Racal Instruments

http://www.racalinstruments.com

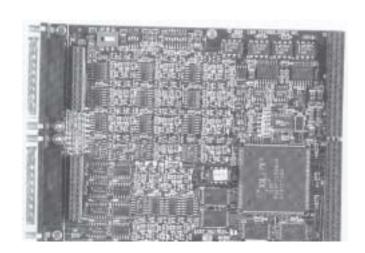
PRODUCT INFORMATION

This product is manufactured by C&H Technologies, Inc. and exclusively distributed by Racal Instruments, Inc.

16-Channel Digital Word **Generator/Timing Simulator** Model MA202

The MA202 is a 16 channel digital word generator and timing simulator module that outputs timing data at a rate up to 10 MHz. A special mode allows limited operation up to 20 MHz. As a digital word generator (DWG), the MA202 can generate a serial train of parallel output words at a fixed output clock rate. As a timing simulator (TS), the MA202 can produce almost any conceivable asynchronous digital signal within the 100 ns resolution. Pattern memory is 32 k words.

The MA202 is part of a replacement solution for the obsolete Interface Technology RS648.



Functions Performed

Digital word generator (DWG) Timing simulator (TS)

Output Characteristics

16 Channels all tri-stateable or DWG 8 Channels tri-stateable or 16 Channels nontri-stateable for TS Synchronized Output Signal Channel outputs are TTL compatible with I $_{OL}$ =64 mA & I $_{OH}$ = -15 mA

Pattern Rate (max)

10 MHz (20 MHz special mode)

Resolution

0.186 Hz

User selectable clock sources

On board programmable to 10 MHz External clock input Backplane trigger

SPECIFICATIONS

Dynamic Update Capability

Allows varying selected parameter onthe-fly

Operating Modes

Single or fixed number of Cycles Continuous Cycle

External Inputs

Trigger/Gate and Clock TTL, CMOS or 0 V Threshold High Z (>100 K Ω) or 50 Ω

Interrupt

End of each loop in Continuous Mode End of specified number of cycles in Fixed Cycle Mode

Temperature

Operating: 0° C to 50° C Storage: -40° C to 70° C

Power

+5 V @ 500 mA +12 V @100 mA -12V @ 80 mA

M-Module Compliance

Complies with ANSI/VITA Std. 12-1996 for doublewide MA-Modules

Data Transfers: 16 bit Interrupts: INTC Triggers:

> TrigA & TrigB compatible with VXI, VME, PC, cPCI and other M-Module carriers.

Applications

Digital word generator Timing simulator Multi-channel synchronous PG Spark plug/Injector firing signals

Ordering Information

Part Number: 11027520-0001



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