



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-150887

Date: 5/20/2025

Expires: 6/19/2025 10:41:32 AM

Leadtime: 3 Day

Quote Details

Part: GRAMS-Charge_Pre-Amp_PDU	2 x \$1,915.21	\$3,830.42
Rev: -		
Product Type: PCBpro		
Drop Ship Assembly - 2 boards	1 x \$0.00	\$0.00
Screaming Circuits Labor for Turnkey	1 x \$1,552.08	\$1,552.08
Screaming Circuits Parts for Turnkey	1 x \$834.60	\$834.60
Electrical Test	1 x \$58.16	\$58.16
NRE	1 x \$560.00	\$560.00

Quote Total

Tax	\$0.00
Total	\$6,835.26

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	Custom	\$3061.01	\$1915.21	\$1656.00	\$1398.92	\$1106.24	\$913.97	\$ 58.16
4	Custom	\$1611.10	\$1007.94	\$871.49	\$736.16	\$582.09	\$480.88	\$ 66.33
10	Custom	\$741.16	\$463.58	\$400.78	\$338.51	\$267.60	\$221.02	\$ 90.82
50	Custom	\$277.19	\$173.25	\$149.74	\$126.42	\$99.87	\$82.43	\$ 254.12

Estimated shipping dates are based on an order date of "5/20/2025 " 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: 2	Finish: Tin Lead	Inspection: IPC A 600 Class 2
Layers: 10	Plated Edges: No	Cross Section: No
Copper Weight: 1 oz.	Plated Slots: 0	Controlled Impedance: None
Metric: No	Plated Cutouts: 0	Blind / Buried Vias: No
Length: 5.200 in	Non-Plated Slots / Cutouts: 8	Via Plug: No
Width: 5.200 in	Smallest Drilled Hole: 11 mils	Sunstone Logo: No
Thickness: 0.062 in	Countersink Count: 0	Date Code: No
Trace / Space Outer: 6 - 9 mils	Counterbore Count: 0	Lot Code: No
Trace / Space Inner: 6 - 9 mils	Castellated Holes: No	Cage Code: No
Material: FR4 150 Tg	Controlled depth Milling: No	UL Certification: No
Solder Mask Sides: Both	Panelization / Routing: Tab	Serialization: No
Solder Mask Color: Red	Panel approval prior to Manufacturing: No	FAI: None
Silkscreen Sides: Both	Standard Construction: Yes	Export Controlled (EAR/ITAR): No
Silkscreen Color: White	Engineering Level: Limited Review	Electrical Test: Yes
Silkscreen Clipping: Yes	Selective Plating: No	File Conversion: No

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	\$834.60	n/a	\$1552.08	\$1147.53	n/a	n/a	n/a	

Assembly Details

Turn-Key Quantity: 2

Turn-Key Labor: \$1,552.08

Turn-Key Parts: \$834.60

Turn-Key Total: \$2,386.68

File Details					
SQW-150887-2025520104140318-20250516080310-GRAMS_Charge_Pre-Amplifierzip.zip					
3 - Charge_Pre-Amplifier.cad	198.8KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-B_Cu.gbr	1.4MB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-B_Mask.gbr	9.1KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-B_Paste.gbr	4.4KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-B_Silkscreen.gbr	57.5KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-Edge_Cuts.gbr	1.2KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-F_Cu.gbr	81.5KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-F_Mask.gbr	15.7KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-F_Paste.gbr	10.9KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-F_Silkscreen.gbr	277.4KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-In1_Cu.gbr	289.1KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-In2_Cu.gbr	579KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-In3_Cu.gbr	37.6KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-In4_Cu.gbr	41.3KB	5/16/2025 10:58 AM

3 - Charge_Pre-Amplifier-In5_Cu.gbr	39.5KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-In6_Cu.gbr	310.1KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-In7_Cu.gbr	711.7KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-In8_Cu.gbr	289.1KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-job.gbrjob	6.5KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-NPTH.drl	800B	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-NPTH-drl_map.gbr	30KB	5/16/2025 10:58 AM	3 - Charge_Pre-Amplifier-PTH.drl	16.1KB	5/16/2025 10:58 AM
3 - Charge_Pre-Amplifier-PTH-drl_map.gbr	287KB	5/16/2025 10:58 AM	Charge_Pre-Amplifier_BOM.xlsx	17.6KB	5/16/2025 10:57 AM