CHP-2G6G-4640-S a complete solid state microwave power amplifier module that features high efficiency, high output power and wide dynamic range. It is based on advanced microwave device technology and provides long-term reliability and high ruggedness.

Features:

- Solid State Linear GaN design
- Over temperature protection
- Reverse polarity protection
- Control line for remote operation

Electrical Specifications:

Frequency:	2.0-6.0 GHz
Power Gain:	46 dB Min
Gain Flatness:	±2.0 dB Max
Power Output:	+40 dBm Min
Harmonics:	-25 dBc Min
Non Harmonics Spurious:	-80 dBc Min
Input Power:	+15 dBm Max
Input Return Loss:	10 dB Min
Output Return Loss:	10 dB Typ
DC Voltage:	28 V Typ
DC Supply Current:	1.5 A Typ
Switching Time:	10uS Max
Over Temp Protection:	OFF @ 70C case temp, Autoreset @ 60C

Environmental Ratings:

Temperature:	-10ºC to +70 ºC Operating
	-40 ºC to +90 ºC Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

Mechanical Specifications:

Parameter	Specification
Dimensions WxHxD	5.91 × 3.94 × 1.10Inches
RF Connectors In/Out	SMA-F
DC Connector	9 Pin D-Sub
Cooling	External Heatsink

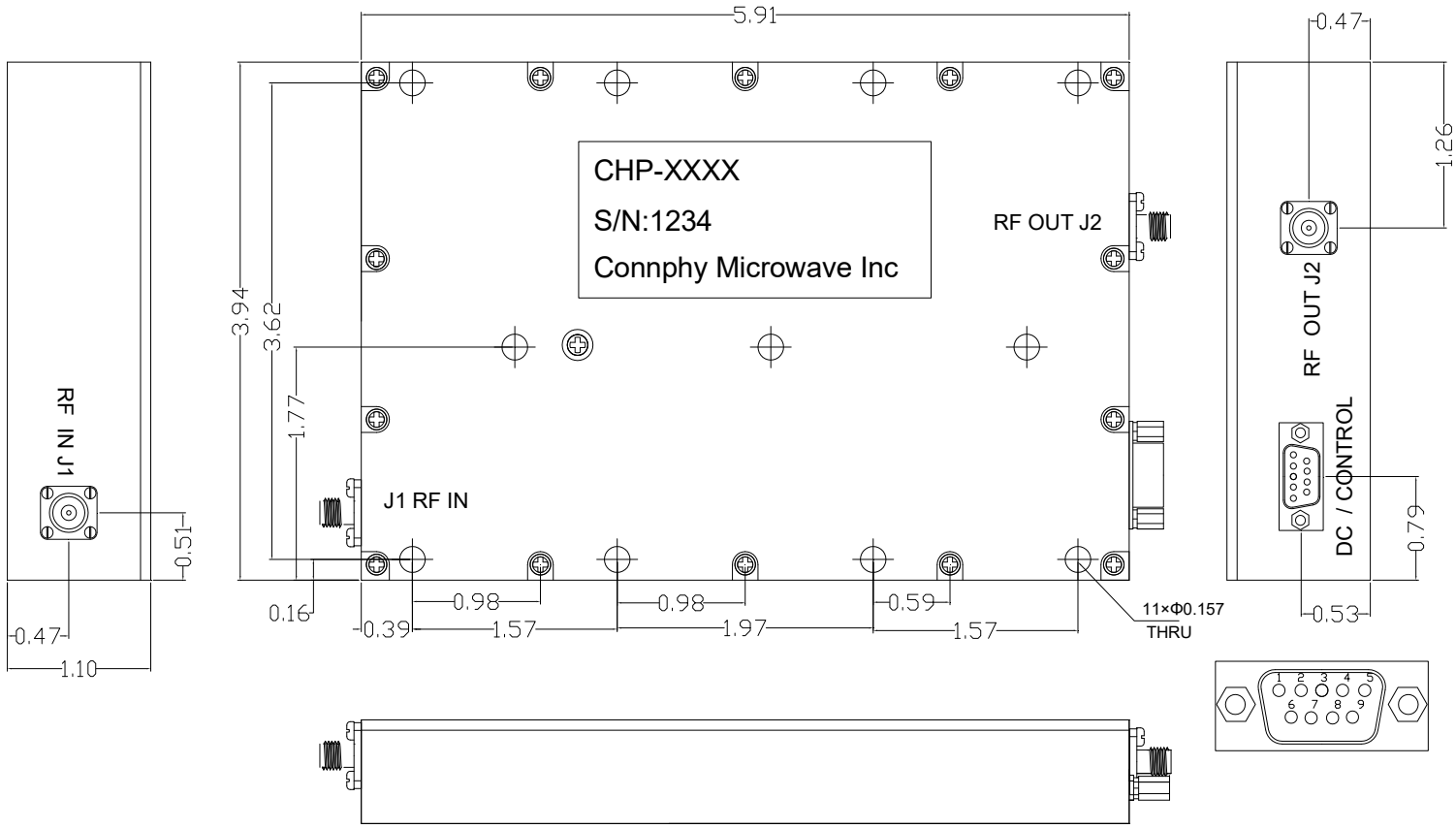
DC Connector PIN Assignment:

Pin	Description	Specification
1-4	NC	
5	Remote Control	TTL Low=Enable:High=Disable
6,7	+V	+28V
8,9	GND	GND

SOLID STATE HIGH POWER AMPLIFIER
CHP-2G6G-4640-S

DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc. www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Mechanical Outline (Inches):



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ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.