

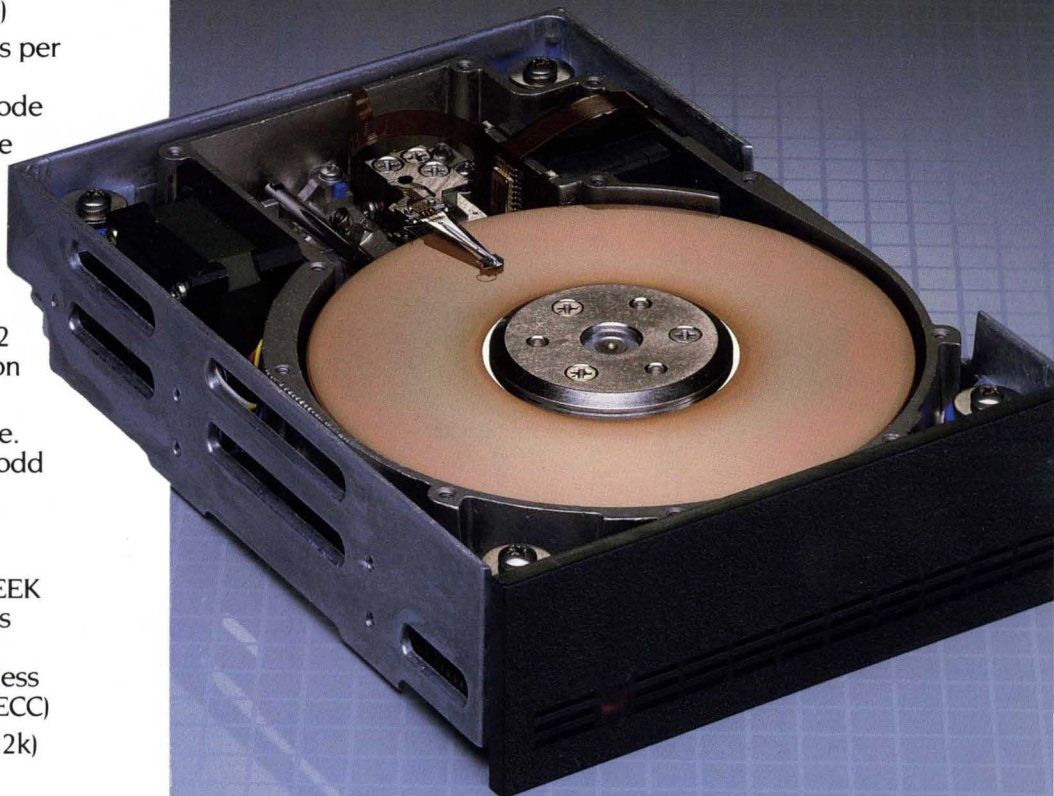
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**COMPUTER  
MEMORIES**  
Incorporated

# CM 3026 SCSI Half-Height

- **HOST INTERFACE** SCSI (Small Computer System Interface)
- **BUS TRANSFER RATE** Up to 1.5 MBytes per second in asynchronous mode
- **SCSI BUS PARITY** Jumper selectable
- **SCSI ARBITRATION** Supports multi hosts/multi controllers SCSI configuration
- **COMMAND SET** Compatible with the ANSC X3T9.2 Rev. 17 "Common Command Set"
- **SCSI BUS PARITY** Jumper selectable. Unless disabled odd parity is always generated and checked
- **ERROR RETRY** Error retry on SEEK or READ errors is performed automatically unless disabled (48 bit ECC)
- **BUFFER SIZE** 8K or optional (32k) bytes
- **SCSI POWER TERMINATION** Jumper selectable SCSI termination power (PIN 26)
- **CONSECUTIVE SECTOR TRANSFER** Can transfer a full track in a single Disk revolution
- **SECTOR INTERLEAVING** One to One or Programmable
- **PROGRAMMABLE DISK PARAMETERS** The physical disk parameters can be passed to the unit with the ASSIGN DISK PARAMETERS command
- **BLOCK OR SECTOR SIZE** Jumper selectable, 256, 512, or 1024 Bytes per Sector or Block



**SCSI**

## CM 3026 SCSI



## CM 3026 Half-Height disk drive product information

Computer Memories CM 3026 SCSI intelligent disc drive offers storage capacity of 22.5 megabytes formatted. Combining proven Winchester technology in a half-height profile with on board SCSI (Small Computer System Interface) eliminates the need for external electronics previously required to integrate Winchester disc drives into today's micro-computers.

The CM 3026 SCSI is compatible with ANSC X3T9.2 Rev. 17 "Common Command Set", has a selectable format to 256, 512, or 1024 bytes per sector block.

### COMMAND SET SUMMARY

Command	Code (HEX)	length Bytes	data Bytes(b) Blocks(B)
TEST UNIT READY	00	6	0
REZERO UNIT	01	6	0
REQUEST SENSE	03	6	4(b)
FORMAT UNIT	04	6	0
REASSIGN BLOCKS	07	6	
READ	08	6	1-256(B)
WRITE	0A	6	1-256(B)
SEEK	0B	6	0
INQUIRY	12	6	
RESERVE UNIT	16	6	
RELEASE UNIT	17	6	
COPY	18	10	1-256(B)
START/STOP UNIT	1B	6	0
SEND DIAGNOSTIC	1D	6	0
READ CAPACITY	25	6	
READ EXTENDED	28	6	
WRITE EXTENDED	2A	6	
READ ID	E2	6	4(b)
READ DATA BUFFER	3B	6	1(B)
WRITE DATA BUFFER	3C	6	1(B)

### J1 SCSI CONNECTOR

GND	1	2	DATA BIT 0 (DB0)
	3	4	DATA BIT 1 (DB1)
	5	6	DATA BIT 2 (DB2)
	7	8	DATA BIT 3 (DB3)
	9	10	DATA BIT 4 (DB4)
	11	12	DATA BIT 5 (DB5)
	13	14	DATA BIT 6 (DB6)
	15	16	DATA BIT 7 (DB7)
	17	18	DATA PARITY (DBP)
	19	20	GROUND
	21	22	GROUND
	23	24	GROUND
	25	26	TERMINATION POWER (TERM)
	27	28	GROUND
	29	30	GROUND
	31	32	ATTENTION (ATN)
	33	34	OPEN
	35	36	BUSY (BSY)
	37	38	ACKNOWLEDGE (ACK)
	39	40	RESET (RST)
	41	42	MESSAGE (MSG)
	43	44	SELECT (SEL)
	45	46	CONTROL/DATA (C/D)
	47	48	REQUEST (REQ)
GND	49	50	INPUT/OUTPUT (I/O)

### J2 RS-232 CONNECTOR

1	Transmit Data
2	Receive Data
3	Ground
4	+12 volts

## CM 3026 SCSI

### Performance Specifications:

#### Formatted Capacity: CM 3026

1024 byte/sectors = 22.67 Mbytes

512 byte/sectors = 21.41 Mbytes

256 byte/sectors = 20.15 Mbytes

### Density:

Recording Density 9705 bpi

Track Density 606 tpi

Cylinders 615 per surface

Recording Surfaces 4

Tracks 2460

R/W Heads per Surface 1 per surface

Disks 2

### Functional Specifications:

1.5 Mbytes/sec to host (from and to data buffer)

Track to Track 10 ms max

Average 65 ms max

Maximum 90 msec

### Physical Specifications:

#### Environmental Limits

Ambient Temperature 39°F to 122°F (4°C to 50°C)

Relative Humidity 8% to 80% non-condensing

Temperature Variation 18°F (10°C) hour

Altitude 10,000 ft. (3050cm)

### DC Voltage:

+5V ± 5% .8A typical, 1A max

+12V ± 10% .9A typical, 2.5A max

### Mechanical Dimensions:

Height 1.61 in. (40.9 mm)

Width 5.75 in. (146.1 mm)

Depth 8.00 in. (203.2 mm)

Weight 3.35 lbs. (1.52 kg)

### Reliability Specifications:

MTBF: 20,000 POH typical usage

PM: Not required

MTTR: less than 0.5 hour

Interface Small Computer System Interface

REV 11-85

Printed in U.S.A.

Computer Memories reserves the right to change specifications without notice.



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