

Product Name : Embedded Trainer for Philips 89V51RD2 for Vocational Training and Didactic Labs	Product Code : 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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