

# Function List for Hypersignal Block Diagram and Hypersignal RIDE

Block Functions contained in Block Diagram Academic Edition, Block Diagram  
Standard Edition, RIDE Academic Edition, RIDE Standard Edition

Tuesday, May 26, 1998

## Datel Library

| <b>Datel PC-420 Functions</b> | <i>Block Diagram</i>    | <i>Block Diagram</i>    | <i>RIDE</i>             | <i>RIDE</i>             |
|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <u>Menu Name</u>              | <i>Academic Edition</i> | <i>Standard Edition</i> | <i>Academic Edition</i> | <i>Standard Edition</i> |

|                     |                                     |                                     |                                     |                                     |
|---------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| PC-420 DAC Function | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|---------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|

| <b>Datel PCI-416 Functions</b> | <i>Block Diagram</i>    | <i>Block Diagram</i>    | <i>RIDE</i>             | <i>RIDE</i>             |
|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <u>Menu Name</u>               | <i>Academic Edition</i> | <i>Standard Edition</i> | <i>Academic Edition</i> | <i>Standard Edition</i> |

|                                 |                                     |                                     |                                     |                                     |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| PCI-416 A/D Conversion          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 A/D using Bus Mastering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 A/D with File Write     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Board Information       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Board Master Control    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 DAC Analog Output       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Digital Input (Octal)   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Digital Input (Single)  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Digital Output (Octal)  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Digital Output (Single) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Digital Output Toggle   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 LED Control             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 LED Toggle              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Raw A/D Conversion      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Recorder                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PCI-416 Software Trigger        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

| <b>RT PCI431 Hardware Functions</b> | <i>Block Diagram</i>    | <i>Block Diagram</i>    | <i>RIDE</i>             | <i>RIDE</i>             |
|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <u>Menu Name</u>                    | <i>Academic Edition</i> | <i>Standard Edition</i> | <i>Academic Edition</i> | <i>Standard Edition</i> |

|                           |                          |                          |                                     |                                     |
|---------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| ADW-12A 1-channel A/D     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ADW-12A A/D Analog Module | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ADW-12A BusMaster A/D     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

## Image Processing Library

| <b>Displays</b>  | <i>Block Diagram</i>    | <i>Block Diagram</i>    | <i>RIDE</i>             | <i>RIDE</i>             |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <u>Menu Name</u> | <i>Academic Edition</i> | <i>Standard Edition</i> | <i>Academic Edition</i> | <i>Standard Edition</i> |

|             |                          |                                     |                          |                                     |
|-------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| RGB Display | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|-------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|

| <b>File I/O Functions</b> | <i>Block Diagram</i>    | <i>Block Diagram</i>    | <i>RIDE</i>             | <i>RIDE</i>             |
|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <u>Menu Name</u>          | <i>Academic Edition</i> | <i>Standard Edition</i> | <i>Academic Edition</i> | <i>Standard Edition</i> |

|          |                          |                                     |                          |                                     |
|----------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| BMP Read | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|

| <b>Image Generators</b> | <i>Block Diagram</i>    | <i>Block Diagram</i>    | <i>RIDE</i>             | <i>RIDE</i>             |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <u>Menu Name</u>        | <i>Academic Edition</i> | <i>Standard Edition</i> | <i>Academic Edition</i> | <i>Standard Edition</i> |

|                         |                          |                                     |                          |                                     |
|-------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Color Pattern Generator | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|-------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|

## Instrumentaion Library

| <b>Indicators</b> | <i>Block Diagram</i>    | <i>Block Diagram</i>    | <i>RIDE</i>             | <i>RIDE</i>             |
|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <u>Menu Name</u>  | <i>Academic Edition</i> | <i>Standard Edition</i> | <i>Academic Edition</i> | <i>Standard Edition</i> |

|     |                          |                                     |                          |                                     |
|-----|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| LED | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|-----|--------------------------|-------------------------------------|--------------------------|-------------------------------------|

## Instrumentation Library

### Front Panels

| <i>Menu Name</i>   | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|--------------------|---|---|----------------------------------|-------------------------------------|
| Bitmap Display     | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Function Generator | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

### Indicators

| <i>Menu Name</i>     | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|----------------------|---|---|----------------------------------|-------------------------------------|
| Horizontal Bar Graph | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| LED Meter            | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Numeric Indicator    | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Vertical Bar Graph   | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

### Input Devices

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|----------------------------------|-------------------------------------|
| DTMF Keypad      | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| LED Button       | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

### Knobs

| <i>Menu Name</i>        | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|-------------------------|---|---|-------------------------------------|-------------------------------------|
| CD Knob                 | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| General Knob            | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Time Sweep Control Knob | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Vertical Scaling Knob   | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

### Switches

| <i>Menu Name</i>             | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|------------------------------|---|---|----------------------------------|-------------------------------------|
| Command Switch               | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Five Position Toggle Switch  | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Three Position Toggle Switch | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Two Position Toggle Switch   | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

## Matrix Library

### Conversion Functions

| <i>Menu Name</i>       | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|------------------------|---|---|----------------------------------|-------------------------------------|
| 1D to Matrix Converter | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Matrix to 1D Converter | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

### Matrix Arithmetic

| <i>Menu Name</i>   | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|--------------------|---|---|----------------------------------|-------------------------------------|
| Matrix Addition    | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Matrix Invert      | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Matrix Multiply    | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Matrix Scale       | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Matrix Subtraction | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

### Matrix Generators

| <i>Menu Name</i>                 | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|----------------------------------|---|---|----------------------------------|-------------------------------------|
| Matrix Generator by manual entry | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

### Matrix Information

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|----------------------------------|-------------------------------------|
| Matrix Order     | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

## Real-time Drivers

**TI DSP-based Drivers****Menu Name*****Block Diagram  
Academic Edition******Block Diagram  
Standard Edition******RIDE  
Academic Edition******RIDE  
Standard Edition***

Innovative Integration PC32 Driver

☐☐☒☒**Real-time Library****RT Arithmetic Functions****Menu Name*****Block Diagram  
Academic Edition******Block Diagram  
Standard Edition******RIDE  
Academic Edition******RIDE  
Standard Edition***

RT Absolute Value

☐☐☒☒

RT Add

☐☐☒☒

RT Complex to Real

☐☐☒☒

RT Differentiate

☐☐☒☒

RT Divide

☐☐☒☒

RT Exponential

☐☐☒☒

RT Five Input Add

☐☐☒☒

RT Four Input Add

☐☐☒☒

RT Integrate

☐☐☒☒

RT Invert

☐☐☒☒

RT Log

☐☐☒☒

RT Log 10

☐☐☒☒

RT Modulus

☐☐☒☒

RT Multiply

☐☐☒☒

RT Raise to Power

☐☐☒☒

RT Reciprocal

☐☐☒☒

RT Six Input Add

☐☐☒☒

RT Square

☐☐☒☒

RT Square Root

☐☐☒☒

RT Subtract

☐☐☒☒

RT Sum

☐☐☒☒

RT Three Input Add

☐☐☒☒**RT Communications Functions****Menu Name*****Block Diagram  
Academic Edition******Block Diagram  
Standard Edition******RIDE  
Academic Edition******RIDE  
Standard Edition***

RT AGC

☐☐☒☒

RT dB Amplitude

☐☐☐☒

RT dB Power

☐☐☐☒

RT Fixed Offset

☐☐☒☒

RT Gain

☐☐☒☒

RT Gate Inverter

☐☐☐☒

RT Loop Filter

☐☐☐☒

RT NCO

☐☐☐☒

RT Rectify

☐☐☐☒

RT Spectral Inversion

☐☐☒☒

RT Strobe

☐☐☒☒**RT Companding****Menu Name*****Block Diagram  
Academic Edition******Block Diagram  
Standard Edition******RIDE  
Academic Edition******RIDE  
Standard Edition***

RT A-87.6 Decode

☐☐☐☒

RT A-87.6 Encode

☐☐☐☒

RT u-255 Decode

☐☐☐☒

RT u-255 Encode

☐☐☐☒**RT Comparison Functions****Menu Name*****Block Diagram  
Academic Edition******Block Diagram  
Standard Edition******RIDE  
Academic Edition******RIDE  
Standard Edition***

RT Equal

☐☐☐☒

RT Frame Threshold Counter

☐☐☐☒

RT Global Threshold Counter

☐☐☐☒

RT Greater

☐☐☐☒

|                                |                                |                                |                                     |                                     |
|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|-------------------------------------|
| RT Greater or Equal            | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT In Range                    | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Less                        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Less Or Equal               | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Not Equal                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Out Range                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Threshold                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>RT Data Transfers</b>       | <i>Block Diagram</i>           | <i>Block Diagram</i>           | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u><i>Menu Name</i></u>        | <u><i>Academic Edition</i></u> | <u><i>Standard Edition</i></u> | <u><i>Academic Edition</i></u>      | <u><i>Standard Edition</i></u>      |
| RT DSP to PC Upload            | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Memory Dump                 | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT PC to DSP Download          | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Digital Logic</b>        | <i>Block Diagram</i>           | <i>Block Diagram</i>           | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u><i>Menu Name</i></u>        | <u><i>Academic Edition</i></u> | <u><i>Standard Edition</i></u> | <u><i>Academic Edition</i></u>      | <u><i>Standard Edition</i></u>      |
| RT 1 to 2 Demultiplexer        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT 1 to 4 Demultiplexer        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT 2 to 1 Multiplexer          | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT 4 to 1 Multiplexer          | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>RT DSP Functions</b>        | <i>Block Diagram</i>           | <i>Block Diagram</i>           | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u><i>Menu Name</i></u>        | <u><i>Academic Edition</i></u> | <u><i>Standard Edition</i></u> | <u><i>Academic Edition</i></u>      | <u><i>Standard Edition</i></u>      |
| RT Accumulate                  | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Autocorrelation             | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Biquad                      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Center Clip                 | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Clip                        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Correlation                 | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Decimate                    | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Double-Sided Magnitude      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Double-Sided Phase          | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT FIR Filter                  | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Fixed HPF                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Fixed LPF                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Frequency Zoom              | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT IIR Filter                  | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Interpolate                 | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Magnitude                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Magnitude Optimized for C3x | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Phase                       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Power Spectrum              | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Scale                       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Effects</b>              | <i>Block Diagram</i>           | <i>Block Diagram</i>           | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u><i>Menu Name</i></u>        | <u><i>Academic Edition</i></u> | <u><i>Standard Edition</i></u> | <u><i>Academic Edition</i></u>      | <u><i>Standard Edition</i></u>      |
| RT Notch Filter                | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Variable Notch Filter       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>RT Execution Control</b>    | <i>Block Diagram</i>           | <i>Block Diagram</i>           | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u><i>Menu Name</i></u>        | <u><i>Academic Edition</i></u> | <u><i>Standard Edition</i></u> | <u><i>Academic Edition</i></u>      | <u><i>Standard Edition</i></u>      |
| RT Stop on Frame Count         | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Frame Functions</b>      | <i>Block Diagram</i>           | <i>Block Diagram</i>           | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u><i>Menu Name</i></u>        | <u><i>Academic Edition</i></u> | <u><i>Standard Edition</i></u> | <u><i>Academic Edition</i></u>      | <u><i>Standard Edition</i></u>      |
| RT Buffer                      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Concatenate                 | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Dynamic Frame Pad           | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Extract Sample              | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

|                                    |                          |                          |                                     |                                     |
|------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| RT Frame Count                     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Frame Delay                     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Pad                             | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Replace Sample                  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Reverse                         | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Rotate                          | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Search                          | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Shift                           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Split                           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Spool                           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Subset                          | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Triggered Buffer                | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT General Functions</b>        | <i>Block Diagram</i>     | <i>Block Diagram</i>     | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                   | <u>Academic Edition</u>  | <u>Standard Edition</u>  | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| RT Delay                           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Delay (w/Initial Value)         | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Variable Delay                  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Logical Functions</b>        | <i>Block Diagram</i>     | <i>Block Diagram</i>     | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                   | <u>Academic Edition</u>  | <u>Standard Edition</u>  | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| RT 4 Input AND                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT 4 Input OR                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Decimal to Binary               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Logical AND                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Logical NAND                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Logical NOR                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Logical NOT                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Logical OR                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Logical XOR                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>RT Multi Channel</b>            | <i>Block Diagram</i>     | <i>Block Diagram</i>     | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                   | <u>Academic Edition</u>  | <u>Standard Edition</u>  | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| RT Interleave 2 Channels           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Interleave 3 Channels           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Interleave 4 Channels           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Interleave 5 Channels           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Separate 2 Channels             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Separate 3 Channels             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Separate 4 Channels             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Separate 5 Channels             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>RT PCI44 Hardware Functions</b> | <i>Block Diagram</i>     | <i>Block Diagram</i>     | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                   | <u>Academic Edition</u>  | <u>Standard Edition</u>  | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| IP DAC                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>RT Signal Generators</b>        | <i>Block Diagram</i>     | <i>Block Diagram</i>     | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                   | <u>Academic Edition</u>  | <u>Standard Edition</u>  | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| RT Constant Generator              | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Cosine Generator                | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Gaussian Noise Generator        | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Gen. Gauss. Noise Generator     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Impulse Noise Generator         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Noise Generator                 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Pulse Train Generator           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Quadrature Oscillator           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Ramp Generator                  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Sine Generator                  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Square Wave Generator           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

|                                 |                                |                                |                                     |                                     |
|---------------------------------|--------------------------------|--------------------------------|-------------------------------------|-------------------------------------|
| RT Sweep Generator              | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Triangle Generator           | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Unit Impulse Generator       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Variable Sine Generator      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Speech Functions</b>      | <b><i>Block Diagram</i></b>    | <b><i>Block Diagram</i></b>    | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><i>Menu Name</i></b>         | <b><i>Academic Edition</i></b> | <b><i>Standard Edition</i></b> | <b><i>Academic Edition</i></b>      | <b><i>Standard Edition</i></b>      |
| RT ADPCM Decoder                | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT ADPCM Encoder                | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Linear Predictive Coding     | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>RT Statistical Functions</b> | <b><i>Block Diagram</i></b>    | <b><i>Block Diagram</i></b>    | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><i>Menu Name</i></b>         | <b><i>Academic Edition</i></b> | <b><i>Standard Edition</i></b> | <b><i>Academic Edition</i></b>      | <b><i>Standard Edition</i></b>      |
| RT Covariance                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Event Counter                | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Frame Maximum                | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Frame Minimum                | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Frame Standard Deviation     | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Frame Variance               | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Frame Zero Crossings         | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Global Maximum               | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Global Mean                  | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Global Minimum               | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Global Variance              | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Global Zero Crossings        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Mean                         | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Peak Extractor               | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Peak Hold                    | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Root Mean Square             | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Sort                         | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Transforms</b>            | <b><i>Block Diagram</i></b>    | <b><i>Block Diagram</i></b>    | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><i>Menu Name</i></b>         | <b><i>Academic Edition</i></b> | <b><i>Standard Edition</i></b> | <b><i>Academic Edition</i></b>      | <b><i>Standard Edition</i></b>      |
| RT DFT                          | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT FFT                          | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT FFT Optimized for C3x        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Four Freq. Goertzel          | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Goertzel Algorithm           | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Inverse FFT                  | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Trig Functions</b>        | <b><i>Block Diagram</i></b>    | <b><i>Block Diagram</i></b>    | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><i>Menu Name</i></b>         | <b><i>Academic Edition</i></b> | <b><i>Standard Edition</i></b> | <b><i>Academic Edition</i></b>      | <b><i>Standard Edition</i></b>      |
| RT ArcCos(x)                    | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT ArcSin(x)                    | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT ArcTan(x)                    | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Arctanq(x)                   | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Cos(x)                       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Cosh(x)                      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Cot(x)                       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Sin(x)                       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Sinc(x)                      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Sinh(x)                      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Tan(x)                       | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Tanh(x)                      | <input type="checkbox"/>       | <input type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>RT Wavelet Functions</b>     | <b><i>Block Diagram</i></b>    | <b><i>Block Diagram</i></b>    | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><i>Menu Name</i></b>         | <b><i>Academic Edition</i></b> | <b><i>Standard Edition</i></b> | <b><i>Academic Edition</i></b>      | <b><i>Standard Edition</i></b>      |
| RT Daub4                        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Daub6                        | <input type="checkbox"/>       | <input type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**RT Window Functions**

| <i>Menu Name</i>   | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|--------------------|---|---|-------------------------------------|-------------------------------------|
| RT Bartlett Window | <input type="checkbox"/>                  | <input type="checkbox"/>                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Blackman Window | <input type="checkbox"/>                  | <input type="checkbox"/>                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Gauss Window    | <input type="checkbox"/>                  | <input type="checkbox"/>                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Hamming Window  | <input type="checkbox"/>                  | <input type="checkbox"/>                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RT Kaiser Window   | <input type="checkbox"/>                  | <input type="checkbox"/>                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| RT Welch Window    | <input type="checkbox"/>                  | <input type="checkbox"/>                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Simulation Library****(Filter Design)**

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|-------------------------------------|-------------------------------------|
| BUTWTH.DLL       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| CHEBYI.DLL       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| CHEBYII.DLL      | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ELLIPTIC.DLL     | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| FILTER.EXE       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| FKAISER.DLL      | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| MCCLELLN.DLL     | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

**(Help System)**

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|-------------------------------------|-------------------------------------|
| BDTUTOR.HLP      | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BLKFUNC.HLP      | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BLOCK.HLP        | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PRODINFO.HLP     | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

**(System DLL)**

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|-------------------------------------|-------------------------------------|
| ANAMETER.DLL     | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| BDDK.DLL         | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| FADER.DLL        | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| HDISP1.DLL       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| HDISPLAY.DLL     | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| KNOB.DLL         | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| METER.DLL        | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**(System Files)**

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|-------------------------------------|-------------------------------------|
| FILEIO.INI       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

**(System Functions)**

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|-------------------------------------|-------------------------------------|
| ASCHEX.FIO       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ASCII.FIO        | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BINDBL.FIO       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BINFLT.FIO       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BININT.FIO       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BINSWP.FIO       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| HSW.FIO          | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| WAVE.FIO         | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| WAVEPACK.FIO     | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

**Arithmetic Functions**

| <i>Menu Name</i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i>    | <i>RIDE<br/>Standard Edition</i>    |
|------------------|---|---|-------------------------------------|-------------------------------------|
| Absolute Value   | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Add              | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

|                                    |                                     |                                     |                                     |                                     |
|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Complex Conjugate                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Complex to Real                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| dB Amplitude                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| dB Power                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Difference Equation                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Differentiate                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Divide                             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Exponential                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Five Input Add                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Four Input Add                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Variable                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Integrate                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Log                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Log10                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Logx(y)                            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Modulus                            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Multiply                           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Polar to Rectangular               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Pow                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Product                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Real to Complex                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Reciprocal                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Rectangular to Polar               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Square                             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Square Root                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Static Array (buffer)              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Subtract                           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sum                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Three Input Add                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Bit Conversion Functions</b>    | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <i>Menu Name</i>                   | <i>Academic Edition</i>             | <i>Standard Edition</i>             | <i>Academic Edition</i>             | <i>Standard Edition</i>             |
| Bit Mask                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Bit Reverse                        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Ones Complement                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Pack - Incomplete                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Shift Left                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Shift Right                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Unpack - Incomplete                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Character Functions</b>         | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <i>Menu Name</i>                   | <i>Academic Edition</i>             | <i>Standard Edition</i>             | <i>Academic Edition</i>             | <i>Standard Edition</i>             |
| Convert Character to String        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Convert Number to Character String | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Find Substring                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Generate Character String          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Communications Functions</b>    | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <i>Menu Name</i>                   | <i>Academic Edition</i>             | <i>Standard Edition</i>             | <i>Academic Edition</i>             | <i>Standard Edition</i>             |
| 1st Order Butterworth Filter       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| AGC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Averaged Periodogram               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| BER                                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Channel Perturber                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Fixed Offset                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gain                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Integrate and Dump                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Leaky LMS Adaptive Filter          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |



|                                |                                     |                                     |                                     |                                     |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| LMS Adaptive Filter            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Loop Filter                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| NCO                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Periodogram                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Phase Decoder                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Phase Locked Loop              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Rectify                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Spectral Inversion             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Strobe                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Companing</b>               | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>        | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| A-87.6 Decode                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| A-87.6 Encode                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| u-255 Decode                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| u-255 Encode                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Conditional Operators</b>   | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>        | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| Equal                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Greater Than                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Greater Than / Equal           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| IF-ELSE/COUNTER                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| In Range                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Less Than                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Less Than / Equal              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Loop Counter                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Not                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Not Equal                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Digital Logic</b>           | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>        | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| 1 to 2 Demultiplexer           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 1 to 4 Demultiplexer           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2 to 1 Multiplexer             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2 to 4 Decoder                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4 to 1 Multiplexer             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Schmidt Trigger                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Displays</b>                | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>        | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| 1 Channel X Display            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2 Channel X Display            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2-Channel Display              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Character Display - Incomplete | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Digital Display                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Single Channel Display         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Spectrogram                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Text Display                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Waveform Editor                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| XY Display                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| XY Display with Intensity      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>DSP Functions</b>           | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>        | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| 1/3 Octave Band Analyzer       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2-Sided Magnitude              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2-Sided Phase                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Accumulate                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                                  |                                     |                                     |                                     |                                     |
|----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Autocorrelation                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Biquad                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Center Clip                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Clip                             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Convolution                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Correlation                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Dead Band                        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Decimate                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| FIR Filter                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| IIR Filter                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Interpolate                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Magnitude                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Median Filter                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Octave Band Analyzer             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Offset                           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Peak Extractor                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Phase                            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Power Spectrum                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Quantizer                        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Scale                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Tap Weight Buffer                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Threshold                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Transfer Function                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Zero Crossing                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Effects</b>                   | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                 | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Notch Filter                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Variable Bandpass Filter         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>File I/O Functions</b>        | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                 | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| File Write                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Super File Read                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Super File Write                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Frame Functions</b>           | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>                 | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Buffer                           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Concatenate                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Dynamic Frame Pad                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Extract Sample                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Count                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Deinterleaver              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Shift                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Size                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Framesize Conversion             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Framesize Expander or Compressor | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Pad                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Peak Hold                        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Replace Sample                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Replace Subset                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Reverse                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Rotate                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sample Rate                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Scrolling Buffer                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Search                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sort                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                               |                                     |                                     |                                     |                                     |
|-------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Split                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Subset                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Triggered Buffer              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>General Functions</b>      | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| Channel Information           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Convert                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Create Color                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Delay                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Keyboard Receiver             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Read Com Port                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sample-and-Hold               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Serial Command Receiver       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Table Lookup                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Terminate Block Diagram       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Write Com Port                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Logical Functions</b>      | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| 4 Input AND                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4 Input OR                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Decimal to Binary             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Logical AND                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Logical NAND                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Logical NOR                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Logical NOT                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Logical OR                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Logical XOR                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Multi-channel</b>          | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| De-interleave 2 Channels      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| De-interleave 3 Channels      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| De-interleave 4 Channels      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| De-interleave 5 Channels      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| De-Interleave 8 Channels      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Interleave 2 Channels         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Interleave 3 Channels         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Interleave 4 Channels         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Interleave 5 Channels         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Interleave 8 channels         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Network Utilities</b>      | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| Internet Receiver             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Internet Transceiver          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Internet Transmitter          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Signal Generators</b>      | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| Arbitrary Signal Generator    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Complex Exponential Generator | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Constant Generator            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Cosine Generator              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gaussian Generator            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| General Gaussian Generator    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Impulse Generator             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Impulsive Noise Generator     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                               |                                     |                                     |                                     |                                     |
|-------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Noise Generator               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PRN Generator                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Pulse Train Generator         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Ramp Generator                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sine Generator                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Square Wave Generator         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sweep (Chirp) Generator       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Triangle Wave Generator       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Variable Signal Generator     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Sound Card</b>             | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| Sound Card A/D                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Speech Functions</b>       | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| ADPCM Decoder                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| ADPCM Encoder                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Linear Predictive Coding      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Statistical Functions</b>  | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| 4 Input Max                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Covariance                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Event Counter                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Exponential Fit               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Cumulative              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Maximum                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Mean                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Minimum                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Range                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Standard Deviation      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frame Variance                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Cumulative             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Frame Mean             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Maximum                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Mean                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Minimum                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Range                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Standard Deviation     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Global Variance               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Histogram                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Linear Fit                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Polynomial Fit                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Root Mean Square              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Transforms</b>             | <b><i>Block Diagram</i></b>         | <b><i>Block Diagram</i></b>         | <b><i>RIDE</i></b>                  | <b><i>RIDE</i></b>                  |
| <b><u>Menu Name</u></b>       | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      | <b><u>Academic Edition</u></b>      | <b><u>Standard Edition</u></b>      |
| Cepstrum                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Chirp z-Transform             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Complex Cepstrum              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| DCT                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| DFT                           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Fast Hartley Transform        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| FFT                           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Four Freq. Goertzel Algorithm | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Frequency Zoom                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Goertzel Algorithm            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Hilbert Transform             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                                |                                     |                                     |                                     |                                     |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Inverse DCT                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Inverse DFT                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Inverse Fast Hartley Transform | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Inverse FFT                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Inverse Hilbert Transform      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Trigonometric Functions</b> | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>               | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| ArcCosine(x)                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| ArcSine(x)                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| ArcTangent(x)                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Arctangent(y/x)                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Cosine(X)                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Hyperbolic Cos(x)              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Hyperbolic Sin(x)              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Hyperbolic Tan(x)              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sinc(x)                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sine(x)                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Tangent(x)                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Wave I/O Functions</b>      | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>               | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Wave Player                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Wavelet Functions</b>       | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>               | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Daub4                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Daub6                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Window Functions</b>        | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>               | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Bartlett Window                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Blackman Window                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Boxcar Window                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gaussian Window                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Hamming Window                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Hanning Window                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Kaiser Window                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Saramaki Window                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Welch Window                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>User Control Library</b>    |                                     |                                     |                                     |                                     |
| <b>Clocks and Timers</b>       | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>               | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Alarm Clock                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Timer                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <b>Input Devices</b>           | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>               | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Keypad                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>Output Devices</b>          | <i>Block Diagram</i>                | <i>Block Diagram</i>                | <i>RIDE</i>                         | <i>RIDE</i>                         |
| <u>Menu Name</u>               | <u>Academic Edition</u>             | <u>Standard Edition</u>             | <u>Academic Edition</u>             | <u>Standard Edition</u>             |
| Annunciator                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Data Display                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| LED                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Pushbutton Input Devices**

| <i><u>Menu Name</u></i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|-------------------------|---|---|----------------------------------|-------------------------------------|
| Momentary Button        | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Toggle Button           | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

**Variable Input Devices**

| <i><u>Menu Name</u></i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|-------------------------|---|---|----------------------------------|-------------------------------------|
| Horizontal Slider       | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Knob                    | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Vertical Slider         | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |

**Variable Output Devices**

| <i><u>Menu Name</u></i> | <i>Block Diagram<br/>Academic Edition</i> | <i>Block Diagram<br/>Standard Edition</i> | <i>RIDE<br/>Academic Edition</i> | <i>RIDE<br/>Standard Edition</i>    |
|-------------------------|---|---|----------------------------------|-------------------------------------|
| Analog Meter            | <input checked="" type="checkbox"/>       | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Horizontal Bar Chart    | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| LED Meter               | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |
| Vertical Bar Chart      | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>       | <input type="checkbox"/>         | <input checked="" type="checkbox"/> |