

P R B X

POWERBOX **Medline 1100**
 OBS01Series
 1100W
 Single Output
 AC/DC Medical Switch Mode Power Supply
 Application Note

Interface signal description and functions

For information concerning connector P4, please see the OBS01 datasheet for the valid pin configuration, manufacturer and part number of mating connector. Suggested wire for signal UL 1007 22 AWG



Signal	Figure	Description
Power fail detect (PFD)		<p>TTL logic high for normal operation</p> <p>This signal provides a minimum delay of 80 ms after V1 is within regulation.</p> <p>TTL logic low upon loss of input power</p> <p>This signal appears at least 1ms prior to V1 output dropping 5% below its nominal value</p>
Inhibit		<p>Requires an external TTL low level signal</p> <p>To disable output</p>
PS OFF		<p>Requires an external TTL high level signal</p> <p>To disable output</p>
DC OK		<p>Output voltage > 95%</p> <p>TTL logic high level</p>
Status	Voltage limits	
TTL logic low	0 - 0.8 VDC	
TTL logic high	3.5 - 5.0 VDC	