

Type	Description	Value	Quantity			
			Sync	Motion	Memory	Total
Capacitor	Ceramic, Radial, 1kV	100pF	1			1
Capacitor	Ceramic, Radial, 1kV	200pF	1			1
Capacitor	Ceramic, Radial, 1kV	1nF	1		2	3
Capacitor	Ceramic, Radial, 16V, Y5F	10nF	3		1	4
Capacitor	Ceramic, Radial, 16V, Y5F	22nF			4	4
Capacitor	Ceramic, Radial, 16V, Y5F	33nF			5	5
Capacitor	Ceramic, Radial, 16V, Y5F	100nF			2	2
Capacitor	Ceramic, Radial, 16V, Y5F	200nF	20	22	16	58
Capacitor	Electrolytic, Axial, 35V	5uF	1			1
Capacitor	Electrolytic, Axial, 35V	10uF			6	6
Capacitor	Electrolytic, Axial, 25V	25uF			1	1
Capacitor	Electrolytic, Axial, 25V	50uF	2		7	9
Capacitor	Electrolytic, Axial, 16V	100uF		2		2
Capacitor	Electrolytic, Axial, 16V	250uF	3	2	2	7
Inductor	Wirewound, Axial, +/-10%	10uH	1			1
Resistor	Carbon, 1/4W	10Ω	1			1
Resistor	Carbon, 1/4W	47Ω			2	2
Resistor	Carbon, 1/4W	100Ω	8		5	13
Resistor	Carbon, 1/4W	150Ω			1	1
Resistor	Carbon, 1/4W	220Ω	2		1	3
Resistor	Carbon, 1/4W	270Ω	2		1	3
Resistor	Carbon, 1/4W	330Ω	1			1
Resistor	Carbon, 1/4W	470Ω	6		1	7
Resistor	Carbon, 1/4W	680Ω	3			3
Resistor	Carbon, 1/4W	1kΩ	21	11	10	42
Resistor	Carbon, 1/4W	1.5kΩ	1			1
Resistor	Carbon, 1/4W	2.2kΩ	2		1	3
Resistor	Carbon, 1/4W	2.7kΩ	1		4	5
Resistor	Carbon, 1/4W	4.7kΩ			6	6
Resistor	Carbon, 1/4W	6.8kΩ			1	1
Resistor	Carbon, 1/4W	10kΩ	1		6	7
Resistor	Carbon, 1/4W	22kΩ		2	8	10
Resistor	Carbon, 1/4W	27kΩ			5	5
Resistor	Carbon, 1/4W	33kΩ			1	1
Resistor	Carbon, 1/4W	39kΩ	1			1
Resistor	Carbon, 1/4W	47kΩ			6	6
Resistor	Carbon, 1/4W	82kΩ	1			1
Resistor	Carbon, 1/4W	100kΩ			5	5
Resistor	Carbon, 1/4W	270kΩ			4	4
Resistor	Carbon, 1/4W	330kΩ			1	1
Resistor	Trimmer Potentiometer	100kΩ	1			1
Diode	General Purpose, 100V, 1A	1N4002	4			4
Diode	Zener, 9.1V, 0.5W	1N960B			1	1
Diode	Zener, 12V, 0.5W	1N963B	1			1
Diode	Small Signal, 75V, 0.2A	1N914	11		82	93
Transistors	BiPolar, NPN, 300mW, TO-105 Package	2N3643	9		10	19
Transistors	BiPolar, PNP, 300mW, TO-105 Package	2N3644	2		2	4
Transistors	UniJunction, 300mW, TO-18 Package	2N2646	1			1
Transistors	Bipolar, NPN, 1W, TO-39 Package	2N5189	1			1

Type	Description	Value	Quantity			
			Sync	Motion	Memory	Total
IC	Quad 2-Input NAND, DIP14	7400	4	1	3	8
IC	Quad 2-Input NOR, DIP14	7402	3	4	4	11
IC	Hex Inverter, DIP14	7404	3	2	2	7
IC	Hex Inverter with Open Collector Outputs, DIP14	7405	1	1	1	3
IC	Quad 2-Input AND, DIP14	7408	2			2
IC	Triple 3-Input NAND, DIP14	7410	4	1	2	7
IC	Dual 4-Input NAND, DIP14	7420	4	1	2	7
IC	8-Input NAND, DIP14	7430	1	2		3
IC	BCD to 7-Segment Decoder, Active High Outputs, DIP16	7448	1			1
IC	Dual 2-Wide 2-Input AND-OR-INVERT, DIP14	7450			1	1
IC	4-Wide 2-Input AND-OR-INVERT, DIP14	7453		2		2
IC	Dual D-Type Flip-Flops with Preset and Clear, DIP14	7474	3			3
IC	4-bit Bistable Latches, DIP16	7475		2		2
IC	Dual J-K Flip-Flops with Preset and Clear, DIP16	7476	2	2	1	5
IC	Quad XOR, DIP14	7486	1	1	5	7
IC	BCD Ripple Counter with Reset, DIP14	7490	3			3
IC	4-bit Binary Ripple Counter with Reset, DIP14	7493	1			1
IC	Monostable Multivibrator, DIP14	74121	1	2		3
IC	1 of 16 Data Selector/Multiplexer, DIP24 0.6"	74150			4	4
IC	1 of 8 Data Selector/Multiplexer, DIP16	74151			1	1
IC	Dual 1 of 4 Data Selectors/Multiplexers, DIP16	74153	2		5	7
IC	4-bit to 16-Line Decoder, DIP24 0.6"	74154			1	1
IC	4-bit Synchronous Binary Counter, DIP16	74161	6	16		22
IC	4-bit Synchronous Binary Up/Down Counter, DIP16	74193			3	3
IC	5-bit Comparator, DIP16	9324	1			1
IC	Operational Amplifier, DIP14	UA733CN	1			1
IC	Operational Amplifier, DIP14	N5741A			1	1
Total IC Count:			44	37	36	117
Misc.	5.82MHz Crystal, CR60/U		1			1
Misc.	SPST Relay, Compac 2187 P/N 150-5, 5V DC Coil		1			1
Misc.	14-pin 0.3" DIP Socket (Not Used In Original Layout)		32	17	21	70
Misc.	16-pin 0.3" DIP Socket (Not Used In Original Layout)		12	20	10	42
Misc.	24-pin 0.6" DIP Socket (Not Used In Original Layout)				5	5
Note 1: Sync/Star Board Model 2 only uses one 7408 IC.						
Note 2: The original frequency of crystal oscillator is not specified in the documentation. A value of 5.82MHz was calculated using the values of the horizontal and vertical counters in the Sync board.						