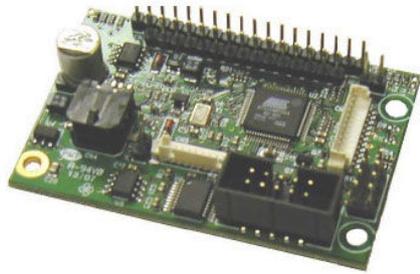


# Mylox MLX-100 Interface for Epson Impact Dot Matrix Mechanisms

The MLX-100 was designed to interface with the Epson M180 and M190 series impact dot matrix miniprinter mechanisms but variants could be developed for interfacing with other printers. A mechanism and interface combination would typically be selected for integration into oem equipment demanding; compact, low cost, low power, printer output. The use of such components inevitably demands more design and development than an external or even panel mounted printer but it becomes cost effective for larger volume production runs or where corporate branding or identity is paramount to the aesthetics of the final product. Impact dot matrix printers would be selected over their thermal counterparts for applications requiring multi-part (2 or even 3 copies) print or where long term archiving of the printout has to be guaranteed.



## Features & Benefits

- Compact size - easily fits into mobile equipment
- RS232 Interface with adjustable baud rate - compatible with most systems
- Alternative control codes - direct replacement for legacy equipment
- Powered by a single 5V DC supply - for low cost, simple installation
- Connections for status LED and paper feed push button - for enhanced user feedback & control

## Manufactured by...



## Options

- Variable voltage power supply board (9 to 35V DC input)
- TTL serial interface version
- Mechanism/PCB interconnecting cable
- Separate LED status board with paper feed push button
- Customisable firmware (contact M-Tech to discuss your requirements)
- Paper 57mm wide by 50mm diameter - MTP057050PR12 (available in boxes of 20 rolls)
- Ink Ribbons - Genuine Epson ERC09

## Applications

- For integration into any oem designed product requiring impact dot matrix printout on ordinary or multi-part paper
- Best option for long term archiving applications

## MLX-100 Specifications

| SPECIFICATION               | MLX-100   |               |               |               |
|-----------------------------|---|---------------|---------------|---------------|
| Mechanisms Supported        | Epson M180  | Epson M183    | Epson M190    | Epson M192    |
| Characters per line         | 24  | 42            | 24            | 40            |
| Print Speed                 | 1.7 lines/sec   | 0.9 lines/sec | 2.5 lines/sec | 1.5 lines/sec |
| Character Size              | 5 x 7 dot matrix  |               |               |               |
| Dimensions (WxDxH)          | 65 x 43 x 13mm  |               |               |               |
| Interface                   | Serial RS-232C (standard), TTL                                |               |               |               |
| Baud Rates                  | 1200, 2400, 4800, 9600 (default), 19200, 38400, 57600, 115200 |               |               |               |
| Data Buffer                 | > 2K bytes  |               |               |               |
| Handshaking                 | Hardware (DTR/CTS), Software (XON/XOFF) or none               |               |               |               |
| Flash programmable features | Baud rate, Sleep function, Inverted text, Handshaking         |               |               |               |
| Operating Voltage           | 4.5 to 5.5 V DC   |               |               |               |
| Power Consumption           | Max 3.0A  |               |               |               |
| Operating Temperature       | 0 to 50°C   |               |               |               |
| Other features              | Mechanism auto detect, self-test function, bit image graphics |               |               |               |

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