

## \*\*COMPLETE THIS FORM TO INITIATE SUPPLIER SCOUTING\*\*

## **MEPNN Supplier Scouting Opportunity Synopsis**

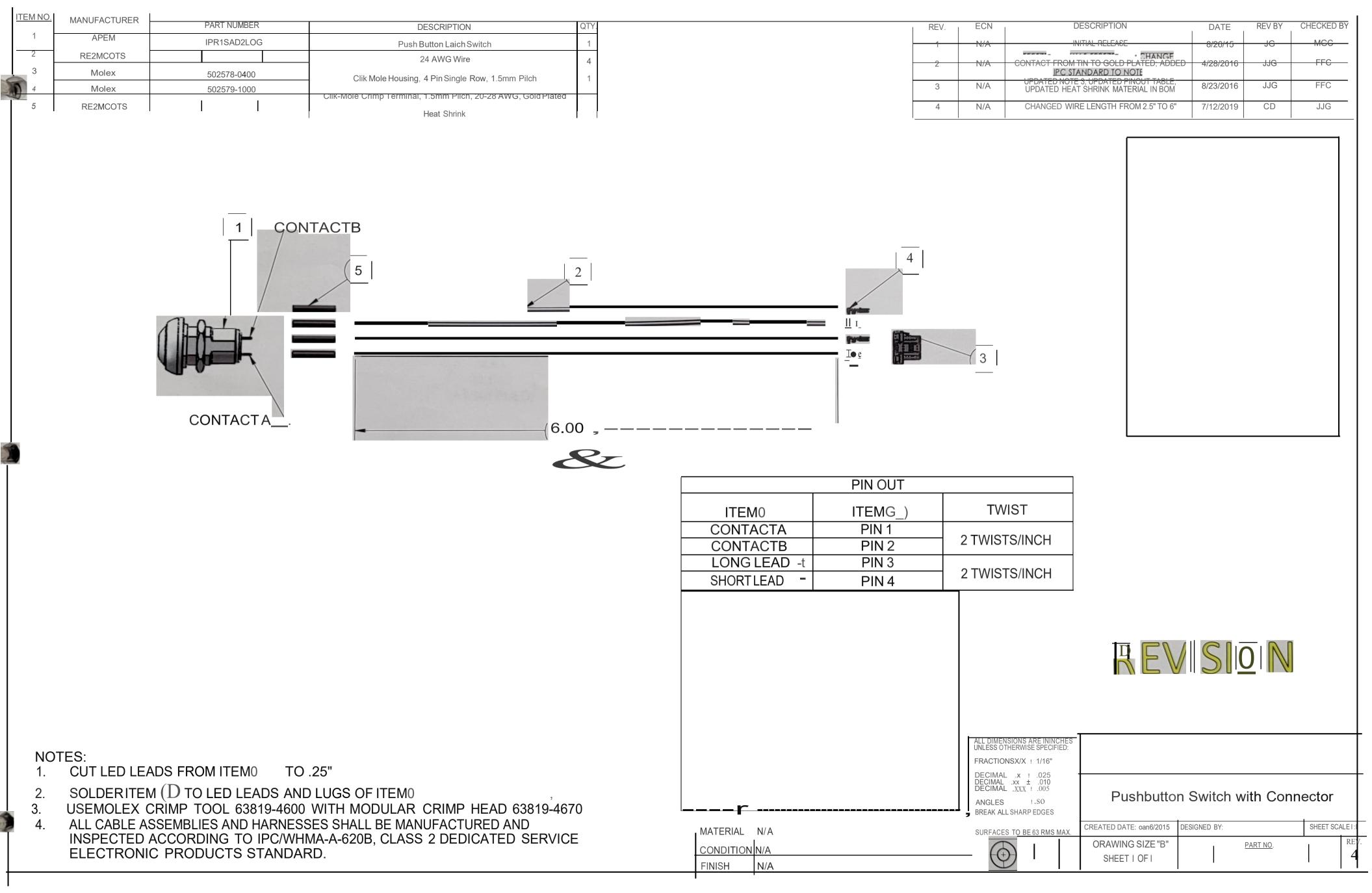
\*The submitting entity (MEP Center, requesting company, federal/state agency, other) agrees to notify NIST MEP of the status of actions taken as a result of this scouting instance within 30 days after receiving a results report. Notification should be via email to <a href="mailto:scouting@nist.gov">scouting@nist.gov</a>, indicating the following:

- Contact with matches identified in report complete and supply contract awarded, process complete
- Contact with matches identified in report complete and no supply contract awarded, process complete
- Contact with matches identified in report complete and supply negotiations underway, process in progress
- Contact with matches identified in report underway; supply negotiations not yet begun; process in progress
- Contact with matches identified in report not yet begun, process in progress

	• Cor	ntact with matches identified in report will not occur within the next 6-months, process complete
Cable	e Asse	mbliesdays
Item to	be Scoute	Opportunities will be postedfor 30 days unless specified
Please o	describe t	ne item application/ the end use of item.* Provide the item number if applicable: (N95 Mask vs Protective Mask).
Cabl	e Asse	mblies used in robotics applications.
2021		
Supplier	Scouting	Number (NIST MEP use)
Coouting	- aataa	Warnduck NAICS Code if Irrania
		a. Type of supplier being sought*
TECHNICAL INFORMATION	1. Su	■ Manufacturer
N N	ppli	□ Other
) AL	ier I	b. Reason for scouting submission*
Ę	nfo	☐ 2 <sup>nd</sup> Supplier ☐ Price ☐ Re-shore ☐ Past supplier no longer available
ÖR	Supplier Information	New Product Startup
MAT		☐ Other
NOI	_	a. Describe the manufacturing processes (elaborate to provide as much detail as possible).*
	2. Summary of Performance	see additional comments section
	nary anc	b. Provide dimensions / size / tolerances / performance specifications for the item.*
	≀ of Technica e Requireme	10AWG to 32AWG crimps and splicing. All dimensions for heat shrink, cable lengths, and other physical
		dimensions will be provided in the drawing. Quality inspections must be made per the dimensions in the
	nnic rem	drawing.  c. List required materials needed to make the product, including materials of product components.*
	<u> </u>	·
	Specifications and its:	Please reference attached prints and pictures. All other information will be provided upon request during the quoting process.
	fica	
	tion	
	is an	
	g	



	Requirements cont:		d. Are there applicable certification requirements?*   Yes  No Please explain
		2. Sun	
		nmary	e. Are there applicable regulations?*   Yes  No
		of Te	Please explain
		Summary of Technical Specifications	
	nents	pecifica	f. Are there any other standards, requirements, etc.?*   Yes  Ro  Please explain
	Cont:	and	
			g. Additional Comments: Is there other information that would impact the item's performance or usefulness? Please explain.
		Performance	Manufacturing processes: Design cable assemblies that are simple single conductor cables with crimps, to 20+ conductor, varying gauges size, and integrated with several cots and machined components with varying heat shrink and sheathing needs.
В	Pı	ω.	3a. Estimated potential business volume (i.e., # Units Per Day, Month, Year) *:
BUSINESS INFORMATI	Pricing	me	Prototyping of 1-5 pieces per job Production of 1-25+ pieces per job various complexities
		and	b. Estimated target price / unit cost information (flexible and negotiable not accepted) *:
)RM			will vary based upon complexity and turnaround time
		4.	a. When is it needed by? (Immediate, 30 Days, 6 months, etc.)*
ON:		Deliver	Company has both short term and medium-term requirements. Suppliers need to be prepared to quote and provide available capacity for 3, 5, 10, 15 and 20+ day turnaround (delivery to customer).  b. Describe packaging requirements (i.e., individually/group packaging)*
		Delivery Requirements:	At a minimum each item to be labeled with part number and revision number. Orders to be shipped complete and no short shipments will be allowed unless authorized by customer in advance.
		mei	c. Where will this item be shipped?*
		nts:	Pittsburgh, PA
	Comments:	5.	Is there other information you would like to include?
		Additiona	
	ts:	nal	



ITEM NO.	MANUFACTURER	PART NUMBER	DESCRIPTION	MATERIAL	QTY
I	ОТТО	P7-57l l22	Sealed Subminiature Pushbutton Switch	N/A	1
2	Molex	51021-0200	PicoBlade, 2Pin, CrimpHousing	Thermoplastic Resin	1
3	Molex	500798100	Crimp Terminal	N/A Alphowire	2
4			28 AWG Wire 2, Teflon	6820-WHOOS	2

ALL CABLE ASSEMBLIES AND HARNESSES SHALL BE MANUFACTURED

AND INSPECTED ACCORDING TO IPC/WHMA-A-620B, CLASS2

**DEDICATED SERVICE ELECTRONIC PRODUCTS**STANDARD

REV	DESCRIPTION	DATE	REV BY	APPROVED
1	INITIAL RELEASE	8/26/15	JG	MGC
2	ADD IPC STANDARD NOTE	6/17/2016	JJG	FFC
3	ORIENTATION OF WIRES TO BE	8/5/2016	JJG	FFC
3	ENDICULAR TO SWITCH	0,0,00		
4	ADD PICTURES FOR BETTER DETAIL OF HOT GLUE	9/20/2016	JJG	FFC
7	7.55 7.50 7.51 7.51 7.51 7.51 7.51 7.51 7.51 7.51			

Otto Pushbutton Switch Terminated

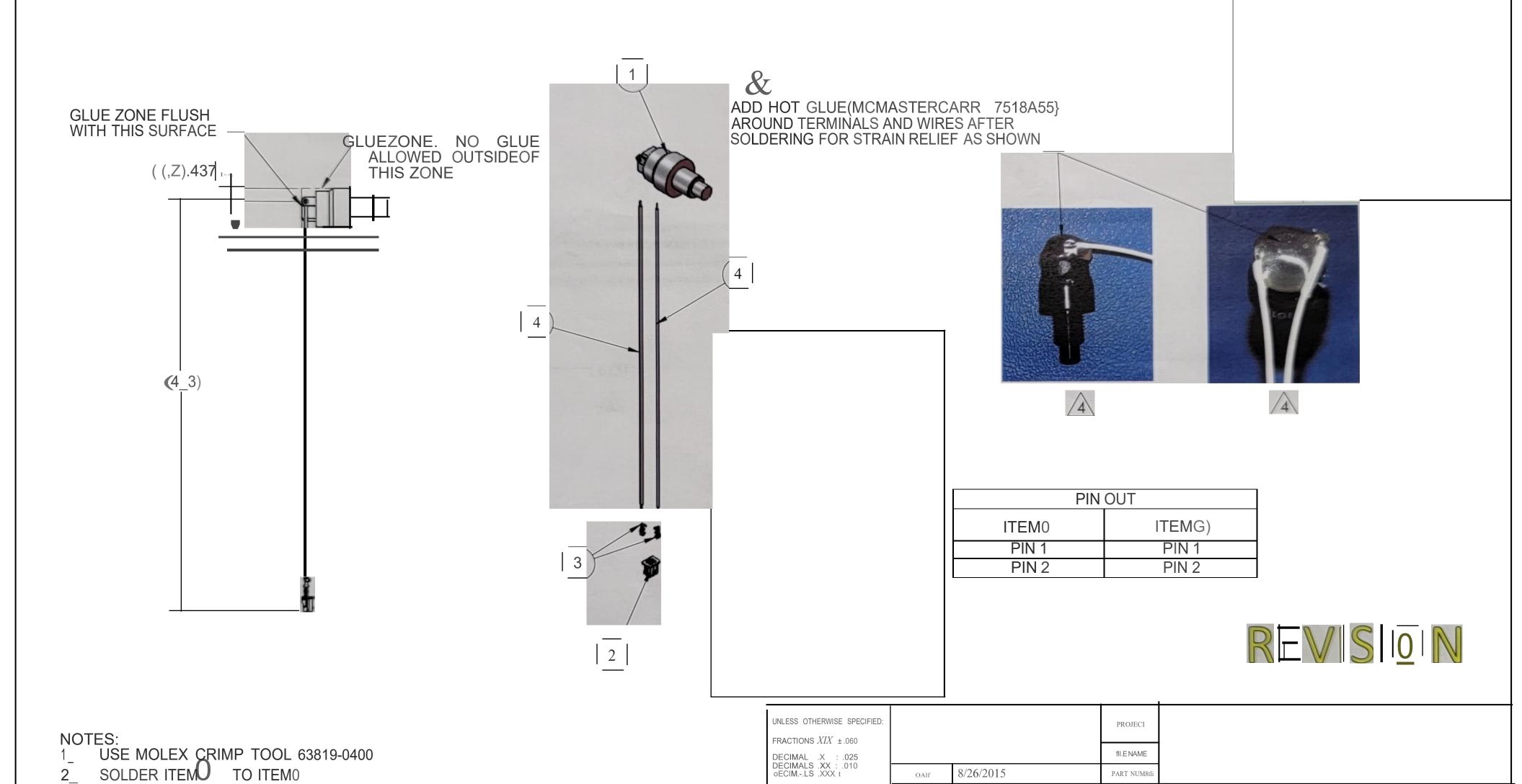
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MAltRIAL

N/A

N/A

SHEET 1 of 1



ANGLES 15'

UNITS: INCHES

3REAK ALL SHARP EDGES

SURFACES TO BE 125 RMS MAX

SCALE: I: I NOTTO\$CALE

