	120 mV p-p	2000 mV p-p	for 200 Hz - 250 Hz
Connector	4 pin universal connector		

3. Cooling air

Volume	0.05 - 0.1 m3/min
Direction	From front to rear (No air filter is needed)

4. Operation environment

Temperature	5 - 45 deg-C (Surrounding air)
	5 - 35 deg-C (Inlet air)
Dust	up to class 1,000,000 POH

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The Integration guide for MOS330E

3.5-inch magneto-optical drive

1. Pin assignment of the pin header

(Rear View)

Pin No.	Function Name	Function/Note
1	ID 0	Setting SCSI ID
2	ID 1	Setting SCSI ID
3	ID 2	Setting SCSI ID
4	GND	Ground
5	Reserved	Must be open
6	SCSI Device Type	OPEN: Device type is 07H (Optical) SHORT: to GND: Device type is 00H (Direct access)
7	Parity Check	OPEN: Parity check enable SHORT: to GND: Parity check disable
8	Host Computer selection	OPEN: PC other than Apple Macintosh SHORT: to GND: Apple Macintosh

Note:

- Be sure to turn power off before setting the MODE PINS.
- These terminals have all been set to "Open" at the factory. Please use short bar or external connector to set the drive mode.
- Connector type: FCN-723J012/1M (housing), FCN-723J-G/AM (contact)
- The pitch of pins is 2 mm.

2. Power supply

Voltage	+5 V	+/-5%
Capacity	Peak	2.0 A
	Rated	1.6 A
Ripple noise	Max.	60 mV p-p
Connector	4 pin universal connector	

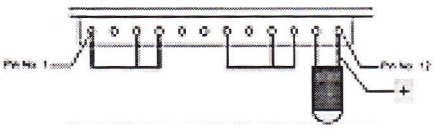
3. Operation environment

Temperature	5 to 40 deg-C (Surrounding air)
Cooling air flow	-5 to 35 deg-C, 0,01 m3/minute or less.

4. Example for Mode Pin setting

The figure below shows the example for the setting:

- SCSI ID=5
- Parity check: Disabled
- Internal terminator: Disabled
- External Busy LED was connected.



5. Using Dip switch assembly and Harness supplied OLYMPUS

OLYMPUS can supply the mode setting parts, small PCB with DIP switch and Harness cable for the convenience of your evaluation. Following is the way to connect the PCB by Harness.
One DIP switch and one rotary switch are on the PCB assembly. SCSI ID will be the Number wich is indicated by rotary switch. The function of DIP switch was shown the table below.

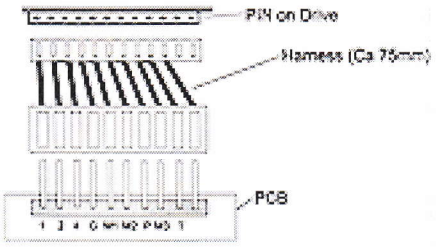
SW No.	ON	OFF
1	Reserved (MUST BE OFF)	
2	Reserved (MUST BE OFF)	

9	Internal Terminator	OPEN: Internal terminator is enabled SHORT: to GND: Internal terminator is disabled
10	GND	Ground
11	For SLED	Current sink for Busy LED
12	+5 V DC	Current source for Busy LED

The detail of the Functions are as follows.

- Pin 1 - Pin 3
  - SCSI ID setting.
    SCSI ID=ID0 x2EXP(0) + ID1 x2EXP(1) + ID2 x2EXP(2)
    ID0, ID1, ID2 is "1", if it is connected to GND (Pin No.4).
    See below for the example.
- Pin 5
  - This pin was reserved. This pin must be opened.
- Pin 6
  - Drive reply the inquiry data as follows. (Only Inquiry difference.)
    07H (Optical Memory Device) will be set in inquiry data when this pin was opened.
    00H (Direct Access Device) will be set in inquiry data when this pin was connected to GND (Pin No.10).
- Pin 7
  - Parity check will be done during data transfer.
    Parity check will be performed when this pin was opened.
    Parity check will not be performed when this pin was connected to GND (Pin No.10).
- Pin 8
  - Variation for the conformance to computer type
    For normal host adapter (Unit Attention will be caused after power on) when this pin was opened.
    For Macintosh (Unit Attention will not be caused after power on) when this pin was connected to GND (Pin No.10).
- Pin 9
  - Internal Termination Resistor for SCSI bus Enable/Disable
    Termination Resistor is enabled when this pin was opened.
    Termination Resistor is disabled when this pin was connected to GND (Pin No.10).
- Pin 11
  - Busy Lamp signal (current sink)
    This pin can absorb the current when the Busy LED in front panel ON.
    External busy LED can be connected to this pin.
- Pin 12
  - +5 V DC output.
    This pin is for the current source for external Busy LED which will be connected to Pin No.11.

3	DEVICE TYPE 00H	DEVICE TYPE 07H
4	Macintosh	Other PC
6	Parity Check Disabled	Parity Check Enabled
7	Not terminated	Terminated



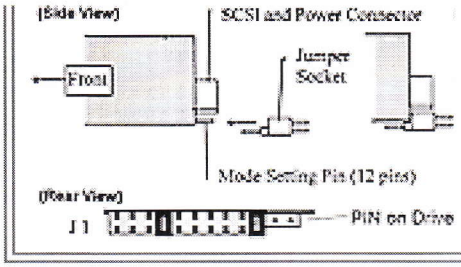
6. Using Jumper Socket Adapter supplied OLYMPUS
OLYMPUS can supply the mode setting parts, small adapter witch can be attach on 12 pinn connector on back side of the drive.
Figures below are showing how to attach the Jumper Socket Adapter.

Note followoing points:

- The Adapter should be inserted to 10 pins from left side (Pin 1-10) on Mode Setting Pins.
- J4 and J10 need to be shorted always.
- The Adapter will exceed around 1 mm belower than the bottom of the drive. Please keep some space to avoid the crash when the drive will be fixed.

Pin assignment is as follows:
SCSI ID = ID0 x2EXP(0) + ID1 x2EXP(1) + ID2 x2EXP(2)

Jumper No.	**Short**	**Open**
1	ID0=1	ID0=0
2	ID1=1	ID1=0
3	ID2=1	ID2=0
4	MUST BE **SHORT**	
6	MUST BE **OPEN**	
7	Device type is 00H (Direct access)	Device type is 07H (Optical)
8	Apple Macintosh	PC other than Macintosh
9	Internal terminator is disabled	Internal terminator is enabled
10	MUST BE **SHORT**	


(Side View)
SCSI and Power Connector
Front
Jumper
Socket
Mode Setting Pin (12 pins)
(Rear View)
J1
PIN on Drive

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