**sys-box & sys-card Connector Descriptions** April 25, 2000

| ID | Type | No. of pins | Description |
|---|---|---|---|
| P1, P2 | VHDCI | 68 | "SCSI" ICED bus to host - on d-card-s |
| P3, P4 | High-dens. | 70 | d-card-s to sys-card |
| P11-P16 | DIP | 16 | internal IBUS to protoboard/P21-P24 |
| P21-P25 | DIP | 16 | SIMM (memory) connections from protoboard/P11-P14 |
| P31-P36 | Logic An. | 20 | internal IBUS taps to Logic Analyzer (LA) |
| P41A, P42A | Logic An. | 20 | multiplexed internal IBUS (DB/{CB,AB}) to LA |
| P42B, P42B | Logic An. | 20 | pin-for-pin copy of P4xA |
| P53, P55 | Logic An. | 20 | SIMM taps (w/out data lines) to LA |
| P61 | Logic An. | 20 | network xface taps to LA |
| P71 | DIP | 16 | network xface connections from protoboard |
| P81 | DIP | 16 | LCD (U61) connections from protoboard; & some address bits |
| P91 | SIMM | 72 | SIMM socket - currently for 8 MB memory, 16 MB possible |
| P101 | banana | 1 | Ground - black |
| P102 | banana | 1 | +5 V. - red |
| P103 | banana | 1 | +12 V. - green |
| P104 | banana | 1 | -5 V. - yellow |
| P105 | banana | 1 | -12 V. - white |
| P110 | BNC | 2 | ICEDnet connection |

Notes:

1) P1 and P2 are unstacked
2) typically P11-P14 can be directly connected to P21-P24 (resp.) with ribbon cable
   - if data &/or address lines are needed on the protoboard, some or all of these must go to the protoboard
3) address bits A0, A1, A21, A22 & A23 are also available on P81
4) P1x and P2x rows are separated by 0.3" pin-to-pin
5) P4{1,2}A and P4{1,2}B provided for simultaneous timing and state analysis on our HP 166x logic analyzers; A for timing, say, and B for state.