



American Standard Circuits  
Sunstone Circuits

13626 S Freeman Rd Mulino OR 97042  
1-800-228-8198

## Saved Quote Detail

### Quote Info

NASA GSFC DavidDurachka david.durachka@nasa.gov

#: SQW-150822

Date: 5/19/2025

Expires: 6/18/2025 12:06:44 PM

Leadtime: 3 Day

### Quote Details

<b>Part:</b> GRAMS-SiPM_Pre-AMP_PDU	2 x \$1,520.29	<b>\$3,040.58</b>
<b>Rev:</b> -		
<b>Product Type:</b> PCBExpress		
Drop Ship Assembly - 2 boards	1 x \$0.00	<b>\$0.00</b>
Screaming Circuits Labor for Turnkey	1 x \$1,390.61	<b>\$1,390.61</b>
Screaming Circuits Parts for Turnkey	1 x \$797.05	<b>\$797.05</b>
Electrical Test	1 x \$58.37	<b>\$58.37</b>

### Quote Total

<b>Tax</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$5,286.61</b>

### Pricing Matrix

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	1 Day Wed May 21	2 Day Thu May 22	3 Day Fri May 23	4 Day Tue May 27	1 Week Wed May 28	2 Week Wed Jun 04	3 Week Wed Jun 11	
QTY								ETest
2	\$2754.85	\$1950.41	\$1520.29	\$1307.73	\$1037.91	\$920.54	\$872.59	\$ 58.37
4	\$1455.77	\$1030.59	\$803.24	\$690.89	\$548.28	\$486.24	\$460.89	\$ 66.75
10	\$713.82	\$505.10	\$393.49	\$338.34	\$268.33	\$237.88	\$225.44	\$ 91.87
50	\$275.11	\$194.55	\$151.47	\$130.18	\$103.16	\$91.41	\$86.60	\$ 259.33

Estimated shipping dates are based on an order date of "5/19/2025 " placed prior to cut off time.

\*Electrical test charges are calculated from quantity and build time selections.  
\*Different quantity and build time selections will change the cost of the Electrical Test service.

Circuit Board Details

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Comments:

Quantity: <b>2</b>	Finish: <b>Tin Lead</b>	Inspection: <b>IPC A 600 Class 2</b>
Layers: <b>10</b>	Plated Edges: <b>No</b>	Cross Section: <b>No</b>
Copper Weight: <b>1 oz.</b>	Plated Slots: <b>0</b>	Controlled Impedance: <b>None</b>
Metric: <b>No</b>	Plated Cutouts: <b>0</b>	Blind / Buried Vias: <b>No</b>
Length: <b>5.496 in</b>	Non-Plated Slots / Cutouts: <b>0</b>	Via Plug: <b>No</b>
Width: <b>5.050 in</b>	Smallest Drilled Hole: <b>11 mils</b>	Sunstone Logo: <b>No</b>
Thickness: <b>0.062 in</b>	Countersink Count: <b>0</b>	Date Code: <b>No</b>
Trace / Space Outer: <b>6 - 9 mils</b>	Counterbore Count: <b>0</b>	Lot Code: <b>No</b>
Trace / Space Inner: <b>6 - 9 mils</b>	Castellated Holes: <b>No</b>	Cage Code: <b>No</b>
Material: <b>FR4 150 Tg</b>	Controlled depth Milling: <b>No</b>	UL Certification: <b>No</b>
Solder Mask Sides: <b>Both</b>	Panelization / Routing: <b>Individual</b>	Serialization: <b>No</b>
Solder Mask Color: <b>Red</b>	Panel approval prior to Manufacturing: <b>No</b>	FAI: <b>None</b>
Silkscreen Sides: <b>Both</b>	Standard Construction: <b>Yes</b>	Export Controlled (EAR/ITAR): <b>No</b>
Silkscreen Color: <b>White</b>	Engineering Level: <b>Limited Review</b>	Electrical Test: <b>Yes</b>
Silkscreen Clipping: <b>Yes</b>	Selective Plating: <b>No</b>	File Conversion: <b>No</b>

Blind / Buried Vias: **No**  
Assembly: **Drop Ship**  
Scheduled Shipping: **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:

Turn-Key Matrix

QTY	Parts	1 Day	2 Day	1 Week	2 Week	3 Week	4 Week	2 Days
		Labor Price	Labor Price	Labor Price	Labor Price	Labor Price	Labor Price	Labor Price
2	\$797.05	n/a	\$1390.61	n/a	n/a	n/a	n/a	

Assembly Details

Turn-Key Quantity: 2

Turn-Key Labor: \$1,390.61

Turn-Key Parts: \$797.05

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Turn-Key Total: \$2,187.66

## File Details

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**SQW-150822-202551912648801-20250515011053-GRAMS\_COLD\_TPC\_SiPM\_Pre-AMP\_PDU.zip**

2 - COLD_TPC_P25M5-B_Paste.gbr	3.2KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-B_Silkscreen.gbr	36.4KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-Edge_Cuts.gbr	1.1KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-F_Cu.gbr	63.5KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-F_Mask.gbr	13.9KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-F_Paste.gbr	10.6KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-F_Silkscreen.gbr	295.8KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-In1_Cu.gbr	266.2KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-In2_Cu.gbr	372.7KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-In3_Cu.gbr	137.3KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-In4_Cu.gbr	20.6KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-In5_Cu.gbr	20.5KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-In6_Cu.gbr	81.9KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-In7_Cu.gbr	17.6KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-In8_Cu.gbr	266.2KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-job.gbrjob	6.4KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-NPTH.drl	786B	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-NPTH-drl_map.gbr	29.8KB	5/15/2025 4:07 PM
2 - COLD_TPC_P25M5-PTH.drl	7.7KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-PTH-drl_map.gbr	192.3KB	5/15/2025 4:07 PM
GRAMS_COLD_TPC_SiPM_Pre-AMP_PDU.cad	140.3KB	5/15/2025 4:06 PM	GRAMS_COLD_TPC_SiPM_Pre-AMP_PDU_BOM.xlsx	15.6KB	5/15/2025 4:05 PM
2 - COLD_TPC_P25M5-B_Cu.gbr	675.1KB	5/15/2025 4:07 PM	2 - COLD_TPC_P25M5-B_Mask.gbr	6.5KB	5/15/2025 4:07 PM

