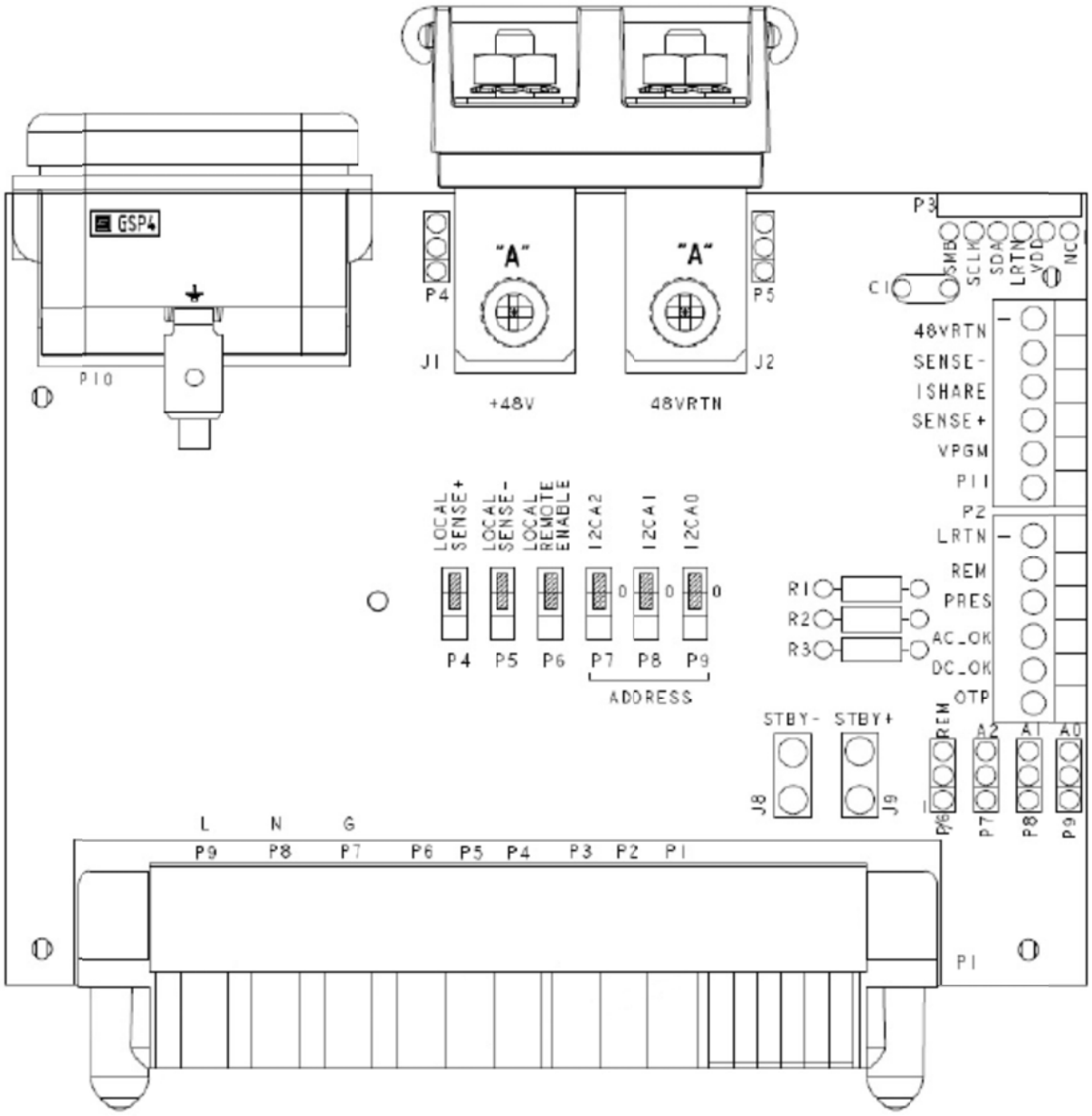
Catalog Number: Demo board PSE-3000



Test Interface Card for CUI 3000W PSE series power module

Catalog Number: Demo board PSE-3000

Jumper Setting (P4, P5, P6, P7, P8, P9)

Jumper	Description	Default	Comment
P4	O/P sense (+)	Pin 1 – Pin 2	Main O/P Local Sensing (+)
P5	O/P sense (-)	Pin 1 – Pin 2	Main O/P Local Sensing (-)
P6	Remote Enable	Pin 1 – Pin 2	Local ENABLE
P7	I2C Address A2	Pin 1 – Pin 2	0
P8	I2C Address A1	Pin 1 – Pin 2	0
P9	I2C Address A0	Pin 1 – Pin 2	0

Power Connectors (P10, J1, J2, J8, J9)

J10	AC Input Receptacle
J1	Main O/P Positive (48V)
J2	Main O/P Negative (48V Return)
J8	Standby O/P Negative (3.3V / 5V)
J9	Standby O/P Positive (3.3V / 5V)

Connector P11

Pin 2 (SENSE -) and Pin 4 (SENSE +) provide main output remote voltage sensing to compensate power cable connection voltage drop. To use this option, P4 and P5 jumper setting should be set to pin 2/pin 3 connection.

Pin 3 (I Share) for Power module equipped with Force Current Sharing, not used for standard module with VOLTAGE DROOP sharing. If equipped with FCS, Pin 3 is a single line connection between multiple power modules to provide forced current sharing function.

Pin 5 (VPGM) and Pin 1 (48V RTN) provides output programing function for power module with Vpgm option.

Pin 6: NC

Catalog Number: Demo board PSE-3000

Connector P2

Pin 2 (REM) provides main output Remote Enable function with P6 jumper set to Pin2/Pin3 connection. To ENABLE main output, connect Pin 2 to Pin 1 (LRTN)

Pin 3 (PRES) is a Module Present signal to indicate a power module has been inserted.

Pin 4 (AC_OK) is an AC input OK signal, LOW to indication AC line input is within limit.

Pin 5 (DC_OK) is an output DC OK signal, LOW to indicate main output voltage is within limit.

Pin 6 (OTP), Over-Temperature-Protection, LOW to indicate an over temperature condition warning.

All signals ground referenced to Pin 1 (LRTN)

Connector P3

I2C Interface connector.

PIN	1	2	3	4	5	6
	SMB ALERT	SCLK	SDA	L RTN	VDD	NC