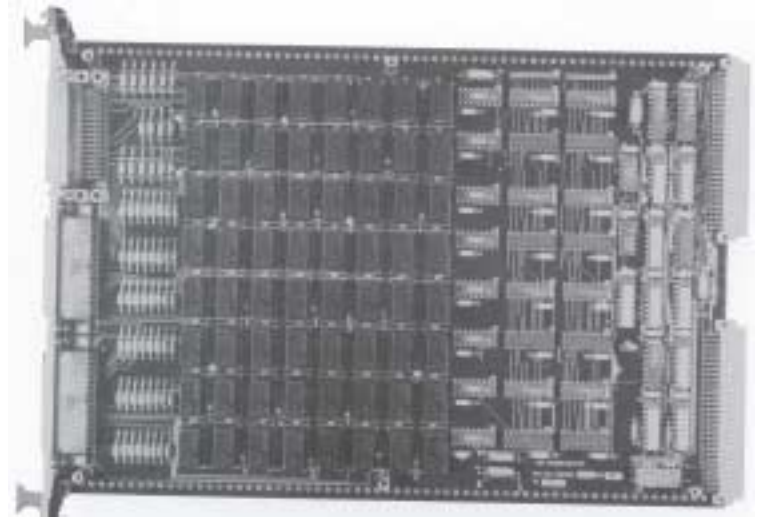


This product is manufactured by C&H Technologies, Inc.  
and exclusively distributed by Racal Instruments, Inc.

## SPST plus Switching Module Model VX414C

The VX414C 16/48-Channel Switching Module is a C size, register-based switching card that provides 16 channels of SPST (Form A) switching and 48 channels of SPDT (Form C) switching. The 16 Form A channels are rated for up to 5 Amps and the 48 Form C channels are rated for up to 2 Amps. MODID and Board Select indicators are included. Module is equipped with BIT capability and shielding.



### SPECIFICATIONS

#### Maximum Input Voltage

Terminal to Terminal: 250 VDC or  $AC_{rms}$   
Terminal to Chassis: 250 VDC or  $AC_{rms}$

#### Maximum Switchable Voltage

110 VDC, 250 VAC $_{rms}$

#### Maximum Switchable Current (DC or AC $_{rms}$ )

Form A: 5 A (125 VAC, 30 VDC)  
Form C: 2 A (125 VAC, 30 VDC)

#### Maximum Switchable Power

Form A: 625 VA  
Form C: 250 VA

#### Closed Channel Resistance

Initially  $\leq 0.1 \Omega$

#### Insulation Resistance (Between any two points)

$>10^8 \Omega$

#### Relay Life (operations)

At rated Load:  $1 \times 10^7$

#### Relay Operate Time

6 ms (typical)

#### Relay Release Time

4 ms (typical)

#### Power Up/Down States

Normally open contact is open

#### Connectors-D-Type Receptacle

Form A: One AMP HD-22 50-pin  
Form C: Two AMP HD-22 78-pin

#### Power

+5 V @ 1.0 A typical  
+12 V @ 1.5 A typical

#### VXIbus Compliance

Complies with ANSI/IEEE Std.  
1014-1987 and VXIbus Rev  
1.4

A16:D16 DTB Slave

Register-based

No Interrupts

IACKIN tied to IACKOUT

BRX tied to BGX

Form Factor: Size C

Built-in test via register feedback

#### Applications

Power switching

Control

LF signal

#### Ordering Information

Part Number: 11027680-0001