

Product Name : Embedded Trainer for Philips 89V51RD2 for Vocational Training and Didactic Labs	Product Code : NPLT-EC039
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Description :

Equipment for Education, Engineering and Vocational Training - CPU: Philips 89V51RD2 Microcontroller

- Six Seven Segment Displays
 - Stepper Motor Controller Interface
 - LCD Display Interface
 - 8x8 LED Interface Block- EWSN Status LED's 12 Nos.
 - 8 Chanel ADC Interface- Four Data Switches
 - Relay- Opto
 - Real Time Clock- Switch Array
 - At24C16 Serial EEPROM
 - RS-232 Interface using Rx/Tx of MCU for uploading/downloading
- Internal Peripheral Features
- On-chip Flash Program Memory with ISP and IAP capability
 - Parallel programming with 87C51 compatible hardware
 - Supports 6-clock/12-clock mode via parallel programmer
 - 6/12-clock mode Flash bit erasable and programmable via ISP
 - 6-clock/12-clock mode programmable "on-the-fly" by SFR bit
 - Peripherals (PCA, timers, UART) may use either 6/12-clock
 - Speed up to 20 MHz with 6-clock cycles per machine cycle
 - Pin to pin study of microcontroller unit
 - Indicators for data, status and control pins
 - Test points available for testing
 - Extention conectors for connecting external circuits
 - Fully static operation
 - RAM expandable externally to 64 kbytes
 - Four interrupt priority levels
 - Seven interrupt sources
 - Four 8-bit I/O ports
 - Full-duplex enhanced UART'
 - Framing erro detection
 - Automatic address recognition
 - Power control modes
 - Clock can be stopped and resumed
 - Idle mode
 - Power down mode

- Programmable clock-out pin
- Second DPTR register
- Asynchronous port reset
- Low EMI (inhibit ALE)
- Programmable Counter Array (PCA)
- PWM
- Capture/compare
- Assembler / 'C' compiler available

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