



Access Point Pinouts

This appendix describes the pin signals of the access point Ethernet connectors, and the power injector input and output connectors. [Table E-1](#) describes the pin signals of the access point PoE-out connector.

Table E-1 **Access Point PoE-Out Ethernet Connector Pinouts**

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T)
2	
3	Ethernet signal pair (10/100/1000BASE-T)
6	
4	Ethernet signal pair (10/100/1000BASE-T) and 48 VDC (+)
5	
7	Ethernet signal pair (10/100/1000BASE-T) and 48 VDC return
8	
Shield	Chassis ground

[Table E-2](#) describes the pin signals for the access point PoE-in Ethernet connector.

Table E-2 **Access Point PoE-In Ethernet Connector Pinouts**

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T) and 56 VDC return
2	
3	Ethernet signal pair (10/100/1000BASE-T) and 56 VDC (+)
6	
4	Ethernet signal pair (1000BASE-T) and 56 VDC (+)
5	
7	Ethernet signal pair (1000BASE-T) and 56 VDC return
8	
Shield	Chassis ground

Table E-3 describes the pin signals for the power injector input connector (To Switch).

Table E-3 Power Injector Input Connector (To Switch) Pinouts

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T)
2	
3	Ethernet signal pair 10/100/1000BASE-T)
6	
4	Ethernet signal pair (1000BASE-T)
5	
7	Ethernet signal pair (1000BASE-T)
8	
Shield	Chassis ground

Table E-4 describes the RJ-45 pin signals for the power injector output connector (To AP).

Table E-4 Power Injector Output Connector (To AP) Pinouts

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T) and 56 VDC return
2	
3	Ethernet signal pair (10/100/1000BASE-T) and 56 VDC (+)
6	
4	Ethernet signal pair (1000BASE-T) and 56 VDC (+)
5	
7	Ethernet signal pair (1000BASE-T) and 56 VDC return
8	
Shield	Chassis ground



Note

The power injector output connector (To AP) only supplies 56 VDC power when the Ethernet cable is connected to the 1550 PoE-in connector.