15 Pin

Signal Pin	Related Pin	Signal Name	Signal Type	Description
1	8	Operating Mode A	DI	Connecting pin 1 and pin 2 to a high or low level allows you to set the regulation mode as indicated in the logic table (below). A high level switches to remote control
2	8	Operating Mode B	DI	Connecting pin 1 and pin 2 to a high or low level allows you to set the regulation mode as indicated in the logic table (below). A high level switches to remote control
3	8	Ready Status	DO	When the cito is Ready to make RF power, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8.
4	8	Error	DO	When the cito is in an error state, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8.
5	8	Maximum RF Power Level Reached	DO	When the cito is incapable of producing requested power, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8. This error message may occur in the following situations: • In Process Control mode, the RF power necessary for the desired process control level may be higher than the cito is able to deliver • In Load Power Control mode, the forward power necessary may be higher than the generator is able to deliver. • The external pulsing frequency exceeds the limits (see specification).
6	8	RF Enable	DO	When the cito RF is ON, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8.
7	8	Interface Voltage	DI	If no voltage is applied to pin 7, 5 VDC is the standard level for the digital inputs and outputs. If you want any other level, an external voltage must be applied to pin 7 and will be used as supply voltage for pins 3, 4, 5 and 6. The voltage range is 5 VDC to 24 VDC, with a maximum current of 300 mA, depending on the load of the outputs.
8		Ground		Reference pin.
9	8	Blanking/Pulse Mode	DI	An external 5V TTL pulse signal can be applied to pulse the RF output power Pin 8 MUST be grounded on host or client side.
10	8	RF Power On	DI	The signal enables or disables RF output power. A positive voltage of 4 V to 24 V will enable RF output. A voltage of 1.5 V or less will disable RF output

Signal Pin	Related Pin	Signal Name	Signal Type	Description
11	8	Process Control Setpoint	AI	0 to +10VDC = 0 to 1000 V linear (this can be adjusted via front panel or Stolberg Commander). Make certain the scaling on the system probe (example: DC Bias) and cito match.
12	8	RF Power Setpoint	AI	0 to +10 VDC = 0 to 1000 W, Linear (See Serial Tag for actual rating) Pin 8 MUST be grounded on host or client side.
13	8	Forward Power Monitor	AO	0 to +10 VDC = 0 to 1000 W, Linear (See Serial Tag for actual rating) Pin 8 MUST be grounded on host or client side.
14	8	Reflect Power Monitor	AO	0 to +10 VDC = 0 to 1000 W, Linear (typically 20% of rated power) Pin 8 MUST be grounded on host or client side.
15	8	Process Feedback Monitor	AO	This 0 V to 10 V signal closes the control loop around external components in the RF path. Pin 8 MUST be grounded on host or client side.