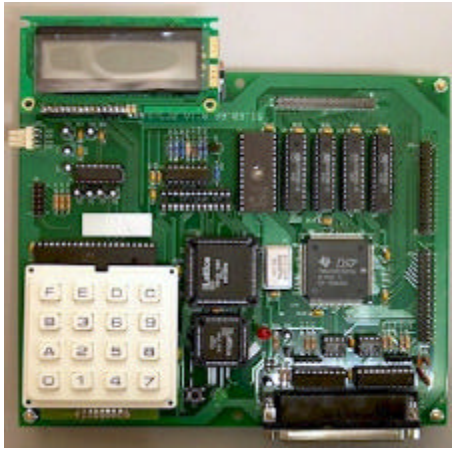


Embedded DSP Controller & PIO Module

Enhance Your Research Ability And Extend Application Field

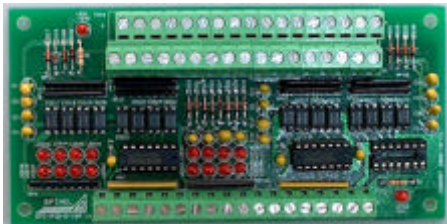


Application Field

DC, Step, Servo, Linear Motion Control
Voice Analysis, Voice Recognizes, TTS, ASR
ASK, FSK, QPSK, QAM Modulation, De-Modulation
Active Noise Canceling, Bridge/ Building Anti-Vibration
Factory Automation Control, Data Collector, Data Log

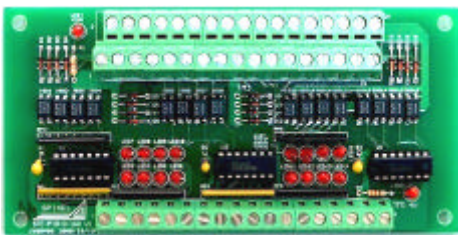
STC-32 Embedded C32 DSP Controller

- *TI C3x DSP CPU, Floating Point, 50MHz
- *32K x 32 SRAM, 32K/64KB EPROM
- *2xADC, 12 bit, 100KHz Sampling Rate, $\pm 10V$ input.
- *2xDAC, 12bit, 100KHz Setting Freq., $\pm 10V$ output.
- *2ch Motion Encoder Input, 24-bit Resolution
- *1 x RS-232C UART Serial IO
- *24 Bit PIO or 16 x 2 LCD, 4 x KeyPad
- *2 x PWM Output, 16bit Resolution
- *2 x Step/DIR or CW/CCW bit output
- *1 x 32 Bit high Density Expansion Connector
- *A0-A22, D0-D15 Expansion Connector
- *XDS-510 JTAG/MPSP for CCS IDE debug.
- *C Function Library, C Example and Manual.
- *Optional STC-PIO, ADC, DAC Module.
- *Size : 196mm (L) x 196 mm (W)



STC-PIO-16A (16 Photo Couple Input)

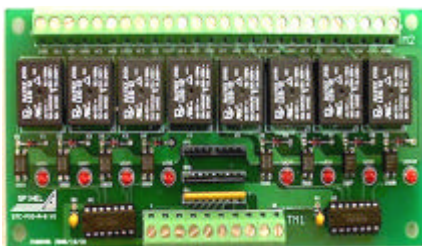
- *16 Bit Photo Couple 0-24 VDC Input
- *Output 5V (TTL) or 12V(CMOS)
- *16 Pilot LED and 2 Power LED
- *DIN Rail Specification
- *Size : 147mm (L) x 77mm (W)



STC-PIO-16D

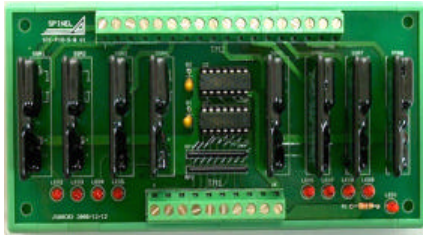
(16 Photo Couple Open Collect Output)

- *16 Bit 5V or 12V input, Photo Couple,
- *Open Collect (0-24V) Output
- *16 Pilot LED and 2 Power LED
- *DIN Rail Specification
- *Size : 147mm (L) x 77mm (W)



STC-PIO-R-8 (8 Relay Output)

- *8 Bit Photo Couple Input, 5V/12V
- *8 Relay Output, N.O., N.C., COM, 240VAC/7A.
- *DIN Rail Specification
- *Size : 158mm (L) x 77mm (W)



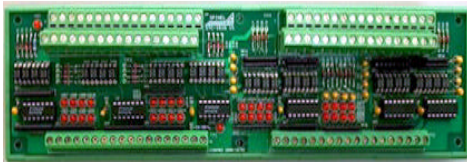
STC-PIO-S-8(8SolidStateRelay-SSROutput)

- * 8Bit5V/12VInput
- * 8SSROutput,90-240VAC/4A
- * DINRailSpecification
- * Size : 158mm (L) x 77mm (W)



STC-ISA-MOT-4(4AxisMotion Controller)

- * PCBaseISABus4AxisMotionController
- * 4AxisStep,ServeMotorSimulatanceControl
- * 4x24BitEncoder(A,B,Z),4TimesResolution
- * 8BitPhotoCoupleInput,1KHz(0-15V)
- * 16-Bit PhotoCoupleOutput,1KHz
- * 1xProgrammableTimer,65Hz~15KHz
- * Turbo C, VC, VB, Labwindows&BCBlibrary
- * AvailableforDOS,Win95/98,WinNT/2000O.S.



STC-PIO-16A16D (Photo Couple Input/ Output)

- * 16 Bit Photo Couple Input (5V/12V) (In)
- * Open Collect Output (0-24VDC)
- * 16 Bit Photo Couple Input (0-24VDC) (Out)
- * 5V(TTL)/12V(CMOS) Output
- * 32 Pilot LED, 2 Power LED
- * DIN Rail Specification
- * Size : 273mm (L) x 77mm (W)



STC-4AD4DA (ADC/DAC/PIO/MIC Module)

- * 4 x ADC, 250KHz Sampling Rate, 12Bit, ±10V Input
- * 4 x DAC, 100KHz Setting frequency, 12bit, ±10V Output
- * 4 x Mic-Phone Pre-AMP Input, Offset/Gain Adjustable.
- * 24 Bit TTL PIO, Direction Programmable
- * Available for STC-32 DSP Embedded Controller
- * Size : 197mm (L) x 101mm (W)



DSP Debug Tools (DSP HW/SW Debug tools)

- * TI C Compiler, Assembler, Linker Software
- * TI Code Composer IDE Debug Software
- * XDS-510 JTAG /MPSD Emulator
- * Available for C3x, C5x, C6x, C67x DSP CPU
- * Support ISA Bus, PCI Bus, Printer Port



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