



**MITSUBISHI ELECTRIC CORPORATION, JAPAN**  
**KORIYAMA WORKS**

**SPECIFICATION**

1. APPLICATION: This specification is applied to following  
 3.5 inch Flexible Disk Drive.

2. MODEL: MF355C-12UJ

3. PHYSICAL SPECIFICATION

- (1) SIZE of FRONT BEZEL: 4.0±0.02 X 1.0±0.02 inches  
 (101.6±0.5 X 25.4±0.5 mm)
- (2) COLOR of FRONT BEZEL and BUTTON: Black  
 (JSR NC100-9A1840NB UL 94V-0)
- (3) TEXTURE of FRONT BEZEL and BUTTON: Smooth Texture  
 Tanazawa TH-15
- (4) COLOR of IN USE LED: Red
- (5) Refer to Fig.1 for other dimensions.

4. Print Circuit Board

CONDITION of SHORTING PLUG and JUMPER WIRE.  
 Refer to Fig.2 and Table.1.  
 INTERFACE SIGNAL LEVEL: C-MOS

5. Parts Vender List: Refer to Table.2

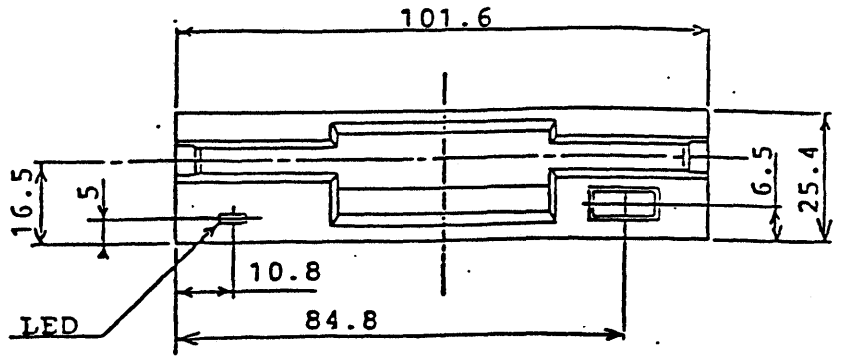
6. Other ELECTRICAL and PHYSICAL SPECIFICATION.  
 Refer to Table.3

7. Refer to STANDARD SPECIFICATION UGD-0527B for other  
 specification.

8. Jumper option  
 Jumper plug type : SR-DC, MM-MS, IS-IU  
 and DRIVE SELECT ( DS0-DS3 )  
 Other jumper settings are chip jumper type.

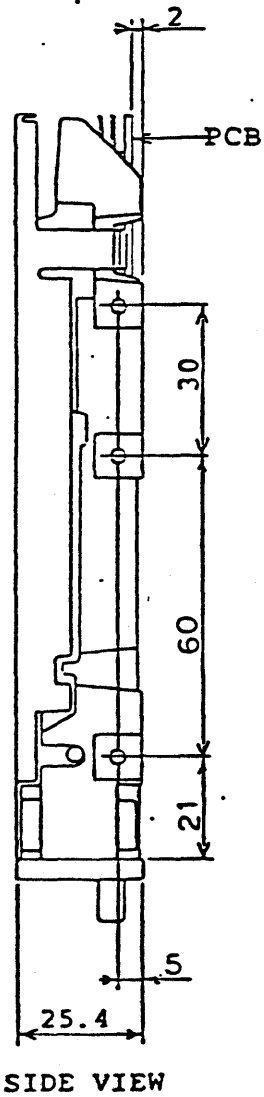


REV.	DESCRIPTION	MODIFIED DATE	APPROVED DATE
PREPARED BY <i>J. Ytr</i>	CHECKED BY <i>T. Fujita</i>	APPR'D BY	DATE
TITLE SPECIFICATION			NUMBER USP-97-155

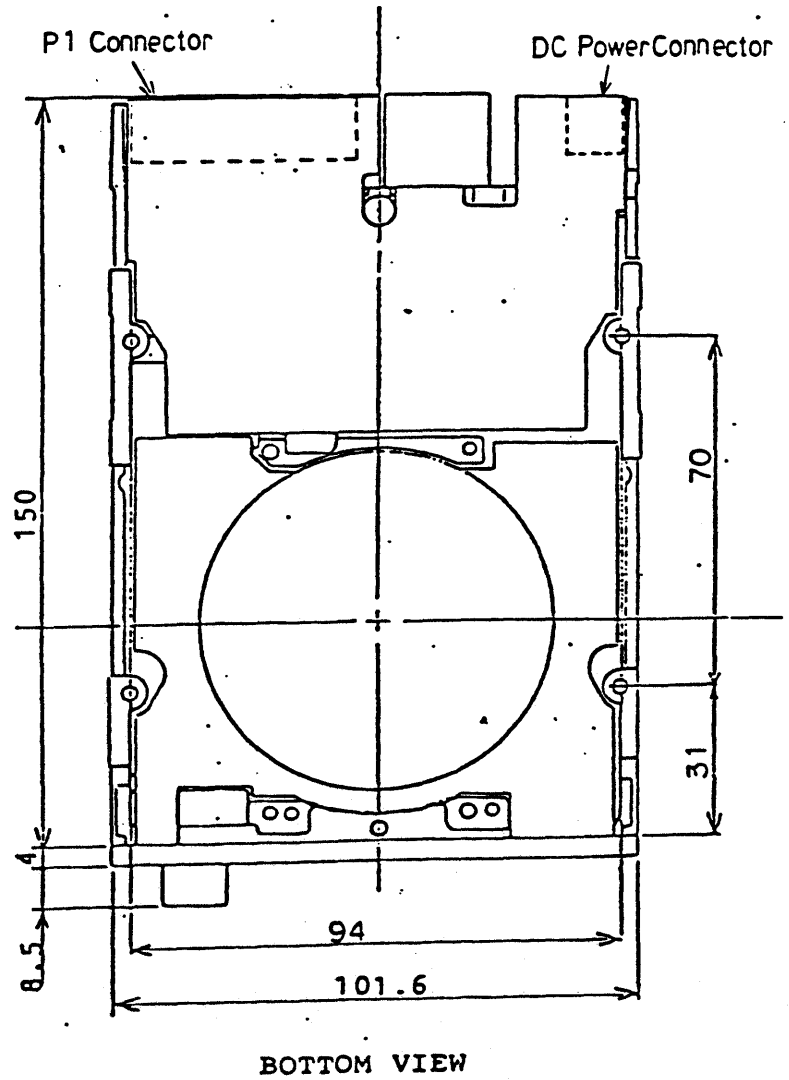


Allowance  $\pm 0.5$

FRONT VIEW(WITH FRONT PANEL)



SIDE VIEW



BOTTOM VIEW

Figure 1 Dimensions of MF355C ( mm )

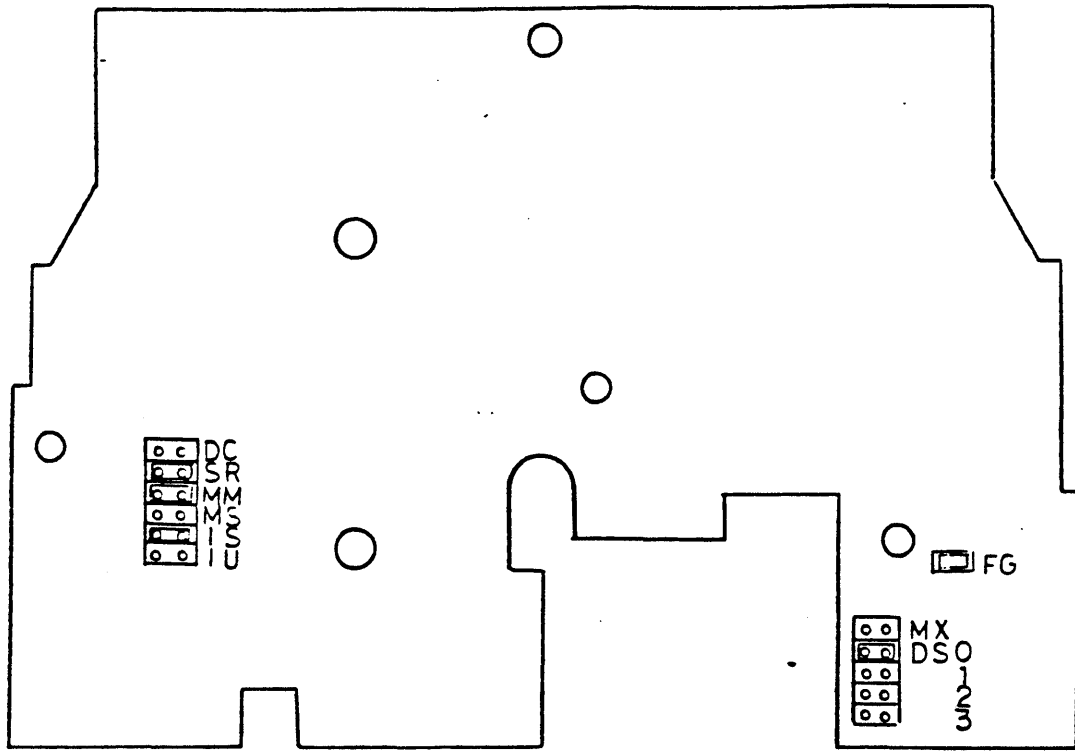


Fig.2 Printed-Circuit Board Trace Location

Table.1 Short Plug and Jumper wire

Panel indicator LED lighting condition IS,IU

		LED lighting condition	
IS	<input type="checkbox"/> IU	Lights up by the IN USE signal.	
<input type="checkbox"/> IS	IU	Lights up by the DRIVE SELECT signal.	*Note(2)

Note:(1) The option name enclosed in a square.shows an insertion of jumper line, and the name not enclosed shows that it is open.

(2) Setting when shipped from the factory

Function	Name	Content's	Setting when shipped from the factory	Plug No.
Selection of drive select	<input type="checkbox"/> DS0	Drive select 0	DS0 <input type="checkbox"/> <input type="checkbox"/>	J 1
	DS1	Drive select 1	DS1 0 0	
	DS2	Drive select 2	DS2 0 0	
	DS3	Drive select F3	DS3 0 0	
Selection of the MOTOR-ON conditions.	<input type="checkbox"/> MM MS	Motor is started by the MOTOR-ON Signal	MM <input type="checkbox"/> <input type="checkbox"/>	J 4
	MM <input type="checkbox"/> MS	Motor is started by the DRIVE SELECT Signal	MS	
Selection of send signals from interface (connector P1)	<input type="checkbox"/> SR DC (DC)	Sends a STANDARD READY signal on pin No.34.	SR <input type="checkbox"/> <input type="checkbox"/> DC	J 2
	SR :DC <input type="checkbox"/> DC	Sends a DISK CHANGE signal on pin No.2.		
	SR <input type="checkbox"/> DC (DC)	Sends a DISK CHANGE signal on pin No.34.		
Frame ground	<input type="checkbox"/> FG	Frame ground and signal ground are shorted.	FG 0-0	JP2
	FG	Frame ground and signal ground are opened.		

Note:(1)  means the plug position when shipped from factory, and 0-0 for Jumper wire shorting.

Table.2 Parts Vender List

Parts	Vender	Vender's Parts Number
Spindle Motor	Mitsubishi Electric	BDR-35AAB-GU1
	Sankyo Seiki	U288Y063H01
Step Motor	Sankyo Seiki	MSDA020C81
	Tohoku Oki Electric	U288Y064H01
I C	NEC	IC-U262P069
	ROHM	IC-BA6580DK
HEAD	Kyushu Matsushita Electric	WY-1102M3
	Mitsubishi Electric	U460C163G01
	Alps Electric	

Table.3

## ELECTRICAL and PHYSICAL SPECIFICATION

ITEM	SPEC		NOTE
	S 0	S 1	
INDEX. TRANSDUCER ALIGNMENT	400 $\mu$ s $\pm$ 400 $\mu$ s	400 $\mu$ s $\pm$ 400 $\mu$ s	(1)
SETTLING TIME	15 ms		
TIME MARGIN	300ns		STANDARD Disk
HEAD RADIAL ALIGNMENT	0 $\pm$ 22 $\mu$ m		(1)
AZIMUTH	0 $^{\circ}$ $\pm$ 21'		(1)
VIBRATION (OPERATING)	0.5G Max	5-100Hz	
VIBRATION (NON OPERATING)	3.0G Max	5-100Hz	
SHOCK (OPERATING)	5G Max	11ms	(2)
SHOCK (NON OPERATING)	50G Max	11ms	(2)

Note (1) MITSUBISHI ALIGNMENT DISK  
MAL-302

(2) SHOCK : HALF SINE WAVE

(3) CONDITION : at 23 $^{\circ}$ C $\pm$ 3 $^{\circ}$ C  
50  $\pm$  5%RH

SPECIFICATION