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

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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