Module Connector Count

| Card Type | Acronym | # board | spares | prototype | total | Connector type per brd | | | J3 | Transition card conn per brd | | | | front | Institution |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | & teststand | #board | J1/J2 | J0 | J3 | #pin | TJ0 | TJ2 | TJ2S | TJ3 | panel | |
| | | | | | | | | | | | | | | | |
| **Global Cards** | | | | | | | | | | | | | | | |
| CPU Adaptor card | | 112 | 20 | 50 | 182 | 2 | 1 | - | | | | | | 182 | FNAL |
| TRACER | | 111 | 20 | 12 | 143 | 2 | 1 | - | | | | | | 143 | FNAL |
| | | | | | | | | | | | | | | | |
| **Central** | | | | | | | | | | | | | | | |
| ADMEM | ADMEM | 224 | 45 | 24 | 293 | 2 | 1 | 1 | 160 | - | 1 | | 1 | 293 | FNAL |
| CALIB | CCAL | 25 | 4 | 2 | 31 | 2 | 1 | - | | - | - | | - | 31 | Penn |
| Hadron ASD | | 75 | 10 | 4 | 89 | 2 | - | 1 | 160 | - | 1 | | 1 | 89 | Frascatti |
| CMU ASD | | 48 | 5 | 4 | 57 | 2 | - | 1 | 160 | - | 1 | | 1 | 57 | Illinois |
| SMX Readout | SMXR | 72 | 8 | 4 | 84 | 2 | - | 1 | 160 | - | 1 | | 1 | 84 | FNAL |
| | | | | | | | | | | | | | | | |
| **TDC** | | | | | | | | | | | | | | | |
| COT & HAD TDC (LVDS) | | 331 | 47 | 20 | 398 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 796 | Michigan |
| Muon TDC (ECL) | | 107 | 20 | 15 | 142 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 284 | Michigan |
| | | | | | | | | | | | | | | | |
| **Level 1** | | | | | | | | | | | | | | | |
| Digital Receive & Com | DIRAC | 96 | 20 | 15 | 131 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 262 | Chicago |
| L1 Crate Sum | | 12 | 4 | 2 | 18 | 2 | 1 | 1 | 220 | | | | | 18 | Chicago |
| Muon Pre-Fred | | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 220 | | | | | 4 | Chicago |
| Tower Trigger Pre-Fred | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | Chicago |
| Track Trigger Pre-Fred | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | Chicago |
| Et Pre-Fred | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | Chicago |
| FRED | FRED | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 220 | | | | | 4 | Yale |
| | | | | | | | | | | | | | | | |
| **Level 2** | | | | | | | | | | | | | | | |
| Digital Clusterfinder | DCAS | 72 | 15 | 8 | 95 | 2 | 1 | 1 | 220 | | | | | 95 | Michigan |
| Local Control and Sum | LOCOS | 6 | 2 | 2 | 10 | 2 | 1 | 1 | 220 | | | | | 10 | Michigan |
| Neural Net Pick | ISOPICK | 6 | 2 | 2 | 10 | 2 | 1 | 1 | 220 | | | | | 10 | Michigan |
| Cluster Queen | CLIQUE | 2 | 2 | 2 | 6 | 2 | 1 | 1 | 220 | | | | | 6 | Michigan |
| Isocluster Queen | ISOCLIQUE | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | Michigan |
| L2 Processor | ALPHA | 6 | 2 | 2 | 10 | 2 | 1 | 1 | 220 | | | | | 10 | Michigan |
| L2 SVT | | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 220 | | | | | 4 | Michigan |
| L2 Track | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | Michigan |
| L2 Muon | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | Michigan |
| L2 XCES | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | ANL |
| L2 Timing Control | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | | | | | 3 | Michigan |
| | | | | | | | | | | | | | | | |
| **Muon Trigger** | | | | | | | | | | | | | | | |
| Muon Match | | 12 | 4 | 4 | 20 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 40 | Michigan |
| Muon Pre-Match | | 4 | 2 | 1 | 7 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 14 | Michigan |

| Card Type | Acronym | # board | spares | prototype & teststand | total #board | Connector type per brd J1/J2 | J0 | J3 | J3 #pin | Transition card conn per brd TJ0 | TJ2 | TJ2S | TJ3 | front panel | Institution |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trigger Summary Card | | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 6 | Michigan |
| | | | | | | | | | | | | | | | |
| **XFT** | | | | | | | | | | | | | | | |
| XFT Finder | XFTF | 48 | 10 | 8 | 66 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 132 | FNAL |
| XFT Linker | XFTL | 24 | 6 | 4 | 34 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 68 | OSU |
| | | | | | | | | | | | | | | | |
| **XTRP** | | | | | | | | | | | | | | | |
| XTRP Data | | 24 | 6 | 4 | 34 | 2 | 1 | 1 | 220 | 1 | 1 | | 1 | 68 | Illinois |
| XTRP Clock | | 2 | 1 | 2 | 5 | 2 | 1 | 1 | 220 | | | | | 5 | Illinois |
| XTRP Bus-Boss | | 2 | 1 | 1 | 4 | 2 | 1 | 1 | 220 | | | | | 4 | Illinois |
| | | | | | | | | | | | | | | | |
| **SVX Trigger (SVT)** | | | | | | | | | | | | | | | |
| AM Board | | 24 | 5 | 6 | 35 | 2 | 1 | 1 | 160 | | | | | 35 | PISA |
| AM Sequencer | AMS | 12 | 2 | 2 | 16 | 2 | 1 | 1 | 160 | | | | | 16 | PISA |
| Hit Buffer | | 20 | 4 | 3 | 27 | 2 | 1 | 1 | 160 | | | | | 27 | PISA |
| SVT Merger | | 20 | 4 | 3 | 27 | 2 | 1 | 1 | 160 | | | | | 27 | PISA |
| SVT Hit Finder | | 36 | 8 | 4 | 48 | 2 | 1 | 1 | 235 | | | | | 48 | Chicago |
| SVT Track Fitter | | 12 | 3 | 2 | 17 | 2 | 1 | 1 | 160 | | | | | 17 | Chicago |
| | | | | | | | | | | | | | | | |
| **DAQ Readout** | | | | | | | | | | | | | | | |
| DAQ TAXI Transition | DTTM | 14 | 4 | 4 | 22 | | | | 235 | | 1 | | 1 | 22 | FNAL |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| **TSI & X-points** | | | | | | | | | | | | | | | |
| Trigger Supervisor | TSI | 10 | 2 | 3 | 15 | 2 | 1 | | | | | | | 15 | Yale |
| Trigger X-point | TXPT | 16 | 4 | 4 | 24 | 2 | 1 | | | | | | | 24 | Yale |
| Done-Error-Busy X-poin | DXPT | 6 | 4 | 2 | 12 | 2 | 1 | | | | | | | 12 | Yale |
| Done Fan-In | | 3 | 1 | 1 | 5 | 2 | 1 | | | | | | | 5 | Yale |