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Thank you for choosing Sunstone Circuits!

Order Number: W-10160046

Order Date: 1/16/2025

Quote Number: SQW-144334

Part Number: GRAMS-TPC-SiPM-Telem_BRD

Revision Name: -

Product Type: PCBEXPRESS

Quoted By: Customer **Ordered By:** Customer

Estimated Ship Date: 1/31/2025

Lead Time: 2 Week

Technical Contact

David Durachka

david.durachka@nasa.gov

3012869678 2403817666

SOS Contact

David Durachka +1 2403817666

Order Received

Order Production

✓ Order Hold

Order Complete

Order Planning

Order Cancelled

Comments

No comments have been entered.

Order Total

Ship To

NASA GSFC 8800 Greenbelt Road 2050 Kings Landing Road Greenbelt, MD 20771 MD United States 301-286-9678

301-286-9678 kurt.d.rush@nasa.gov

D

Quantity of Boards: 2

Price Per Board: \$488.19

Subtotal: \$976.38

TurnKeyLabor: \$833.45 TurnKeyParts: \$379.46

ElectricalTest: \$58.71

Subtotal: \$1,271.62 Shipping: UPS Ground

Shipping Cost: 0.00

Assembly Shipping: UPS Ground

Assembly Ship-Cost: 0.00

Subtotal: \$0.00

Bill To

Kurt Rush 8800 Greenbelt Road Greenbelt, MD 20771 United States david.durachka@nasa.gov

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Boards Subtotal: \$976.38 Services Subtotal: \$1,271.62 Shipping Subtotal: \$0.00

> Tax: \$0.00 Total: \$2,248.00

Configuration

Quantity: 2 Layers: 6

Copper Weight: 1 oz.

Metric: No Length: 4.901 in Width: 5.900 in Thickness: 0.062 in

Trace / Space Outer: 6 - 9 mils Trace / Space Inner: Over 14 mils

Material: FR4 150 Tg Solder Mask Sides: Both

Solder Mask Color: Red (Semi-Gloss)

Silkscreen Sides: Both Silkscreen Color: White Silkscreen Clipping: Yes Finish: Tin Lead Plated Edges: No Plated Slots: 0 Plated Cutouts: 0

Non-Plated Slots / Cutouts: 0 Smallest Drilled Hole: 12 mils

Countersink Count: 0 Counterbore Count: 0 Castellated Holes: No Controlled depth Milling: No Panelization / Routing: Individual

Panel approval prior to Manufacturing: No

DPAS Priority: No

COVID-19 Critical Project: No Components Overhang: No Certificate of Conformance: No

Budgetary Quote: No

Technical Contact First Name: Technical Contact Last Name: Technical Contact Phone: Technical Contact Email: Standard Construction: Yes

Engineering Level: Limited Review

Selective Plating: No Inspection: IPC A 600 Class 2

Inspection Other: Cross Section: No

Controlled Impedance: None

Blind / Buried Vias: No

Via Plug: No Sunstone Logo: No Date Code: No Lot Code: No Cage Code: No UL Certification: No Serialization: No

FAI: None

Export Controlled (EAR/ITAR): No Electrical Test: Yes + \$58.71

File Conversion: No Assembly: Drop Ship Scheduled Shipping: No

Payment Information

Credit Card Card Type: Visa Cardholder: Kurt Rush Card Number: ********8722 Expiration: 12/2026 Security Code: (not saved) PO Number:

Assembly

There is no Assembly information available...

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Stencil

No Stencils ordered.

Ready For Production?

Price your productions costs in real time, directly from your account.

You can now quote your production orders directly from your order history.

Limited Review Service Description

- 1. Verify that the number of solder mask and copper layers submitted is what you ordered.
- 2. Your files contain a continuous outline and a Drill file.
- 3. Board size matches order form.
 - This level of engineering does not include: a.
 - **REVIEW of Print notes or READ ME files.**
 - b. Order form options that are not selected (cutouts, etc.). If it is not ordered, it will not be part of the PCB (even if they are in your files).
 - Elements not contained in the Gerber / Excellon files will not be added from a print (cutout, C. notches etc.).
 - d. Verification of included netlist (for electrical test we create netlist from your Gerber files).
 - All other Design adjustments not mentioned below: e.
- 5. We check the design for:
 - Potential missing holes or holes out of place (i.e. drill cutting traces). a.









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R-820-004 Order Confirmation Record

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