

FUJITSU Component Thermal Printer FTP-60E Series (8-inch thermal printer)

Fujitsu 24V, 8" high speed, easy loading thermal printer

Overview

The easy loading FTP-60E MCL Series is ultra compact high speed, 24V driven thermal printer, printing on 8-inch wide paper (216mm) where platens are removable. Our original platen removal mechanism improved paper loading and maintenance.

The FTP-60E MCL series can be used for a variety of applications, such as measurement and medical equipment, POS, ticket issuing terminals, label printers, and banking terminals.



FTP-68EMCL101 (lever cap is optional)

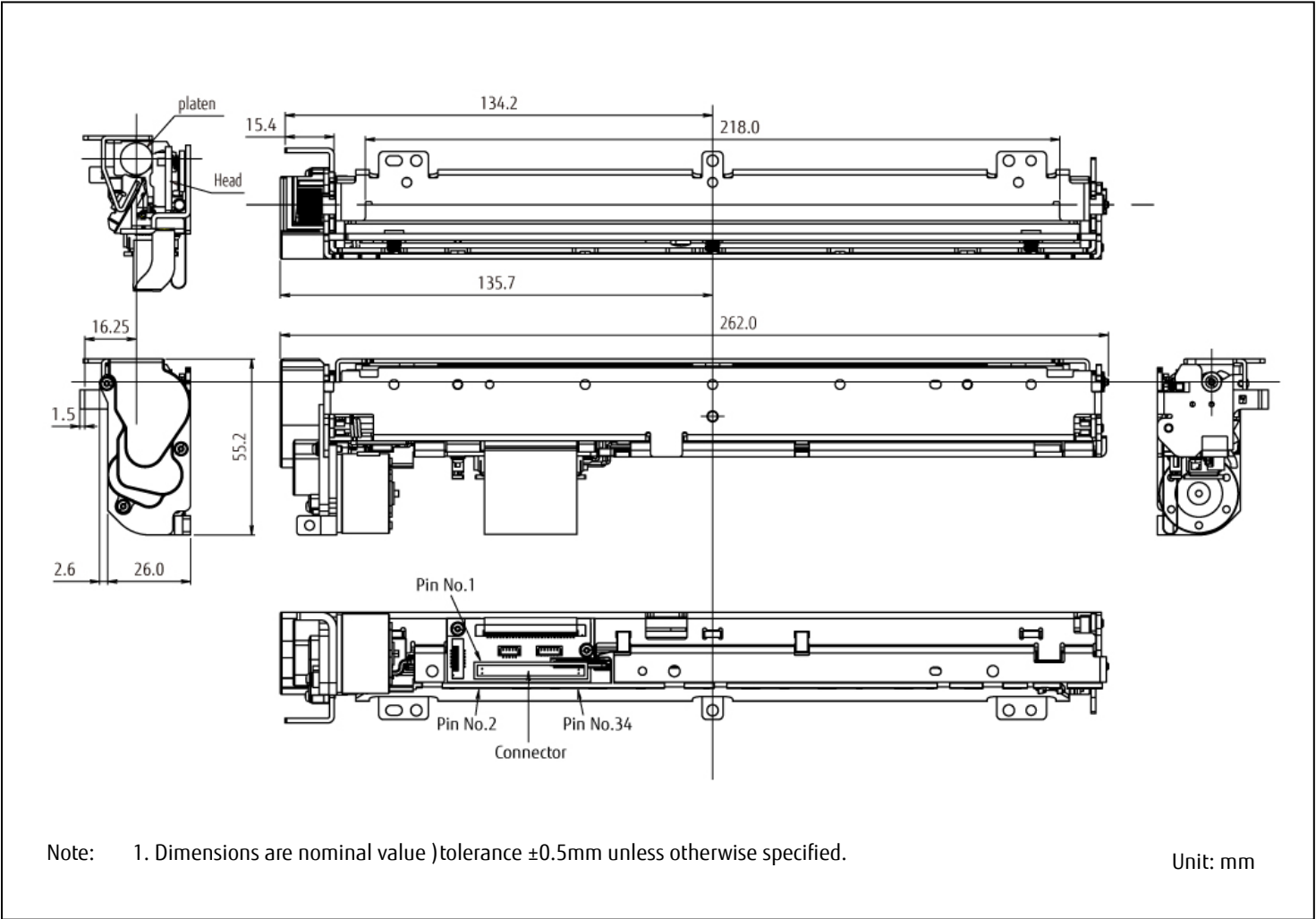
Features

- **Platen open structure**
Paper jam-free / easy maintenance.
- **8-inch (A4) wide paper width**
- **Label paper available**
Straight paper pass
- **High speed printing**
It can print at 80mm/s.
- **RoHS compliant**

Item		Part Number
Printer mechanism		FTP-68EMCL101
Lever cap (optional)		FTP-68EMP0495
LSI for driving		TBA
Interface board		TBA
Item		Specifications
Part number		FTP-68EMCL101
Printing method		Thermal-line dot method
Dot structure		1728 dots/lines (effective printing dot number 1696 dot/lines)
Dot pitch (horizontal)		8 dots/mm
Dot pitch (vertical)		0.125mm line feed pitch
Effective printing area		212 mm
Paper width		216mm
Operating voltage	For print head	24V current 4.4A (288 dots, current peak 8.0A)
	For motor	24V current: 1 phase 0.6A, 2 phase: 0.8A
	For logic	3.3V or 5V, 0.2A maximum
Dimensions	Printer mechanism	262.0 x 55.2 x 26.0mm (WxDxH, except lever)
Weight	Printer mechanism	Approximately 570g
Head life		Pulse resistance: 100 million pulse/dot Abrasion resistance: paper traveling distance 50km (print ratio: 12.5% or less)
Operating environment	Operating temperature*	0°C to 50°C
	Operating humidity	12 to 85% RH
	Storage temperature	-10°C to +60°C
	Storage humidity	5 to 90% RH
Detection function	Head temperature detection	Thermistor
	Paper out / mark detection	Photo sensor
Recommended thermal sensitive paper		High sensitive paper TF50KS-E
		Standard paper PD150R, TF60KS-E
		Medium life storage paper PD170R, TP60KS-F1, P220VBB-1
		Long life storage paper PD160R

*: +5° to +40°C printing density assurance range (-10 to +60°C capability)

- Dimension
- Printer mechanism: 8-inch



■ Printer connector (flexible PT board) PIN arrays

- Relay board side: B34B-PHDSS (LF) (SN) (JST)
Remote side: PHDR-34VS (JST)

No	Signal	I/O	Contents
1	MTMP	I	Motor temperature detection
2	GND	-	Motor temperature detection ground
3	MT_A	I	Transporter motor /A excitation signal
4	MT_A	I	Transporter motor A excitation signal
5	MT_B	I	Transporter motor B excitation signal
6	MT_B	I	Transporter motor /B excitation signal
7	VSEN	I	Paper sensor power
8	PHE	O	Paper sensor out
9	PHK	O	Paper sensor cathode
10	NC	-	Not connected
11	NC	-	
12	NC	-	
13	HUP	O	Platen open detection
14	GND	-	3.3V ground for the platen open sensor
15	VH	I	Thermal head power supply
16	VH	I	
17	DO	O	Thermal head data output

No	Signal	I/O	Contents
18	/LAT	I	Thermal head latch input
19	CLK	I	Thermal head clock
20	VDD	I	Thermal head logic power supply
21	/STB1	I	Head strobe 1 signal
22	/STB2	I	Head strobe 2 signal
23	/STB3	I	Head strobe 3 signal
24	GND	-	Power ground
25	GND	-	
26	GND	-	
27	GND	-	
28	HTMP	O	Thermal head temperature detection
29	/STB4	I	Head strobe 4 signal
30	/STB5	I	Head strobe 5 signal
31	/STB6	I	Head strobe 6 signal
32	DI	I	Thermal head data input
33	VH	I	Thermal head power supply
34	VH	I	

Do not plug or unplug the FPC when power is on.

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