

# SCIENTIFIC TOYS, LTD.

## ELECTRICAL PARTLIST

Title : SCREEN TRANSMITTER-49MHz

Department : ELECTRONIC ENG.

Document No. : REF-E-

File No. : \FCC\BY3E890.XLS

Date : 22-2-2000

*Parts List*

TRANSMITTER					
1		4044-11 PCB	DIMENSION 45.5x9123x1.6mm	1	PCB
2		203 CERAMIC CAP.	+80%-20% ≥ 12V	1	C1
3		47uF ELECT-CAP.	±20% ≥ 16V(SMALL SIZE) SIZE D≤5mm H≤7.5mm	1	C2
4		103 CERAMIC CAP.	+80%-20% ≥ 12V	1	C3
5		30pF CERAMIC CAP.	±10% ≥ 12V	2	C4,C11
6		56pF CERAMIC CAP.	±10% ≥ 12V	1	C5
7		202 CERAMIC CAP.	+80%-20% ≥ 12V	1	C6
8		20pF CERAMIC CAP.	±10% ≥ 12V	1	C7
9		5pF CERAMIC CAP.	±10% ≥ 12V	1	C8
10		15pF CERAMIC CAP.	±10% ≥ 12V	1	C10
11		Ø 5mm LED	ULTRA BRIGHT (RED)	1	LED
12		FL-208D FERRITE COIL	(A-B)Ø 0.3mm x 7.5 Turns	2	L1,L3
13		TL-279 TUNING COIL	(D-E) Ø 0.35mm x 8.75Turns	1	L2
14		9013G TRANSISTOR	NPN	2	Q1,Q2
15		220K FIX RESISTOR	1/4W ± 5%	1	R1
16		1.5K FIX RESISTOR	1/4W ± 5%	1	R2
17		680 Ω FIX RESISTOR	1/4W ± 5%	1	R3
18		33K FIX RESISTOR	1/4W ± 5%	1	R4
19		150K FIX RESISTOR	1/4W ± 5%	1	R5
20		6.8K FIX RESISTOR	1/4W ± 5%	1	R6
21		150 Ω FIX RESISTOR	1/4W ± 5%	1	R7
22		820 Ω FIX RESISTOR	1/4W ± 5%	1	R8
23		49.860MHz CRYSTAL	± 50ppm	1	Y1

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*5A*

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24		3V9 ZENER DIODE	0.5W	1	ZD1
25		TX2 IC	14PIN	1	I.C.1
26		BARE WIRE	Ø 0.5x50mm	3	JP1,JP2,JP3
27		TAPE	MASKING TAPE DIMENSION 1/2吋 x 3吋	1	P1
28		ANTENNA	6A6B	1	ANT
29		FCC ID. :		1	

REMARK: AX3018,C795 ARE EQUIVALENT OF IC1.

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