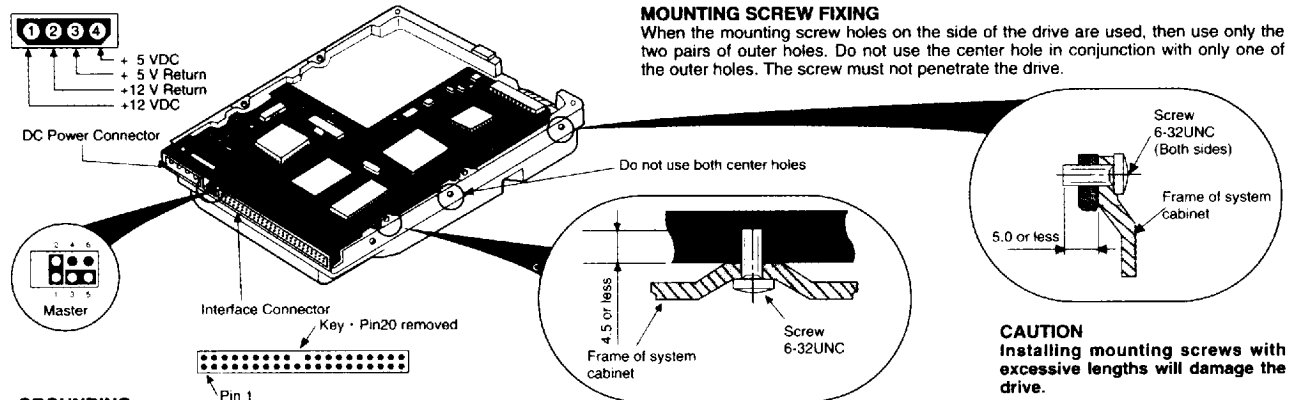


MPC3032AT, MPC3043AT, MPC3064AT, MPC3084AT, MPC3096AT, MPC3102AT
3.5-inch, ATA Interface Hard Disk Drive
Installation Guide



Below is a diagram of the PCBA board for the Fujitsu MPC3XXXAT series of ATA interface disk drive and also a summary of the user-selectable options including guidelines for installation of the drive.

1. DRIVE MOUNTING REQUIREMENTS



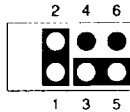
GROUNDING
 Sufficient grounding will be provided for correct operation when the drive is screwed into an electrically grounded frame.

ORIENTATION
 The drive may be installed in one of three orientations; PCA down or on either edge. Inclination from vertical or horizontal should not exceed 5°.

COOLING
 Allow space above and below the drive to provide for adequate air flow. Fan cooling is recommended. The disk enclosure temperature, measured at top center, should never exceed 60°C.

2. JUMPER SETTINGS

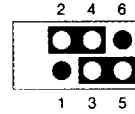
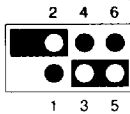
Master Drive Setting (Default setting)



Cable Select Mode Setting (CSEL)

Cable select mode gives an alternative method by which the drive may be set to MASTER or SLAVE. A special cable is needed to implement this feature and should only be used if supported by BOTH drives.

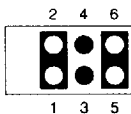
Slave Drive Setting



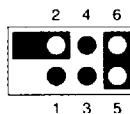
SPARE JUMPER SETTINGS

If the drive cannot be recognized by the system, due to non-translating BIOS (Legacy), which does not allow drives with capacities greater than 2.1GB, the following jumper setting should be applied.

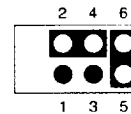
Master Drive Setting



Slave Drive Setting



Cable Select Mode Setting (CSEL)



3. SYSTEM BIOS PARAMETERS

When installing the drive in any PC system the drive will need to be configured in the system BIOS as follows: BIOS that support Auto-Detect & LBA use this function, if LBA function is not supported the values in the CHS table listed below will need to be entered manually.

Model	CHS						LBA	
	Cylinders	Heads	Sectors	Wpcom	LZone	Capacity(GB)	Sectors	Capacity(GB)
MPC3032AT	6,704	15	63	0	0	3.24	6,335,280	3.24
MPC3043AT	8,940	15	63	0	0	4.32	8,448,300	4.32
MPC3064AT	13,410	15	63	0	0	6.48	12,672,450	6.48
MPC3084AT	16,383	16	63	0	0	8.45	16,514,064	8.45
MPC3096AT	16,383	16	63	0	0	8.45	19,038,256	9.74
MPC3102AT	16,383	16	63	0	0	8.45	20,000,536	10.24

4. WORLD WIDE WEB SITE

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