

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2024-325
Item to be Scouted	Medical-Grade Injection Molded Components & Flexible PCB Assembly
Days to be scouted	15
Response Due By	10/31/2024
Description	<p>We are seeking a manufacturer capable of producing and assembling components using Santoprene™ 8281-35MED Thermoplastic Vulcanizate (TPV), Polyarylamide IXEF GS-1022, and flexible PCB boards through injection molding and PCB assembly. The ideal manufacturer will have experience in medical-grade materials, flexible circuits for wearable tech, and precision molding for high-quality parts with strict tolerances.</p> <p>Material Requirements:</p> <p>Santoprene™ 8281-35MED Thermoplastic Vulcanizate (TPV)          Application: Medical covers, buttons.          Tolerance: +/- 0.003 in.          Volume: 50-100 parts per batch.          Finish: PM-F1 (cosmetic), SPI-A2 (non-cosmetic).</p> <p>Polyarylamide IXEF GS-1022          Application: Structural components like cases and actuator covers.          Reinforcement: 50% glass-fiber.          Tolerance: +/- 0.002 in.          Volume: 100 parts per batch.          Finish: PM-F1.</p> <p>Flexible PCB Boards          Application: Wearable technology.          Production: Small to medium batches (e.g., 50 units).          Assembly: SMT and through-hole, stencil preparation, and component placement.</p>
Notify Requester Immediately	No
State item to be used in	New Jersey

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	Past supplier no longer available
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<ul style="list-style-type: none"> <li>- Injection Molding: High-precision parts, meeting both cosmetic and non-cosmetic standards.</li> <li>- PCB Assembly: Expertise in flexible circuit manufacturing and assembly.</li> <li>- Material Expertise: Familiarity with medical-grade materials (e.g., ISO 10993 compliance).</li> <li>- Volume Flexibility: Small-batch production (50-100 parts).</li> </ul> <p>The drawings and specifications will be shared during the interview stage, after the listing has closed.</p>

Provide dimensions / size / tolerances / performance specifications for the item	<p>Santoprene™ 8281-35MED Thermoplastic Vulcanizate (TPV)  Application: Medical covers, buttons.  Tolerance: +/- 0.003 in.  Volume: 50-100 parts per batch.  Finish: PM-F1 (cosmetic), SPI-A2 (non-cosmetic).</p> <p>Polyarylamide IXEF GS-1022  Application: Structural components like cases and actuator covers.  Reinforcement: 50% glass-fiber.  Tolerance: +/- 0.002 in.  Volume: 100 parts per batch.  Finish: PM-F1.</p>
List required materials needed to make the product, including materials of product components	<p>Santoprene™ 8281-35MED TPV  Polyarylamide IXEF GS-1022</p>
Are there applicable certification requirements?	Yes
Certification(s) required	ISO
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	326199 All Other Plastics Product Manufacturing
NAICS 2	334418 Printed circuit assembly (electronic assembly) manufacturing
Additional Technical Comments	ISO 10993 compliance

## Section 4: Business Information

Estimated potential business volume	We would like to get as many complete units as we can for \$50k. This is a one-time purchase.
Estimated target price / unit cost information (if unavailable explain)	See above
When is it needed by?	The product is needed within 1 year.
Describe packaging requirements	Standard. Product must be delivered undamaged via best available means
Where will this item be shipped?	New Jersey

## Additional Comments

Is there other information you would like to include?	
---	--