

Bill of Material

Transmitter for R/C Helicopter

(Model No.: HM35, HM36, HM37, HM39, HM40, HM45#2, HM52,
HM56, HM59, HM60, HM60#B, HM76#B, HM 22A, HM22E)

Model No.: WK-0703

Quantity	Footprint	Part Type	Designator
2	RES 0603	68 ± 10 %	R61. R47
1	RES 0603	101 ± 10 %	R58
1	RES 0603	221 ± 10 %	R49
2	RES 0603	102 ± 10 %	R62. R55
5	RES 0603	222 ± 10 %	R41. R43. R65. R42. R51
2	RES 0603	252 ± 10 %	R52. R44
19	RES 0603	392 ± 10 %	R22. R23. R24. R25. R26 R27. R30. R31. R32 R29. R28. R34. R35. R36. R37. R38. R39. R33. R40
1	RES 0603	472 ± 10 %	R56
1	RES 0603	6801 ± 1 %	R46
6	RES 0603	103 ± 10 %	R16. R18. R19. R20. R60. R1
4	RES 0603	153 ± 10 %	R48. R63. R53. R59
1	RES 0603	183 ± 10 %	R17
1	RES 0603	223 ± 10 %	R54
1	RES 0603	3012 ± 1 %	R45
1	RES 0603	473 ± 10 %	R64
1	RES 0603	393 ± 10 %	R2
1	RES 0603	334 ± 10 %	R57
1	VRES-SMD	103	VR5
2	COIL 0805	390NH ± 10 %	L7. L16
1	COIL 0805	820NH ± 10 %	L15
1	COIL 0805	33UH ± 20 %	L1
2	DIO-SMD	IN4148	D3. D6
2	DIO SOT-323	MA2J729(2B)	D1. D2
3	NPN SOT-23	8050	Q3. Q4. Q8
1	NPN SOT-23	BFR92	Q6
1	NPN SOT-23	2714	Q7
1	PNP SOT-23	8550	Q1
1	IC SOT-23	3.3V	IC7
2	IC SOT-89	UR133-3.3V-A	IC1. IC2
1	IC SOT-223	DF1117	IC3

1	CPU MLF	MEGA32	IC4
1	IC SO-16	HC4051	IC6
1	IC SO-8	AT93C86A	IC5
1	SSOP-16	LMX2306	IC8
1	CAP 0603	2±5%	C78
1	CAP 0603	3.9±5%	C46
1	CAP 0603	5.6±5%	C96
3	CAP 0603	10±5%	C92. C72. C73
1	CAP 0603	12±5%	C74
1	CAP 0603	15±5%	C71
1	CAP 0603	20±5%	C91
1	CAP 0603	27±5%	C76
1	CAP 0603	39±5%	C81
4	CAP 0603	101±5%	C36. C48. C80. C79
2	CAP 0603	102±20%	C66. C89
1	CAP 0603	472±20%	C105
12	CAP 0603	103±20%	C98. C47. C49. C20. C108. C53. C52. C45. C24. C21. C50. C51
4	CAP 0603	163±20%	C61. C65. C102. C104
4	CAP 0603	182±20%	C103. C99. C90. C87
3	CAP 0603	105±20%	C85. C82. C94
1	DCAP -A	1UF/10V	C69
3	DCAP -A	10UF/10V	C63. C107. C56
4	DCAP -A	47UF/10V	C55. C17. C1. C54
4	DCAP -A	22UF/10V	C30. C67. C68. C101
1	VCAP-SMD	1-3P	C97
1	VCAP-SMD	3-20P	VC1
1	CRY 49US	8MHz (3.5mm)	XT1
1	VDIO	2105	D4
1	RES 1W	1Ω	R13
2	ECAP 4X8	47UF/16V	C18. C83
2	ECAP 6X12	220UF/16V	C62. C84
1	IC TO-92	78L05	IC1
1	BUZZ	12X8 (5V)	SP1
1	DC	205	DC1
3	SW	MTS-102-F	S8. S9. S10
6	SOT-SW	4X4X1.5mm	S1. S2. S3. S4. S5. S6
8	SOT-SW	3*6*4.3	S15. S16. S11. S12. S17. S13. S18. S14
1	SW	MTS-103	S19
1	VRES	WH13-1-E(5K)	V1
1	VRES	WH13-1-D(5K)	V2
1	CAP 0603	2±5%	C13

1	CAP 0603	3.9±5%	C16
2	CAP 0603	5.6±5%	C28. C40
2	CAP 0603	7.5±5%	C32. C43
3	CAP 0603	15±5%	C12. C27. C37
2	CAP 0603	18±5%	C41. C2
1	CAP 0603	22±5%	C33
2	CAP 0603	39±5%	C29. C34
1	CAP 0603	47±5%	C38
1	CAP 0603	82±5%	C19
2	CAP 0603	102±20%	C25. C26
4	CAP 0603	103±20%	C6. C7. C8. C9
1	CAP 0603	104±20%	C15
2	DCAP--A TYPE	10UF/6V	C3. C22
2	VCAP	3/20PF	C23. C35
3	CAP 1206	22UF/25V	C10. C4. C5
2	COIL 1008	820NH±5%	L1. L2
2	COIL 1008	470NH±5%	L3. L10
3	COIL 1008	150NH±5%	L14. L8. L11
2	COIL 1008	180NH±5%	L12. L13
1	COIL 1812	10UH±20%	L5
1	COIL 1008	1.5UH±10%	L6
1	COIL 1008	390NH±5%	L9
1	NPN SOT-23	R25	Q1
1	FET SOT-89	RD01MUS1	Q2
1	RES 0603	10±10%	R4
2	RES 0603	22±10%	R3. R8
2	RES 0603	47±10%	R12. R50
1	RES 0603	102±10%	R10
3	RES 0603	152±10%	R2. R6.R7
2	RES 0603	222±10%	R9. R11
1	RES 0603	392±10%	R1
1	RES 0603	472±10%	R5