

M. Farris & Associates**Micropolis 1588-15**

Specifications

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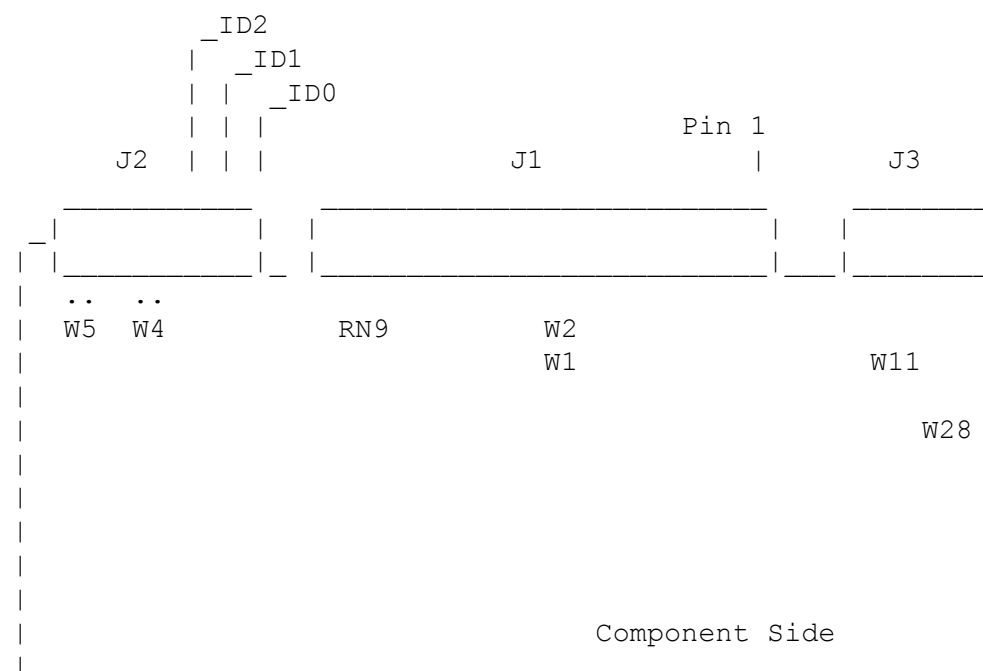
Micropolis1588-15 Specifications

Model	Capacity	Size	Height	Bus Type	Int.Type
Micropolis 1588-15	668MB	5.25"	FHT	SCSI1	SE

Size	5-1/4"
Interface	SCSI
Encoding Method	RLL
Formatted Capacity	667.6 MB
Disks	8
Heads	15
Cylinders	1632
Sectors	54
Buffer Size	N/A
Average Seek	16 msec
Single Track	4 msec
Rotation Speed / Avg. Latency	3600 rpm +/- 0.5%
Transfer Rate to / from media	15 Mbits / sec
Transfer Rate to / from buffer	N/A
Tracks Per Inch (TPI)	
Bits Per Inch (BPI)	
Dimensions	8.0"L x 5.75"W x 3.25"H
Weight	5.75 lbs.

POWER REQUIREMENTS

	+12V +/-5%	+5V +/-5%	Power
Spin up	4.35A (max)		
Read / Write	2.25A avg	2.0A avg	
Typical			28 Watts

Notes:**Drive Addressing and Interface Termination****ID0, ID1, ID2 SCSI Address Jumpers**

The SCSI ID (drive address) jumpers are identified as ID0, ID1, and ID2. ID selection is binary, as shown in the table below.

SCSI Address	Jumpers		
	ID2	ID1	ID0
0	out	out	out
1	out	out	in
2	out	in	out
3	out	in	in
4	in	out	out
5	in	out	in
6	in	in	out
7	in	in	in

For multiple drive installations, on one Host Adapter, each drive must have a unique address. Drives are configured as SCSI ID 7 at the factory.

RN9 Interface Terminator

The Interface Terminator factory installed at RN9 provides proper termination for the interface lines. When daisy-chaining multiple drives, leave the terminator installed only in the last physical drive (or drives) on the daisy chain cable; remove the terminator from each of the other drives (or the host computer).

W1, W2, Terminator Option

W1 and W2 select the source of terminator power (+5V) for the interface terminator. If a jumper is installed at W1 (the factory default configuration), and no jumper is installed at W2 the drive provides terminator power. This configuration is used for PC/AT applications. If a jumper is on W2 the host adapter will supply terminator power. If a jumper is installed at W2 and W1, and no jumper is installed at W1 the drive provides terminator power to its on-board terminators and also to the SCSI bus via interface connector J1, pin 26.

W11 Bus Option

W11 allows the drive to supply interface terminator power to the SCSI Bus. If W11 is not installed and W1 is jumpered (the factory default configuration), the drive does supply SCSI bus interface terminator power. W11 should not be installed for PC/AT applications.

W5 Spindle Option

Selects the spindle control option. If W5 is jumpered, the drive must wait for a Start Spindle command (after power is applied) to start the spindle motor. If W5 is not installed (the factory default configuration), the drive automatically starts the spindle motor at power-on. W5 is not installed for PC/AT installations.

W4 Bus Parity Option

W4 selects the parity check option. If W4 is installed, the drive neither generates nor detects parity. If W4 is not installed (the factory default configuration), the drive generates parity and enables parity detection. W4 is usually not installed for PC/AT applications. Verify the correct configuration required by your Host Adapter.

W28 Ground Options

W28 (only implemented on Rev B and later boards) is used to connect the drive's logic ground to frame ground. When a jumper is installed at W28, frame ground is connected to logic ground. When a jumper is not installed at W28 (the factory default configuration), frame ground is not connected to logic ground. For PC/AT applications, is a jumper should be installed at W28.

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