

PARTS LIST FOR ASSEMBLY: A SM1632 00
Issue:E

ST500 430-470MHz 100mW
PROTOTYPE ISS.E CN3474 260399

Qty	Component	Iss Description	Location
1.0	NOTE 1		* = FREQUENCY COMPONENTS
2.0	1051 0047	4E7 0805 0.156W 2%	R23,37
5.0	1051 0470	47E 0805 0.156W 2%	R30,42,46,49,52
4.0	1051 1470	470E 0805 0.156W 2%	R33,35,36,43
1.0	1051 1560	560E 0805 0.156W 2%	R54
5.0	1051 2150	1K5 0805 0.156W 2%	R17,21,34,47,48
5.0	1051 2220	2K2 0805 0.156W 2%	R6,8,10,44,53
1.0	1051 2270	2K7 0805 0.156W 2%	R38
4.0	1051 2470	4K7 0805 0.156W 2%	R22,24,39,41
10.0	1051 3100	10K 0805 0.156W 2%	R1,4,5,7,25,26,27,31,40 R50
1.0	1051 3220	22K 0805 0.156W 2%	R28
1.0	1051 3470	47K 0805 0.156W 2%	R11
6.0	1051 4100	100K 0805 0.156W 2%	R2,13,18,19,32,45
2.0	1051 5100	1M0 0805 0.156W 2%	R9,29
1.0	1060 3100	10K SM 3142 25% 150mW	RV4
1.0	1060 3200	20K SM 3304W 25% 100mW	RV3
2.0	1060 4101	100K SM 3304W 25% 100mW	RV1,2
4.0	1166 2100	1000PF 0603 X7R 10%	C55,56,57,58
1.0	1170 0005	0.5pF 0805 COG 0.25pF	C26
1.0	1170 0010	1.0PF 0805 COG 0.25P	C33*
1.0	1170 0018	1.8PF 0805 COG 0.25P	C36*
2.0	1170 0027	2.7PF 0805 COG 0.25P	C40,54
1.0	1170 0039	3.9PF 0805 COG 0.25P	C19*
7.0	1170 0068	6.8PF 0805 COG 0.25P	C10*,17*,27,35*,45*,46,48*
4.0	1170 0100	10PF 0805 COG 5%	C13*,15*,47*,60
2.0	1170 0560	56PF 0805 COG 5%	C12,31
1.0	1170 1120	120PF 0805 COG 5%	C11
17.0	1171 2101	1000PF 0805 X7R 10%	C1,3,5,6,7,18,20,21,24,28 C29,37,41,49,50,52,59
1.0	1171 2220	2200PF 0805 X7R 10%	C8
3.0	1171 3150	0.015UF 0805 X7R 10%	C16,25,38
5.0	1171 4100	0.1UF 0805 X7R 10%	C2,14,23,39,42
2.0	1176 4330	0.33UF 1206 X7R 10%	C22,43
1.0	1185 0101	3/10pF SM TRIMMER	C32
3.0	1190 6100	TANT CASE A 10uF 6.3V 20%	C9,34,53
2.0	1191 5220	2.2UF 10V 3.2X1.6X1.6 TANT	C44,51
1.0	1192 6102	10UF 16V 3.5x2.8x1.9 TANT	C4
1.0	1251 0030	BAV70 2 DIODES SOT23 A4	D6
2.0	1251 0100	1SS355 DIODE SOD323 35V 22	D1,5
3.0	1255 0040	1SV229 DIODE	D2,3,4
3.0	1264 0020	BFR540 RF NPN SOT23	TR3,4,5
2.0	1267 0060	DTC124EKT146 NPN DIG.TRANS	TR1,6
1.0	1268 0040	DTB113ZK PNP DIGITAL SOT23	TR2
1.0	1275 0070	*** PIC16F8404S0 S/M MICRO	IC3 PROG BEFORE FITTING
1.0	1283 0010	LM358M SM SURF/NT DUAL OP	IC4
1.0	1283 0020	TL062CD SM SM DUAL OP AMP	IC1
2.0	1285 0050	UPC2712T 2GHz 30dB +3dBm	IC5,7
1.0	1287 0030	LMX1501A	IC6
1.0	1616 3200	F Z ST500 PCB	
1.0	1750 3120	12nH SM SPRING 4T INDUCTOR	L8*