

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-364
Item to be Scouted	DC-DC Step-Down Power Module
Days to be scouted	21
Response Due By	12/11/2024
Description	Seeking a domestic manufacturer capable of producing a DC-DC step-down power module. Specifically looking for a module similar to the MAXM17502ALI#, a compact, high-efficiency step-down module with an integrated inductor. It supports output currents up to 2.5A, features a programmable output voltage, and is optimized for applications requiring a small footprint and high efficiency with minimal external components.
Notify Requester Immediately	Yes
State item to be used in	Massachusetts

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic Assembly
Provide dimensions / size / tolerances / performance specifications for the item	<ul style="list-style-type: none">• Package: 10-pin TDFN, approximately 2.6mm x 3mm footprint• Input voltage range: 4.5V to 60V• Output current: Up to 2.5A• Efficiency: Up to 90%• Operating temperature: -40°C to +125°C <p>Link below has additional specifications (https://www.digikey.com/en/products/detail/analog-devices-inc-maxim-integrated/MAXM17502ALI/7381723?)</p>
List required materials needed to make the product, including materials of product components	Link below has additional specifications (https://www.digikey.com/en/products/detail/analog-devices-inc-maxim-integrated/MAXM17502ALI/7381723?)
Are there applicable certification requirements?	Yes
Certification(s) required	ISO ,UL
Are there applicable regulations?	Yes
Details	RoHS
Are there any other standards, requirements, etc.?	No
NAICS 1	334416 Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
NAICS 2	334419 Other Electronic Component Manufacturing
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	300 Per Year
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Estimated target price / unit cost information (if unavailable explain)	Less than 4 USD.
When is it needed by?	Q1 2025
Describe packaging requirements	Best available. To be determined in negotiations
Where will this item be shipped?	Taiwan

Additional Comments

Is there other information you would like to include?	Learn about MEP's exporting service (https://www.nist.gov/mep/exporting-services)
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