

MTS10W PARTS LIST

Resistors

1 1.1K MCR10EZPJ112 R69
5 10 MCR10EZPJ100 R2,43,49,54,84
6 100 MCR10EZPJ101 R31,35,38,40,41,42
9 100K MCR10EZPF1003 R14,34,37,44,47,50, 51,26,27
25 10K MCR10EZPF1002 R1,6,7,11,16,19,23, 29,32,45,55,61,63, 67,70,77,83,85,87,
91,48,65,72,79,82
9 1K MCR10EZPJ102 R30,33,39,60,62,68, 86,46,64
1 2.26K RC0805FR-072K26L R74
1 2.2K RC0805JR-072K2L R58
1 2.49k RC0805FR-072K49L R75
2 220 1/2 ERJ-14YJ221U R18,21
1 20K RC0805FR-0720KL R59
3 27 RC0805JR-0727RL R3,5,9
2 3K RC0603JR-073KL R56,57
3 4.7 RC0805JR-074R7L R10,17,22
5 4.7K RC0805JR-074K7L R13,15,20,28,36
3 4.99K RC0805FR-074K99L R73,R78,R80
1 470 RC0805FR-07470RL R90
1 49.9K RC0805FR-0749K9L R8
2 5.6K RC0805FR-075K6L R4,12
2 51 RC0805FR-0751RL R24,25
1 68K RC0805JR-0768KL R71

Pots

5 10K D1AA14 R53,76,81,52,66

Capacitors

5 0.01 GRM216R71H03KA01D C33,42,59,68,72,24,25
2 0.022 GRM216R71H223KA01D C69,71,35
12 0.1 ERJ-14YJ221U C17,20,21,27,28,31,46,56,57,62,64,48,58,60,67,73,74
3 0.47 CC0805KKX7R8BB474 C7,15,65
1 100uF UWX1C101MCL1GB C4
1 2.2uF C2012X5R1A225M/0.85 C61
2 20pF 08051A200JAT2A C5,8,32
16 22uF JMK212BJ226MG-T C6,16,22,26,30,34,36,37,43,44,45,47,52,54,55,66
1 2200pF GRM32A7U2J222JW31D C70
1 470pF CC0805KRX7R9BB471 C29
1 1uF C2012Y5V1C105Z/0.85 C2
6 10uF EMK212BJ106KG-T C1,18,38,41,53,63
2 10,000uF ECO-S1CA103CA C3,49
3 15uF B32524Q1156K C11,12,14
3 1uF ECQ-E2105KB C9,10,13

Diodes

1 SP0503BAHTG D1
2 1N34A D6,D7
2 1N4148-WS D3,D5,D10
1 RS2A-13 D11
1 LH R974-LP-1 D12
1 MBR1545CT D2

Transistors

3 IRF520 Q3,4,5
2 IRF9520 Q1,2

Integrated Circuits

1 THAT4320 U10
1 EL7222 U3
1 L78M05 U9
2 LM358N U6,8
1 LM78L08ACM U12
1 TLC04 U7
1 LP2985-3.3 U11
1 MK1716 U5
1 CD4066B U4
1 PIC18F4550 U2
1 ICL7667 U1

Crystals and TCXOs

1 20.000 MHz HCM49 X1
1 FOX924-10MHz X2

Inductors

1 200uH MTS10-1001 L1
1 222uH MTS10-1002 L3
1 248uH MTS10-1003 L2
1 495uH MTS10-1004 L4

Transformers

3 MTS10-1005 T1,T2,T3
2 Midcom 671-8013 T5,T6
1 MTS10-1006 T4

Switches

1 101-0363-EV S1

Connectors

1 BNC 571-5415085-1 J3
1 2.1x5.5 AD-0202-2.1 J7
1 Header 5 pin SIL 517-9611056404AR J1
1 3.5mm Stereo jack AJE3531-3 J4,J5
1 4 pos header SIL 517-9611046804AR J6
1 8 pos header SIL P1
1 USB Jack Type B CU02SAH0000 J2

Misc

1 MTS 7200-100 Printed Circuit Board
1 MTS 7200-125 Enclosure
1 MTS 7200-126 Front Panel
1 MTS 7200-127 Rear Panel
1 MTS 7200-131 Front Panel Overlay
1 MTS 7200-132 Rear Panel Overlay
1 MTS 7200-128 Heat Sink
6 TO220 Mounting Kits
3 #4-40x0.75 Round Standoff
16 #4-40x0.25 PHMS
4 #4-40x0.50 PHMS

LCD Assembly

2 MTS 5700-102 Printed Circuit
1 LCD Assembly 2F08DNLY-E
2 Header, 2 x 7 DIL Connector
1 Header 1 x 7 SIL Connector
2 Header 1 x 1 SIL Connector Pin

RF Filter Assembly

2 Relay DS2Y-12 K1,K2
1 CAP0805 0.22uF C4
2 CAP1210 100pF C3,C10
4 CAP1210 1100pF C9,C18,C23,C24
1 CAP1201 1200pF C26
2 CAP1210 1500pF C11,C21
2 CAP1210 1800pF C36,C37
3 CAP1210 2000pF C8,C17,C31
1 CAP1210 2200pF C30
2 CAP1210 200pF C2,C38
2 CAP1210 220pF C28,C32
2 CAP1210 20pF C12,C29
1 CAP1210 39pF C27

2 CAP1210 300pF C14,C16
1 CAP1210 3300pF C20
3 CAP1210 330pF C13,C15,C22
2 CAP1210 470pF C1,C25
2 CAP1210 620pF C5,C6
1 CAP1210 6800pF C34
1 CAP1210 680pF C7
1 CAP1210 68pF C19
4 DIODE 4148 D1,D2,D3,D4
1 IDC1X8F P1
1 INDI 10.3uH/33T L6
1 INDI 12.5/36 L5
1 INDI 4.7uH/23T L2
1 INDI 5.7uH/25T L1
1 INDI 6.9uH/26T L4
1 INDI 8.3uH/30T L3
2 NPN M3904 Q1,Q2
2 RES0805 10K R2,R4
2 RES0805 1K R1,R3
1 7001-201 Printed Circuit Board

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