

# SCIENTIFIC TOYS, LTD.

## BILL OF MATERIALS

Title : TRANSMITTER 49MHz  
 Item No. :BY3E895  
 Date : 22-3-2003

Department : ELECTRONIC ENG.  
 Revision : A

List	Part No.	Description	Specification	Qty.	Location	Cost
1		9100-1U PCB		1	PCB1	
2		1k Ω FIX RESISTOR	1/4W +/- 5%	1	R10	
3		180k Ω FIX RESISTOR	1/4W +/- 5%	1	R2	
4		22k Ω FIX RESISTOR	1/4W +/- 5%	2	R1, R6	
5		47 Ω FIX RESISTOR	1/4W +/- 5%	1	R8	
6		680k Ω FIX RESISTOR	1/4W +/- 5%	1	R11	
7		680k Ω FIX RESISTOR	1/4W +/- 5%	1	R7	
8		68 Ω FIX RESISTOR	1/4W +/- 5%	1	R5	
9		5PF CERAMIC CAP.	+/-10% 50V	1	C10	
10		0.01UF CERAMIC CAP.	+80/-20% 16V	1	C1	
11		0.1UF CERAMIC CAP.	+80/-20% 16V	3	C3, C11, C12	
12		15pF CERAMIC CAP.	+/-10% 50V	1	C2	
13		0.002UF CERAMIC CAP.	+80/-20%50V	1	C7	
14		30pF CERAMIC CAP.	+/-10% 50V	2	C4, C6	
15		56pF CERAMIC CAP.	+/-10% 50V	1	C8	
16		DIODE1N4148		2	D1, D6	
17		49.860MHz CRYSTAL		1	Y1	
18		TL-112 CE-BH1402 TUNING COIL	TUNING COIL	1	L3	
19		FL-208 CW-1R4M FERRITE COIL	FERRITE COIL	2	L1, L2	
20		TR-9013H TRANSISTOR		2	Q1, Q2	
21		TR-9014C TRANSISTOR		1	O4	
22		LED	RED SUPER BRIGHT	1	LED1	
23		JUMPER	2"	5	J1-5	
24		COB 9100-2R		1	COB	
25		3100-3R PCB		1	PCB15	
26		9100-4R PCB		1	PCB14	
27		47 Ω FIX RESISTOR	+/-5% 1/4W	1	R8	

Check By : DICK  
 FM006

Approved By : (H.K.YAM)  
PAGE 1 OF 2

# SCIENTIFIC TOYS, LTD.

## BILL OF MATERIALS

Title : TRANSMITTER 49MHz  
 Item No. :BY3E895  
 Date : 22-3-2003

Department : ELECTRONIC ENG.  
 Revision : A

List	Part No.	Description	Specification	Qty.	Location	Cost
28		RUBBER PAD 1 KEY		8	KEY1-4, KEY5-8	
29		W562S08		1	U1	

Check By : DICK  
 FM006

Approved By : (H.K.YAM)  
PAGE 2 OF 2