

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

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| Scouting Number | 2024-365 |
| Item to be Scouted | DC Motor Controller |
| Days to be scouted | 21 |
| Response Due By | 12/11/2024 |
| Description | Looking for a domestic manufacturer that can produce DC motor controls for DC axials. Specifically look for a DC Motor Controller that can control a fan similar to the Sanyo Denki San Ace 9HVA0812P1G0011 which is an 80mm x 80mm DC axial fan. It operates at 12V DC and is built to provide high airflow and high static pressure, typically for use in applications that require reliable cooling in compact spaces. |
| Notify Requester Immediately | Yes |
| State item to be used in | Massachusetts |

Section 2: Technical Information

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| 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"> • Dimensions: 80 (H) × 45 (W) × 17 (D) mm • Rated Voltage: 12/24/48 VDC • Power Consumption: 0.2 W <p>Input Terminal:</p> <ul style="list-style-type: none"> • Input voltage range: 7 to 60 V • Control voltage range: 0 to 5.5 V <p>Output Terminal:</p> <ul style="list-style-type: none"> • PWM (Pulse Width Modulation): VOH = 3.3/5 VDC • PWM Frequency: 25 kHz • Current: 20 mA max. (4 terminals) • Breakdown Voltage: 6.5 V • Number of Connectable Fans: Up to 4 • Control Functions: PCB type, PWM frequency of 25 kHz, Voltage control • Mass: 27 g |
| List required materials needed to make the product, including materials of product components | Various |
| Are there applicable certification requirements? | Yes |
| Certification(s) required | ISO ,UL |
| Are there applicable regulations? | Yes |
| Details | RoHS, EN |
| Are there any other standards, requirements, etc.? | No |
| NAICS 1 | 335312 Motor and generator manufacturing |
| NAICS 2 | 334419 Other Electronic Component Manufacturing |

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| Additional Technical Comments | |
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Section 4: Business Information

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| Estimated potential business volume | 300 Per Year |
| Estimated target price / unit cost information (if unavailable explain) | Less than 120 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

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| 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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