SignalFire PATRIoT
Model: PATRIoT

External DC Supply

J5

PCB ASSY: 840-0178-02

J4:
External
Digital
Outputs

External Power Source

Ui/Vmax: 42 VDC

External Digital Outputs

U_i = 14 VDC
I_i = 0.5 A
$C_i + C_{cable} \leq 8$ µF
$L_i + L_{cable} \leq 500$ µH

Note: Outputs investigated at 30V 1A and found thermally compliant. Ratings generated to comply with spark testing.
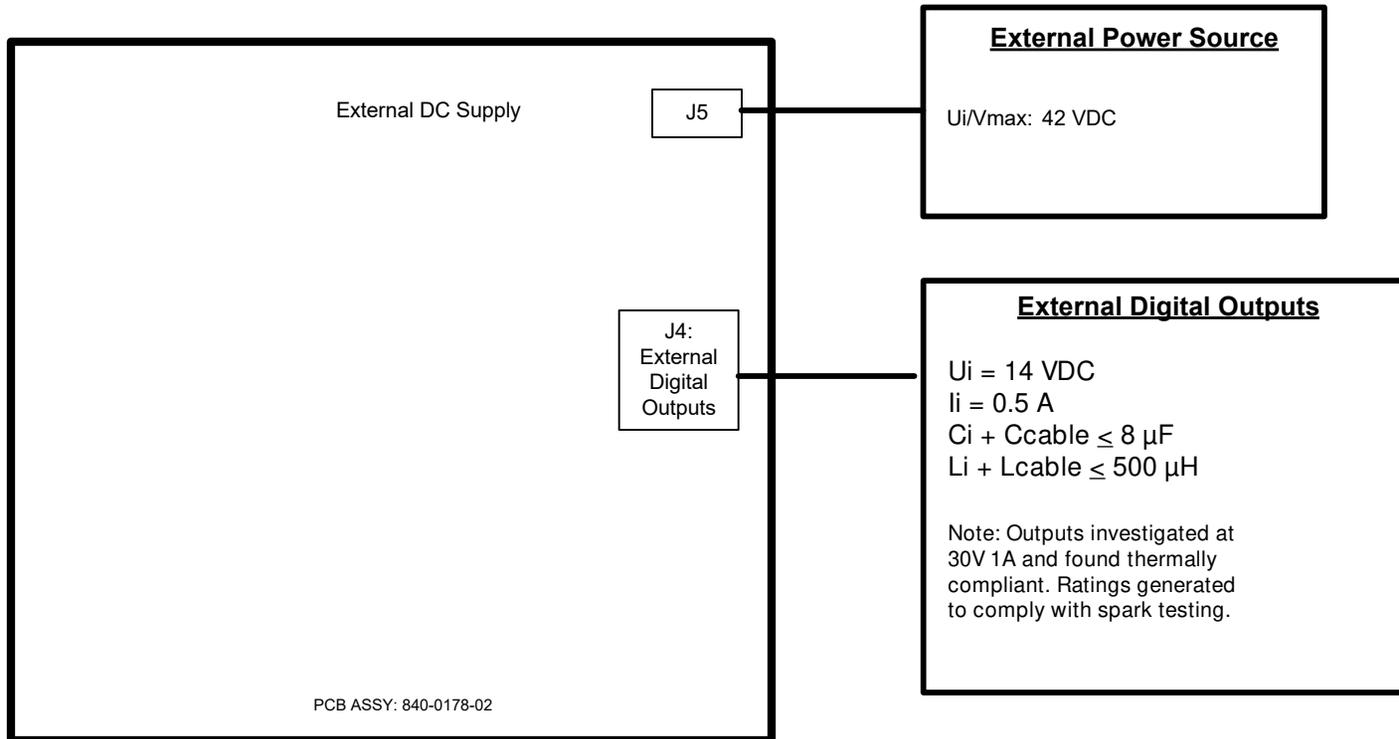
Class I, Division 1, Groups C and D	**Ambient Temperature Limit: -40C to +85C** **Temperature Code: T4**

• WARNING: Substitution of components may impair intrinsic safety.

• Choose peripheral devices and associated apparatuses such that the following conditions are met:
$U_i/V_{max} \geq U_o/V_{oc}$
$I_i/I_{max} \geq I_o/I_{sc}$
$P_i \geq P_o$
$C_o/C_a \geq C_i + C_{cable}$
$L_o/L_a \geq L_i + L_{cable}$

• **See SignalFire Instruction manual number 960-0120-11 for installation requirements**

SignalFire Telemetry

Part Name	Control Drawing, PATRIoT	Date	2/17/2026
Part Number	960-0121-01	Rev	1.0

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