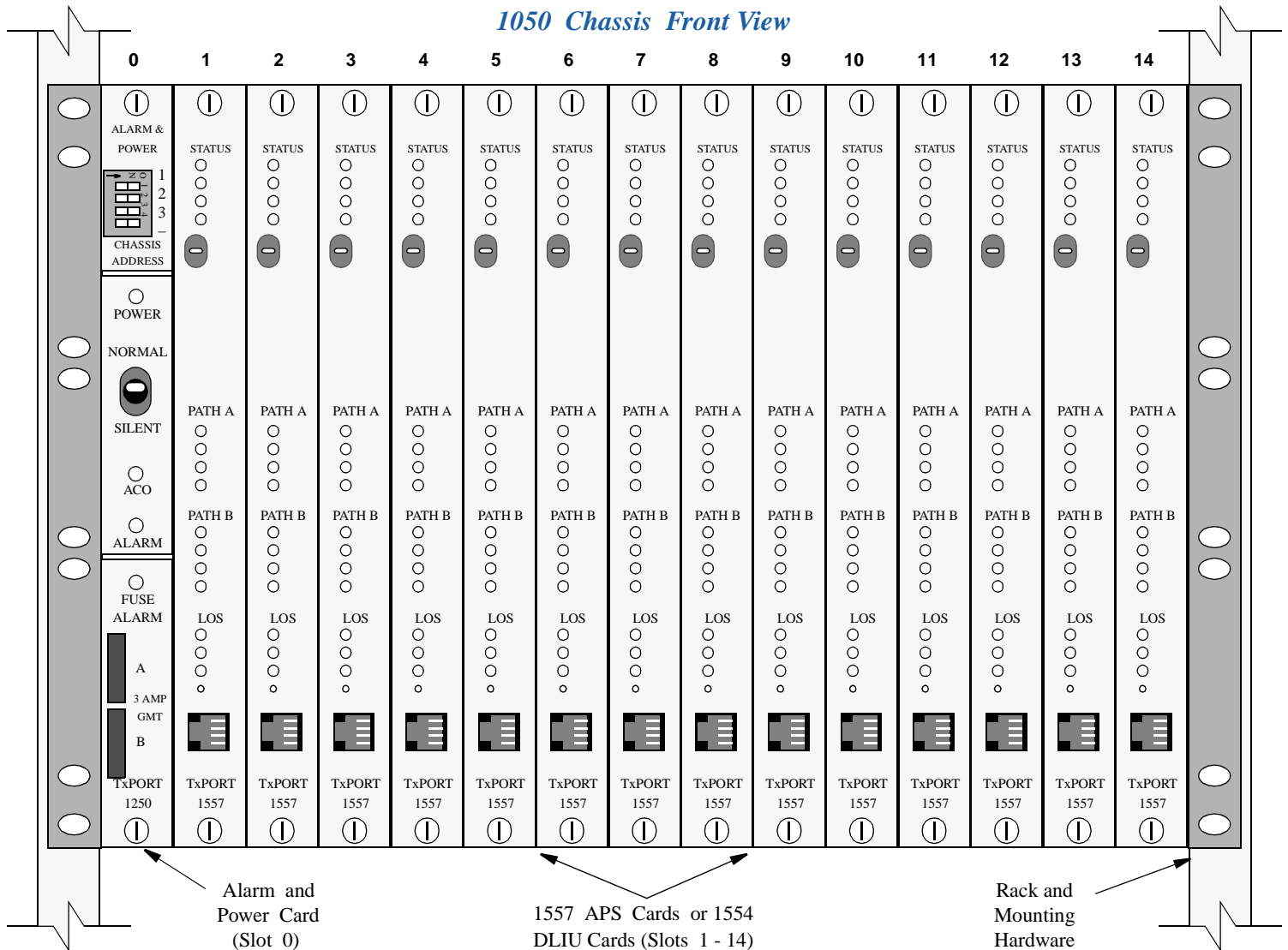


## 1050 Chassis Front View



## Connections

Refer to the diagram on the reverse side for the locations of the following connectors.

**Equipment:** Primary (Path A) and Secondary (Path B) equipment connection to the APS system may be made through standard 0.045 gauge wire wrap pins or through 50-pin female miniature ribbon type connectors. Equipment side signals for all 14 APS cards are gathered on a single 50-pin female miniature ribbon type connector for each path. Input connectors are labeled J6 and J9. Output connectors are labeled J7 and J8.

**Network:** Primary (Path A) and Secondary (Path B) network connection to the APS system may be made through standard 0.045 gauge wire wrap pins or through 50-pin female miniature ribbon type connectors. Network side signals for all 14 APS cards are gathered on a single 50-pin female miniature ribbon type connector for each path. Input connectors are labeled J1 and J4. Output connectors are labeled J2 and J3.

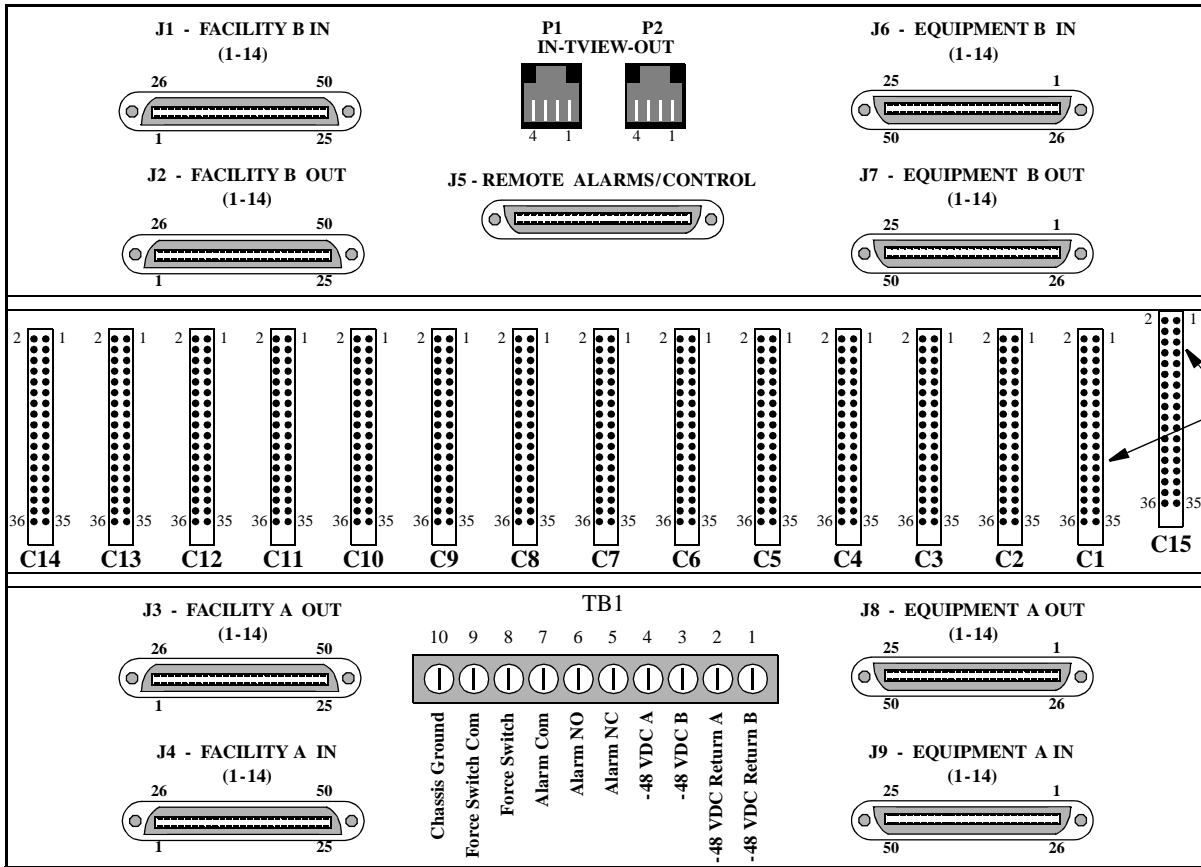
**NMS Bus:** The TxPORT 1559 APS Manager (APSM) is used to remotely configure, control, and monitor the 1557 cards mounted in the APS chassis as well as 1558 APS CPE installations. The manager communicates to the

1557 cards through a bus interface (P1 Bus In and P2 Bus Out). The 1559 APSM can communicate with up to 8 chassis (or up to 112 APS cards). The OUT port (P2) is used only to connect one chassis to the next in a 'daisy-chain' fashion. It is an output only port.

**Alarm:** Connector J5 provides relay contacts for connection to a remote indicating device. The alarm output of the Alarm and Power Card is also available on terminal block TB1 and on the wire wrap connectors of the Alarm and Power Card.

**Power:** The APS Chassis must be powered by an external -48 VDC source capable of delivering 2-ampere maximum current. The chassis can accommodate two -48 VDC power sources if redundancy is desired. Connect a ground lead to TB1-10 (Chassis Ground). Connect the other end of the ground lead to a solid chassis ground. Connect the primary power supply return lead to TB1-2. If a secondary power supply is used, connect its return lead to TB1-1. Connect the primary power supply 48 VDC lead to TB1-4. If a secondary power supply is used, connect its 48 VDC lead to TB1-3. 18- or 20-gauge wire is recommended for power connections.

## 1050 Chassis Rear View



### C1 - C14 Connection

Function	Tip	Ring
Network Out - Secondary	1	2
Network Out - Primary	3	4
Equipment Out - Secondary	5	6
Equipment Out - Primary	7	8
Network In - Secondary	9	10
Network In - Primary	11	12
Equipment In - Secondary	13	14
Equipment In - Primary	15	16
NMS In / Out	29 / 30	

### C15 Connections

Function	Pin
-48 VDC - Primary	1
48 V RTN	5
-48 VDC - Secondary	9
Alarm NC	18
Alarm NO	19
Alarm Common	20
NMS In	29
NMS Out	30
NMS Ground	34

### NMS Connections

Pin	NMS In	NMS Out
1	Ground	Ground
2	Data Out	Data Out
3	Data In	Open
4	Ground	Ground

### J1-J4 and J6-J9 Connection

Circuit	Tip	Ring
1	1	26
2	2	27
3	3	28
4	4	29
5	5	30
6	6	31
7	7	32
8	8	33
9	9	34
10	10	35
11	11	36
12	12	37
13	13	38
14	14	39

### J5 Connection

Alarm Trip	NO/NC	Common
1	1	26
2	2	27
3	3	28
4	4	29
5	5	30
6	6	31
7	7	32
8	8	33
9	9	34
10	10	35
11	11	36
12	12	37
13	13	38
14	14	39



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