

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-228
Item to be Scouted	Keyboard Assembly
Days to be scouted	60
Response Due By	08/31/2025
Description	The buyer is seeking a contract manufacturer for a keyboard assembly project. The core task involves final assembly of multiple precision sub-components, including plastic injected housings, HCR silicone rubber gaskets, printed

## Section 2: Technical Information

Type of supplier being sought	Contract manufacturer and potentially cold lamination. Sub-component tooling and SMT work are potential future additions, so suppliers with in-house molding and electronics capabilities are preferred.
Reason	Florida
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Assembly of sub-components into a final assembly. The sub-components include plastic injected parts, High Consistency Rubber (HCR) silicone rubber molded gaskets and parts, 3M adhesives tapes, Printed Circuit Board Assemblies (PCBAs), flexible mylar membranes with silver ink printed circuits, and USB cables. Fiber laser etching of plastic parts is required. Testing fixture designs are done and will be provided to ensure upper-level assembly processes are done to specifications.
Provide dimensions / size / tolerances / performance specifications for the item	Specifications of parts can be provided along with BOM and SOPs. The current request will be to find upper-level assembly partners. If we decide to make subcomponents onshore than drawings which will be used to re-tool injection molds, rubber compression molds, die molds, PCBA files, etc., will be provided.
List required materials needed to make the product, including materials of product components	Acrylonitrile Butadiene Styrene (ABS), Printed Circuit Board with Flame Retardant Grade 4 (PCB FR4), 3M adhesives, HCR silicone, stainless steel plastic screws, mylar film, silver conductive ink, USB cables and USB-A jackets
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	Looking for a manufacturer with the following capabilities: <ul style="list-style-type: none"><li>- Access to tooling for injection molding (compression molding is a plus)</li><li>- Internal SMT (Surface-Mount Technology) capabilities or a reliable SMT partner</li><li>- Experience producing products that meet IP (Ingress Protection) waterproof ratings</li><li>- Onsite fiber laser marking capabilities</li><li>- Cold lamination experience is a plus</li></ul>

## Section 4: Business Information

Estimated potential business volume	50K units per year
Estimated target price / unit cost information (if unavailable explain)	< \$3 USD per product for upper-level assembly. < \$12 USD for entire build to include creation of sub components and upper-level assembly
When is it needed by?	9/2/2025
Describe packaging requirements	Products are individually boxed and then added to master cartons. Labeling is on individual boxes, mast cartons, and individual products.
Where will this item be shipped?	Jacksonville, FL

## Additional Comments

Is there other information you would like to include?