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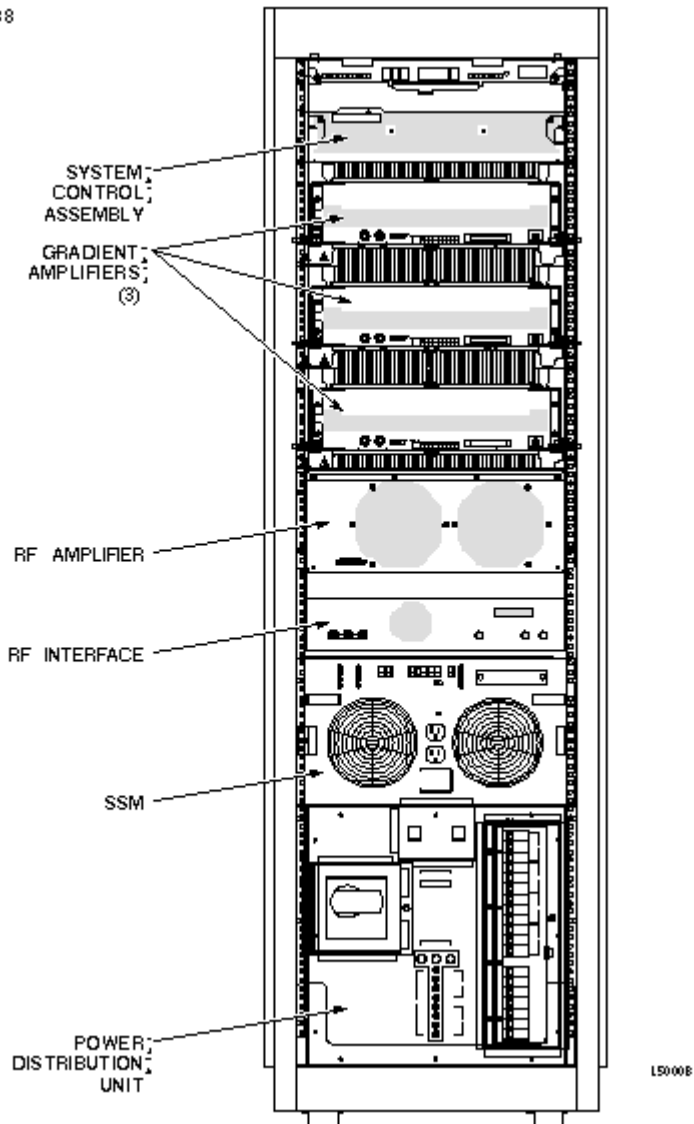
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**Description** - This section applies to Signa OpenSpeed 0.7T Power Cabinet (also referred to as the GRFD).

### 1- COMPONENT LOCATIONS

See Illustration 1-1 for the component locations in the cabinet.

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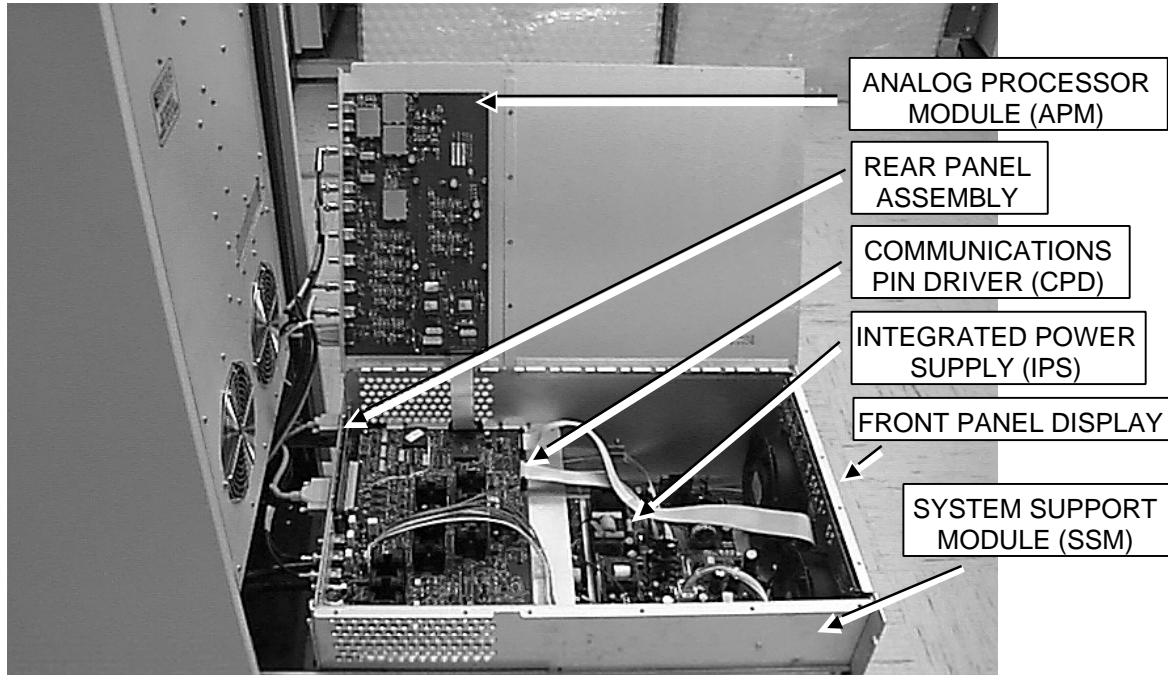
**0.7T POWER CABINET LOCATIONS**  
ILLUSTRATION 1-1

### 1-1 System Support Module (SSM)

See Illustration 1-2.

#### Note

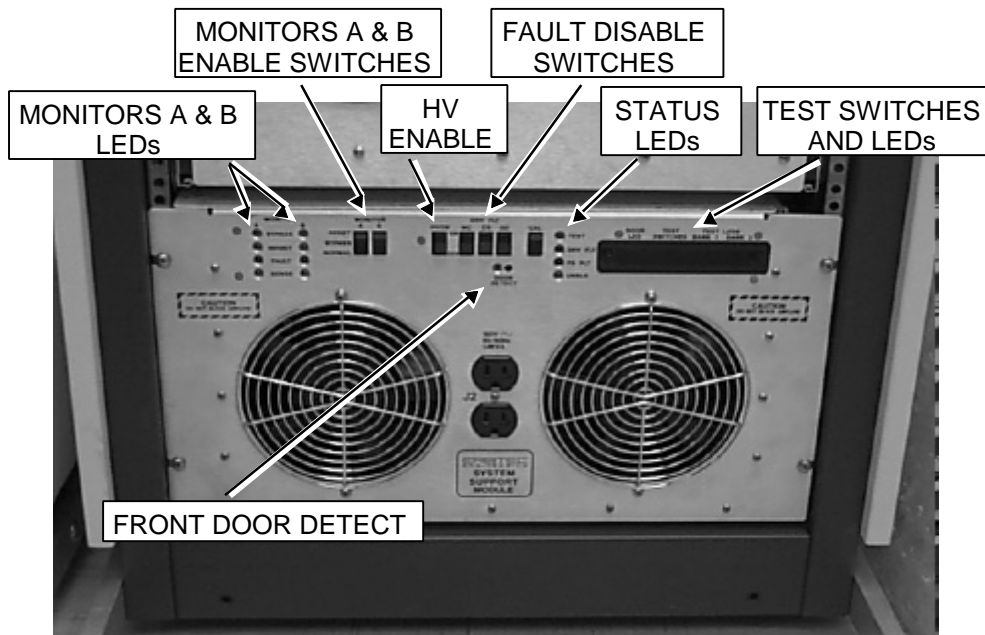
The existing SSM is used in the GRFD cabinet. Therefore, the illustration is from the existing RF/PEN II cabinet.



**SSM COMPONENT LOCATIONS**  
ILLUSTRATION 1-2

**1-1-1 Front SSM Detail**

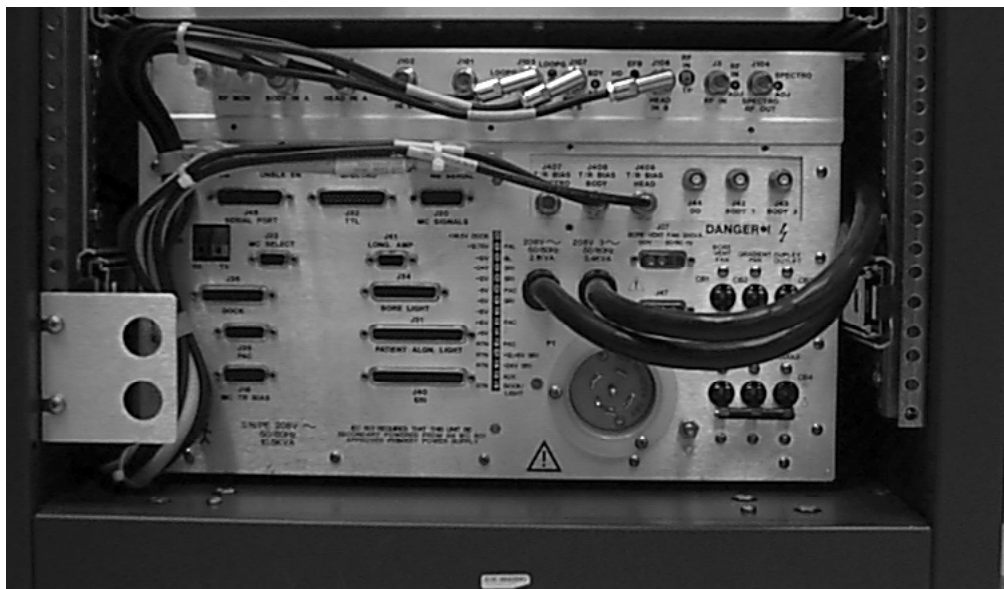
See Illustration 1-3.



**FRONT SSM LOCATIONS DETAIL**  
ILLUSTRATION 1-3

**1-1-2 Rear SSM**

See Illustration 1-4.



**REAR SSM LOCATION**  
ILLUSTRATION 1-4

**1-1-3 Rear SSM Connector Descriptions**

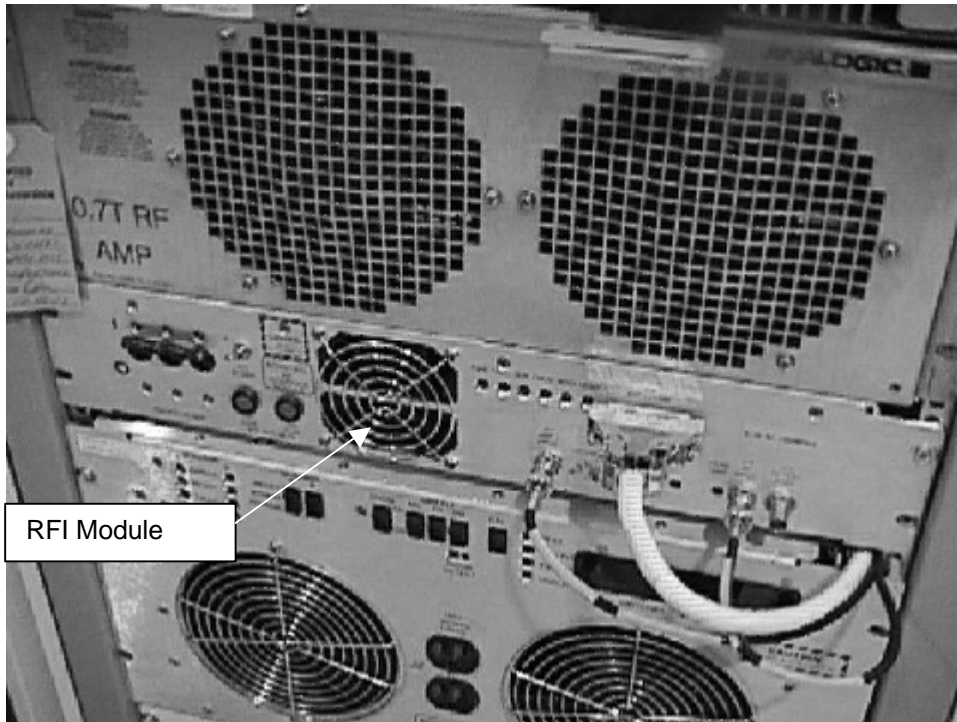
See Table 1-1.

TABLE 1-1  
**REAR SSM CONNECTOR DESCRIPTIONS**

CONNECTOR	DESCRIPTION	CONNECTOR	DESCRIPTION
J110	BODY IN A	CB4	SYSTEM SUPPORT MODULE MAIN
J108	HEAD IN A	P1	AC IN
J107	BODY IN B	J35	PAC
J106	HEAD IN A	J40	SRI
J104	SPECTRO RF OUT	J32	TTL
J103	EFB RF OUT	J41	LONGITUDINAL AMP
J102	SPECTRO IN B	J36	DOCK
J101	SPECTRO IN A	J34	BORE LIGHT
J43	BODY 2	J31	PATIENT ALIGNMENT LIGHT
J44	DD	J37	BORE VENT FAN
J42	BODY 1	J47	GRADIENT FAN
J407	T/R BIAS SPECTRO	J3	RF IN
J408	T/R BIAS BODY	J46	SERIAL PORT
J409	T/R BIAS HEAD	J5	UNBLANK ENABLE
J501	NB SERIAL PORT	J20	MULTICOIL SIGNALS
J503	RF MON	J22	MULTICOIL SELECT
J504	PCM	J18	MC TR BIAS
J507	SPECTRO	J2	HEAD/BODY DIRECTIONAL COUPLER OUTPUT
CB1	BORE VENT	RX	MDS RECEIVE
CB2	GRADIENT FAN	TX	MDS TRANSMIT
CB3	DUPLEX OUT		

### 1-2 RF Interface (RFI) Module

Refer to Illustration 1-5 for the front view of the module.



**RFI MODULE LOCATION**  
ILLUSTRATION 1-5

#### 1-2-1 RFI Module Front Connector Descriptions

See Table 1-2.

TABLE 1-2  
**FRONT RFI MODULE CONNECTOR DESCRIPTIONS**

<b>Connector</b>	<b>Description</b>
J11	Amp 1 Drive
J14	RF Input
J13	RF Test Port
J16	Amp 1 Comm

**1-2-2 RFI Module Rear Connector Descriptions**

See Illustration 1-6 for locations and Table 1-3 for descriptions.



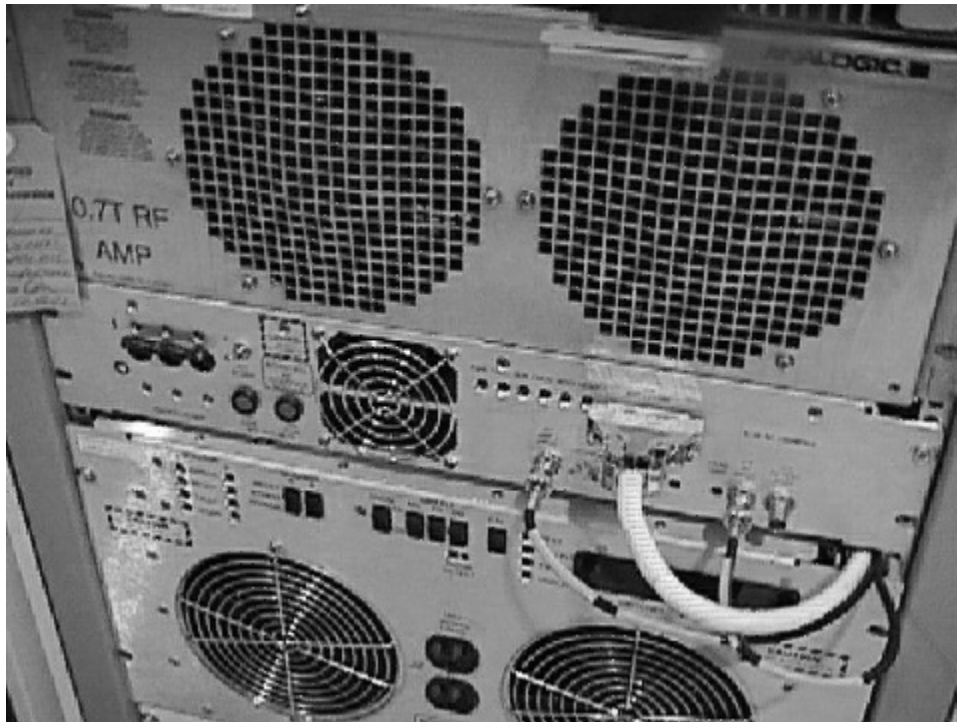
**RFI MODULE REAR CONNECTIONS**  
 ILLUSTRATION 1-6

TABLE 1-3  
**RFI MODULE REAR CONNECTOR DESCRIPTIONS**

<b>Connector</b>	<b>Description</b>	<b>Connector</b>	<b>Description</b>
J8	Body Couple A	J3	Head Output
J4	Body Output	J5	Head Couple B
J10	Body TR	J18	General Comm
J1	Amp In	J20	
J7	Head Couple A	J21	Power from PDU
J9	Head TR		

**1-3 0.7T ANALOGIC Solid State RF Amp**

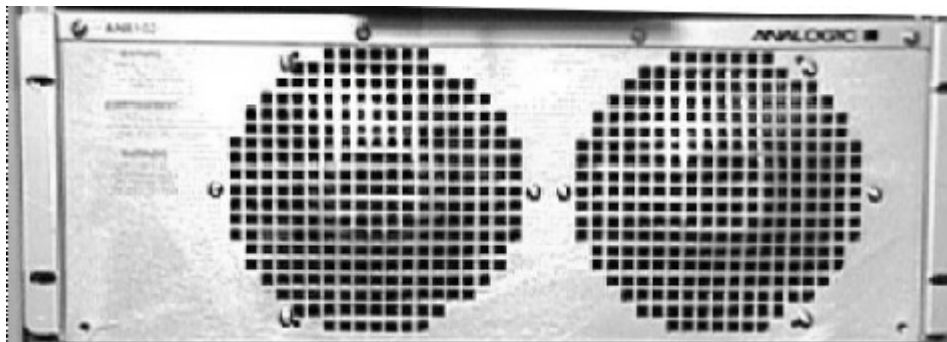
See Illustration 1-7.



**RF AMP LOCATION**  
ILLUSTRATION 1-7

**1-3-1 0.7T ANALOGIC Solid State RF Amp Fans**

See Illustration 1-8.

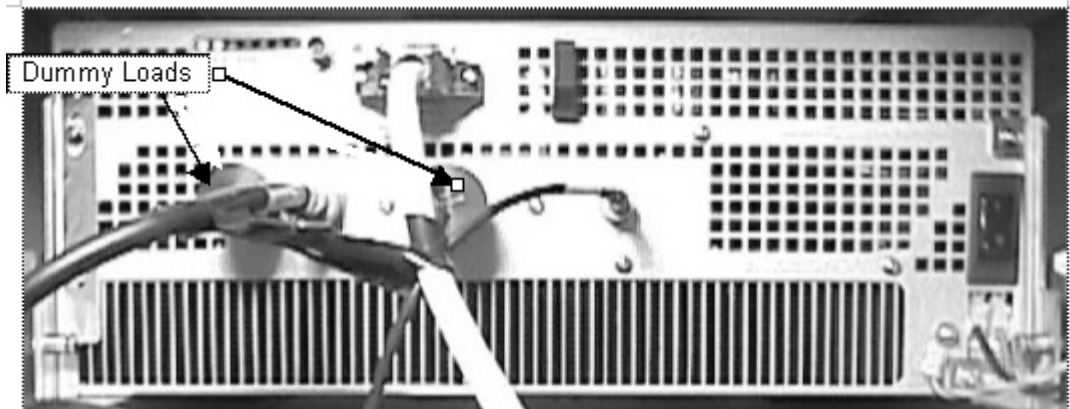


**0.7T RF AMP FAN LOCATION**  
ILLUSTRATION 1-8

### 1-3-2 0.7T ANALOGIC Solid State RF Amp Dummy Loads

#### Dummy Loads

See Illustration 1-9.



DUMMY LOAD LOCATION  
ILLUSTRATION 1-9

### 1-3-3 0.7T ANALOGIC Solid State RF Amp Connector Descriptions

See Table 1-4.

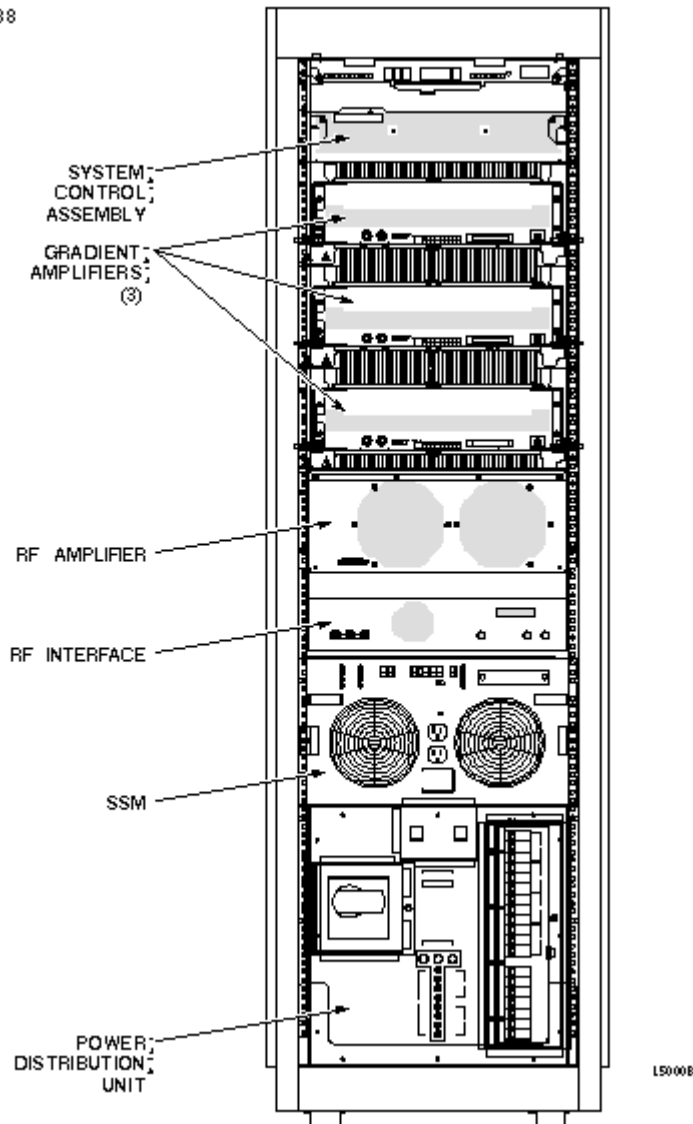
TABLE 1-4  
RF AMP CONNECTOR DESCRIPTIONS

Connector	Description
J3	RF In
J2A	RFL Power (terminated with a 50 ohm dummy load)
J2B	FWD Power (terminated with a 50 ohm dummy load)
J1	Customer Interface
J4	RF Out
L1	AC Line Connection
L2	AC Line Connection

### 1-4 Power Distribution Unit (PDU)

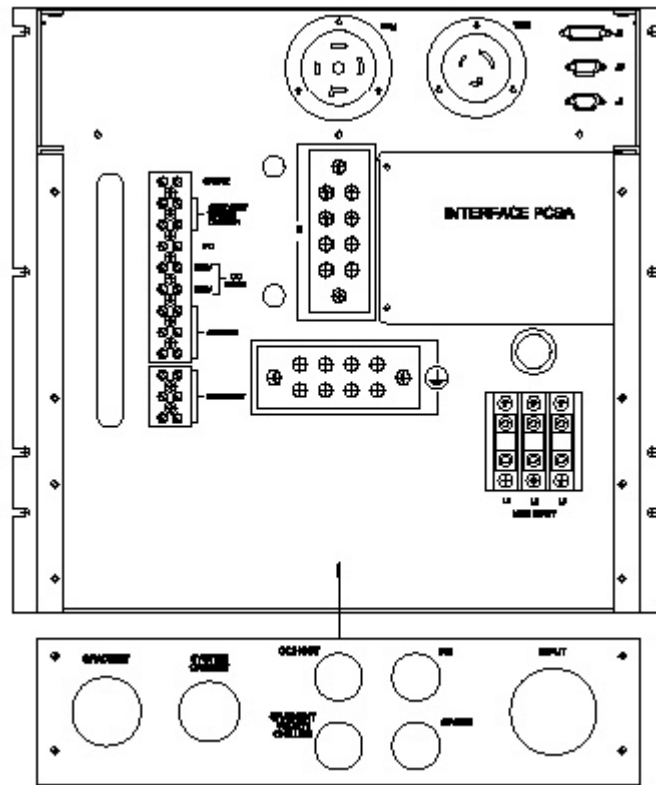
See Illustration 1-10 for PDU location.

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**PDU LOCATION**  
ILLUSTRATION 1-10



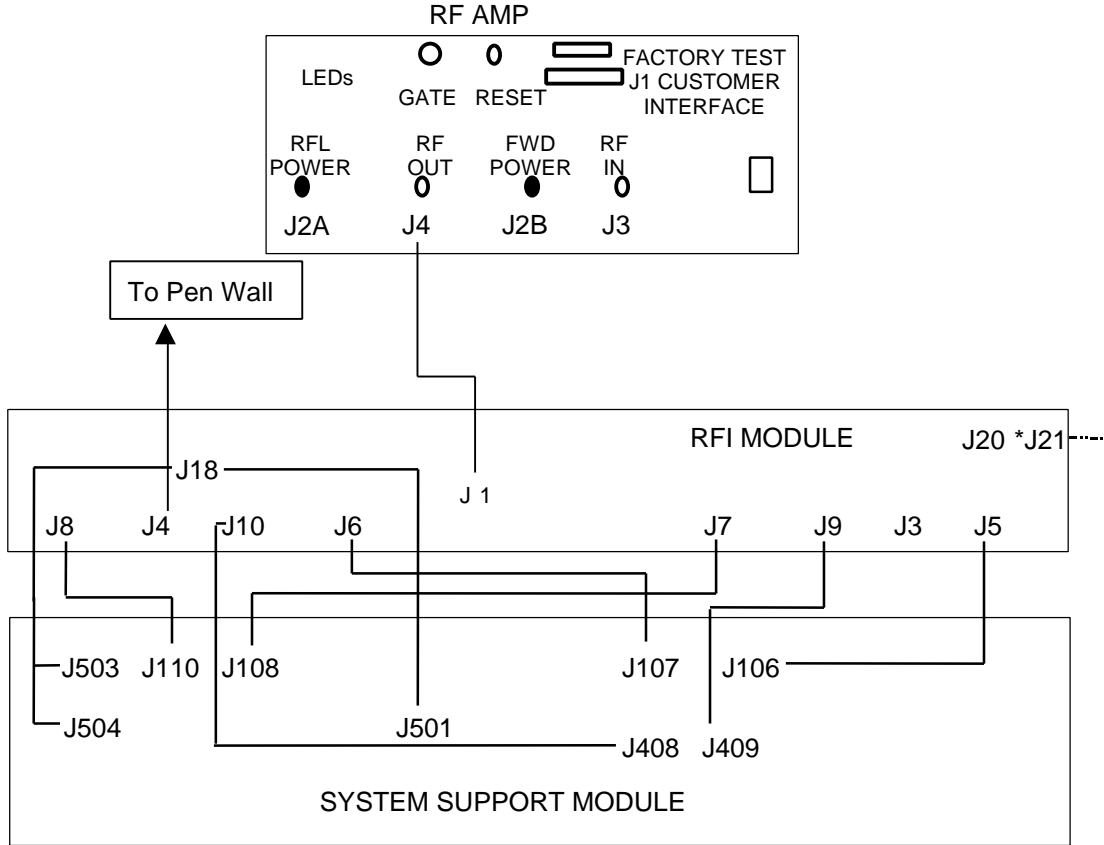


**PDU REAR DETAILS**  
ILLUSTRATION 1-12

**2- INTERCONNECTS**

**2-1 RF Amp/RFI Cabinet Interconnects**

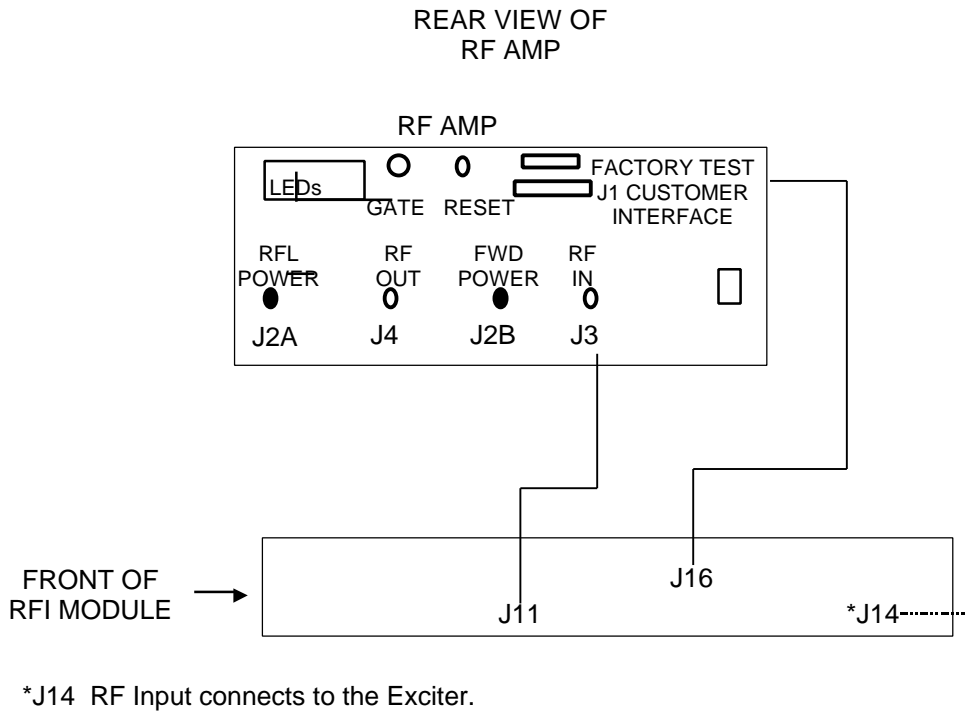
See Illustration 2-1 for rear cabinet interconnects.



\*J21 CONNECTS TO PDU.

**REAR CABINET RF INTERCONNECTS**  
 ILLUSTRATION 2-1

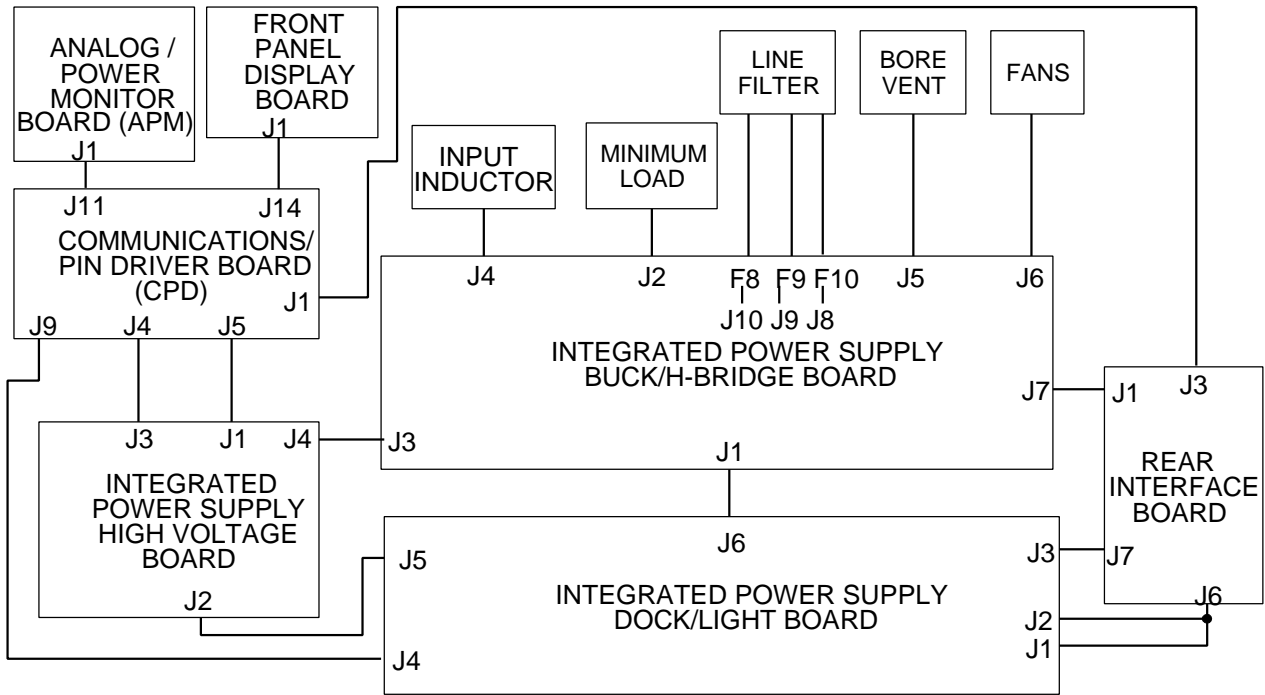
See Illustration 2-2 for front cabinet interconnects.



**FRONT CABINET RF INTERCONNECTS**  
ILLUSTRATION 2-2

**2-2 System Support Module Interconnects**

See Illustration 2-3.



**SYSTEM SUPPORT MODULE INTERCONNECTS**  
 ILLUSTRATION 2-3

## REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
0	March 8, 2000	K. L-P	Initial release.
B	July 14, 2000	D. Thome'	Added reference to dummy loads.