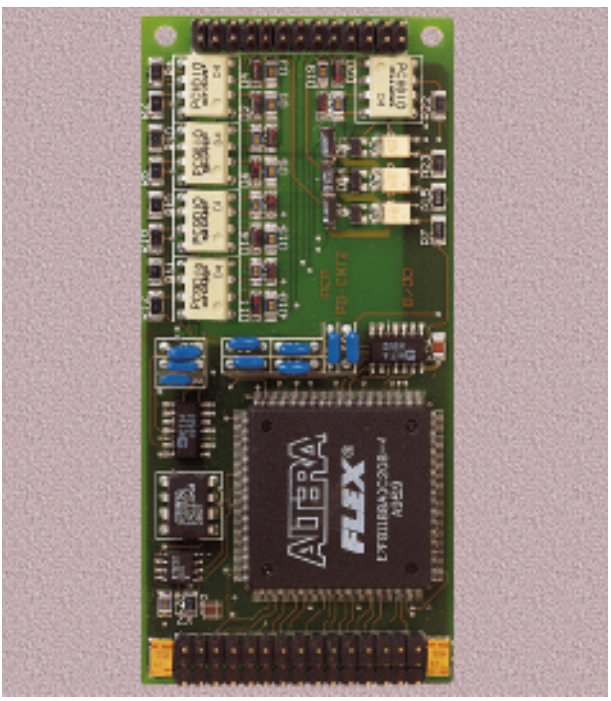
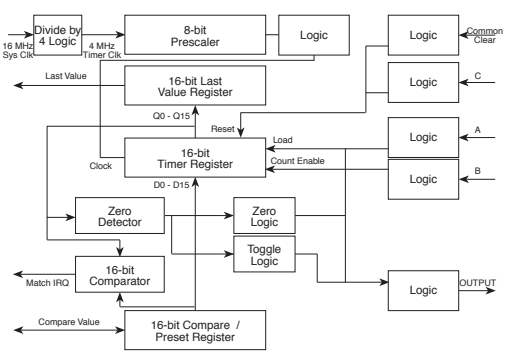
MODPACK ANALOG & DIGITAL I/O

PB-TIM2

MODPACK with 3 Independent Optoisolated 16+8-Bit Timers





Characteristics

Function:	3 independent optoisolated 16+8-bit timers
Input Voltage:	5V DC, 12V/15V DC or 24V DC
Switching Level:	1.55V, 6.7V or 15.1V respectively
Input Current:	15mA (typ.)
Input Frequency:	Up to 300kHz (default filter setting)
Slew Rate:	>10 mV/s

Output

Function:	1 digital 24V DC/200mA output per timer for comparator match with inductive load protection
Output Frequency:	Up to 10kHz

Common

Isolation:	1500V DC between I/O and system; 100V DC between inputs
Interrupt Character.:	Level or edge sensitive
Timer Architecture:	16-bit synchronous with 16-bit preset register, comparator, zero detect register, last value register and 8-bit prescaler
Timer Frequency:	4 MHz (250 ns) prescaler input
Power Cons.:	85mA/5V (min.), 150mA/5V (max.)
Temp. Ranges:	0°C to +70°C -40°C to +85°C (opt. E2) -55°C to +85°C (storage)
Humidity:	5% to 95% non-condensing

An optoisolated general-purpose 3-channel 16-bit timer (or one 32-bit cascaded timer and one 16-bit timer) plus 8-bit prescaler module with 9 operational modes, software configurable functionality, inductive load and reverse polarity protection. Nine counter modes (Hard/Soft Single Shot, Tick, Period/Frequency Measurement, Square Wave Generation, PWM (requiring 2 channels), Edge Sampling and Event Signal Duration) are supported that allow the timer to be read transparently with continuous comparisons being made between the actual value and a previously set reference or zero. Interrupts can be generated and serviced depending on a variety of input/output conditions and may be programmed to be edge or level sensitive.

Product	Description	Order No.
PB-TIM2	ModPack with 3 independent multifunction 16+8-bit timers each with 3 optoisolated 24V DC inputs and 1 optoisolated 24V DC output	**13745**
PB-TIM2	As order no. 13745 but with 12V/15V DC filtered inputs	**13746**
PB-TIM2	As order no. 13745 but with 5V DC filtered inputs	**13747**

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