

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

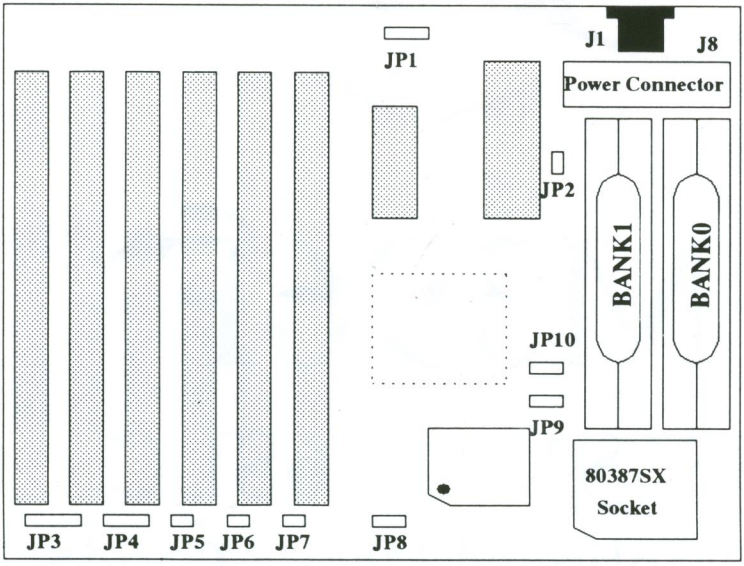
Visit our website - *Click HERE*

M396F

386SX / 486SLC

Mainboard User's Guide

Jumper, Connector, and Socket Locations



KEY FEATURES

- Single chip for 386SX or CX486SLC 25/33/40 MHZ system
- Socket support for 80387SX coprocessor
- Page mode and block interleave DRAM management
- Memory configurations from 512KB to 16MB using combinations of 256KB,512K,1M and 4M SIMM modules
- Support hardware and software turbo switch
- Support shadow RAM for system and video BIOS
- Six 16-bit I/O slots
- External and rechargeable battery-backed CMOS RAM for real time clock and system configuration
- PCB with dimensions of 220mm x 170mm

JUMPER SETTING AND CONNECTORS

JP1. External battery connector

Pin 1: VDD(6V) Pin 4: Gnd
Pin 2,3: Rechargeable battery pin
Note:To clear the CMOS configuration, place a jumper cap on pin3-4 and then place the cap back on pin 2-3 for normal operation.

JP2. Display type select

Close: Color Open: Monochrome

JP3. Power LED and keylock connector

Pin 1: LED power Pin 2: Not used
Pin 3: Gnd Pin 4: Keyboard inhibiter
Pin 5: Gnd

JP4. Speaker connector

Pin 1: Data out Pin 2: Not used
Pin 3: Gnd Pin 4: +5Vdc

JP5. Turbo LED connector

Pin 1: +Anode Pin 2: -cathode

JP6. Turbo switch connector

Close: Turbo speed Open: Low Speed

You can also switch the clock speed using software control via keyboard commonds.
CTRL,ALT,[+]:Press these three keys simultaneously to select Turbo Mode.
CTRL,ALT,[−]:Press these three keys simultaneously to select LOW Speed Mode.

JP7. Reset connector

Close: Reset Open: Not reset

JP9,JP10. CPU clock select

CLOCK	JP9	JP10
16 MHZ	1-2	1-2
25 MHZ	1-2	2-3
33 MHZ	2-3	1-2
40 MHZ	2-3	2-3

MEMORY ARCHITECTURE

The main board contains 2 banks of memory. A total of 8 modes are available.

MODE	DRAM TYPE		TOTAL MEMORY
	BANK0	BANK1	
1	256K	x	512KB
2	256K	256K	1MB
3	512K	x	1MB
4	512K	512K	2MB
5	1M	x	2MB
6	1M	1M	4MB
7	4M	x	8MB
8	4M	4M	16MB

PLEASE SHORT JP1 PIN 2-3 WITH A JUMPER CAP (REMOVED FROM PIN 3-4) TO AVOID SYSTEM BOOT-UP FAILURE JP1 PIN 3-4 SHORTED IS TO PREVENT BATTERY FROM LOSING POWER WHEN SHIPPED BY SEA

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP