

Technical Note

RFP™ Mating Connectors for HPAL/LPAL



PURPOSE

Provide mating connector information for the RFP™ High Power and Low Power Active Loads.

MATING CONNECTOR KIT

Part Number 5380273-01

J1 CONNECTOR

Connector : Positronic P/N SD9M1000Z, Elgar P/N 856-214-09

Wire size: Recommended 22 AWG, maximum cable length 10 meters.

J1 PINOUT

Pin	Name	Function	Signal Level
1	ENA	Input: module output enable	TTL logic level
2	ENA-RTN	Input: return for ENA signal; connected to Pin-7/8	Signal common
3	TRIG-OUT	Output: trigger output signal	TTL logic level
4	TRIG-OUT-RTN	Output: return for TRIG-OUT; connected to Pin-6/8	Signal common
9	TRIG-IN	Input: trigger input signal	TTL logic level
6	TRIG-IN-RTN	Input: return for TRIG-IN; connected to Pin-6/7	Signal common
7	MOD-IN-H	Input: external modulation signal; differential input with MOD_IN_L	5V/10V analog signal
8	MOD-IN-L	Input: return for external modulation signal, MOD_IN_H	5V/10V analog signal
5	CHAS-GND	Shield ground	Chassis ground

RECOMMENDED TOOLS

Hand Crimp: Positronic P/N 9507-0-0-0

Pneumatic Crimp: Positronic P/N 9550-1-0

Insertion/extraction: Positronic P/N M81969/1-02

J2 CONNECTOR

Connector : Positronic P/N MS3106F-20-24S, Elgar P/N 855-363-08

Wire size: see table

J2 PINOUT

Pin	Name	Function	Signal Level	Max Wire Gauge
D	DCIN	INPUT: INPUT SOURCE	+500V; 500V, MAX TO CHASSIS	8
B	DCIN_RTN	INPUT: RETURN FOR INPUT SOURCE DCIN	0V; 500V, MAX TO CHASSIS	8
C	SNS	INPUT; REMOTE SENSE FOR DCIN	+500V; 500V, MAX TO CHASSIS	16
A	SNS_RTN	INPUT REMOTE SENSE FOR DCIN_RTN	0V; 500V, MAX TO CHASSIS	16

RECOMMENDED TOOLS

N/A (pins are solder cup application)

POWER EVOLVED