

TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC.
XM-7002B/XM-7102B SLIMLINE ATAPI CD-ROM
TECHNICAL NOTES

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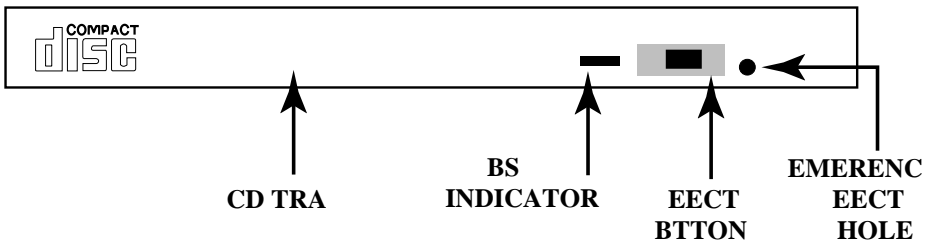
GENERAL DESCRIPTION

The following notes cover Toshiba's XM-7002B and XM-7102 Slimline ATAPI CD-ROMs. These drives are Photo-CD compatible (single and multi-session) and can read any CD which uses the HIGH SIERRA or ISO 9660 format.

DRIVE SPECIFICATIONS	XM-7002B 24X	XM-7102B 32X
CAPACITY	650mbytes	
ROTATIONAL SPEED	5,200rpm	6,850rpm
SUSTAINED DATA TRANSFER RATE		
MODE 1	3,600 Kbytes/s	4,800 Kbytes/s
MODE 2	4,104 Kbytes/s	5,472 Kbytes/s
ACCESS TIME (typ)		
AVG. RANDOM ACCESS	95ms	90ms
AVG. RANDOM SEEK	90ms	85ms
AVG. FULL STK ACCESS	180ms	180ms
DATA BUFFER	128KBytes	
POWER SUPPLY	+5V ±5%	
DIMENSIONS (WxHxD)	5.04" x 0.5 x 5.08" (128x12.7x129mm)	5.04" x 0.5 x 4.96" (128x12.7x126.1mm)
WEIGHT	6.35ounces/0.18kg	8.99ounces/0.255kg
MTBF	60,000 hours	

CD-ROM FRONT PANEL

The following illustrates the front panel of the Slim-line ATAPI CD-ROM drives:



CD-ROM FRONT PANEL

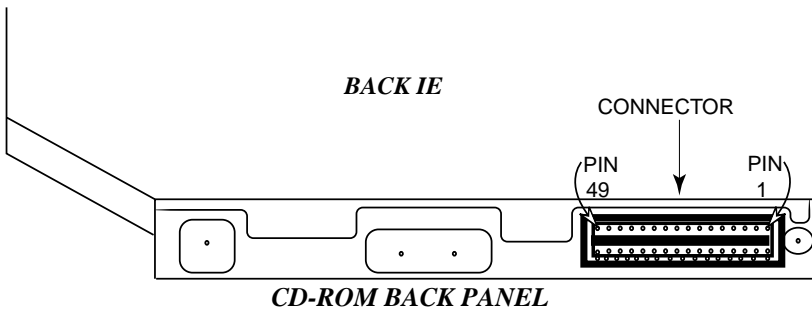
CONNECTOR PIN ASSIGNMENT

PIN#	I/O	SIGNAL NAME	PIN#	I/O	SIGNAL NAME
1	O	Audio L-CH	2	O	Audio R-CH
3	—	Audio Ground	4	—	Ground
5	I	/RESET	6	I/O	DD8
7	I/O	DD7	8	I/O	DD9
9	I/O	DD6	10	I/O	DD10
11	I/O	DD5	12	I/O	DD11
13	I/O	DD4	14	I/O	DD12
15	I/O	DD3	16	I/O	DD13
17	I/O	DD2	18	I/O	DD14
19	I/O	DD1	20	I/O	DD15
21	I/O	DD0	22	O	DMARQ
23	—	Digital Ground	24	I	/DIOR: HDMARDY: HSTROBE
25	I	/DIOW: STOP	26	—	Digital Ground
27	O	IORDY: DDMARDY: DSTROBE	28	I	/DMACK
29	O	INTRQ	30	O	/IOCS16
31	I	DA1	32	I/O	/PDIAG
33	I	DA0	34	I	DA2
35	I	/CS1FX	36	I	/CS3FX
37	I/O	/DASP	38	I	+5V (MOTOR)
39	I	+5V (MOTOR)	40	I	+5V (MOTOR)
41	I	+5V (LOGIC)	42	I	+5V (LOGIC)
43	—	Ground	44	—	Ground
45	—	Ground	46	—*/ I**	Ground*/ External Control**
47	I	Device Config (CSEL)	48	—	Ground
49	—*/ O**	N.C (OPEN)*/ Audio Mute**	50	I	Vendor Unique

*XM-7002B **XM-7102B

CD-ROM BACK PANEL

The following illustrates the back panels of the Slim-line ATAPI CD-ROM drives.



TECHNICAL SUPPORT

Technical support can be obtained by calling 949/754-5456.

Also, visit Toshiba's web site at: <http://www.diskproducts.toshiba.com>