Omega$	NC	11T/YELLOW	7T/YELLOW
12m	Share 10m band filter									
10m	39	270	NC	270	68	270	47 $\Omega$	NC	9T/YELLOW	6T/YELLOW

Unit: pF by default

#### Summary for kitting

39	1	1k $\Omega$	1	RED	6
68	3	680 $\Omega$	1	YLW	4
100	2	470 $\Omega$	1	Wire	2.5m
150	2	220 $\Omega$	1	PCB	5
220	1	47 $\Omega$	1	Pin	40
270	3				
300	1				
330	3				
470	3				
680	3				
1000	3				