

SERVICE MANUAL & PARTS LIST

(without price)

MIDI GUITAR

MG-500

MG-510

AUG.1987



MG-500



MG-510

CASIO®

CONTENTS

1	SCHEMATIC DIAGRAM.....	1
1-1	PCBs M385-MA1M, CN1, CN2.....	1
1-2	PCB M4385-MA2M.....	2
2	PCB VIEW.....	3
2-1	PCB M385-MA1M.....	3
2-2	PCB M385-MA2M.....	3
2-3	PART NUMBER REFERENCE TABLE.....	4
2-4	PCB M385-MA1M.....	4
2-5	PCB M385-MA2M.....	6
3	CIRCUIT DESCRIPTION.....	8
3-1	WIRING DIAGRAM.....	8
3-2	BLOCK DIAGRAM.....	9
3-3	CIRCUIT BLOCK.....	10
4	CPU (μ PD78C10G) PIN FUNCTIONS.....	11
5	GATE ARRAY F.....	12
6	INTERNAL CIRCUIT OF GATE ARRAY F.....	14
(1)	Frequency Detection Counter.....	14
(2)	Peak Detection Circuit.....	15
(3)	Address Latch.....	16
(4)	MIDI Buffer.....	16
7	MIDI CIRCUIT.....	18
8	RESET CIRCUIT.....	19
9	RELATION BETWEEN FRET PITCH & FREQUENCY.....	20
10	TEST MODE	21
11	ADJUSTMENTS.....	22
	PARTS LIST	23
	EXPLODED VIEW.....	29
	OPERATIONS.....	30
	MIDI Implementation Chart.....	44