

# Series 80 Mighty Mouse Contacts and Tools

## Pneumatic Contacts and Grommet Sealing Plugs



### Size #12 pneumatic contacts



Stainless steel pneumatic contacts attach to 3/32 inch (2.38) diameter tubing. Socket contact has o-ring and PTFE backup washers. Contacts snap into size #12 connector cavities. Ideal for pitot tube connections, these pneumatic contacts are rated for 100 PSI maximum air pressure. No installation tool is required. Remove contacts with plastic extraction tool 809-132.

Contact Type	Tube I.D.	Part Number
Pin	.094 (2.38)	<b>830-004*</b>
Socket	.094 (2.38)	<b>830-003*</b>

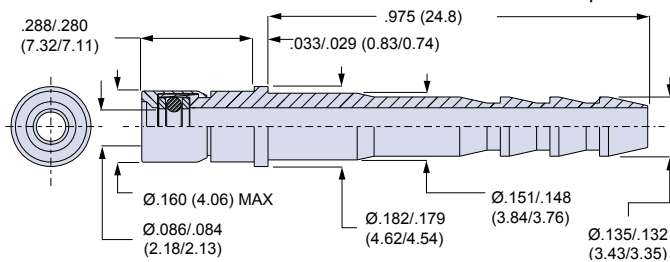
\*857-004 supercedes 857-011

\*857-003 supercedes 857-010

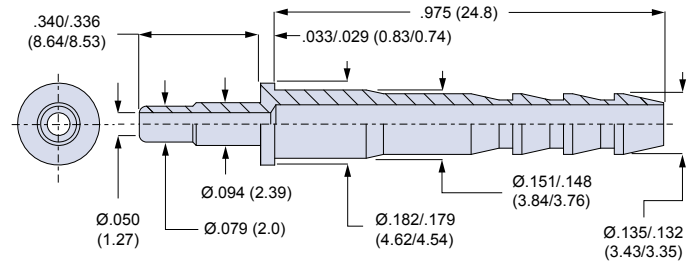
#### NOTES

##### Material and Finish

- Body and Cap: stainless steel, passivated
- O-ring: fluorosilicone
- Washers: PTFE

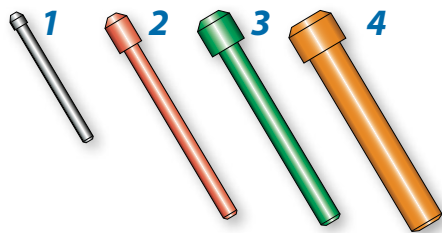


**830-004 Socket Contact**



**830-003 Pin Contact**

### Grommet sealing plugs



Grommet sealing plugs are used to seal unwired contact cavities. The size #23 sealing plug is specially designed to fit Glenair Series 80 grommets. Sizes 20, 16 and 12 plugs conform to MS27488 requirements. After installing unwired contacts into unused cavities, insert knob end of sealing plug into grommet until it bottoms against the unwired contact per illustration. Install sealing plugs with standard contact insertion/extraction tools. Size #23 plug is polyphenylsulphone, other sizes are per MS27488 requirements.

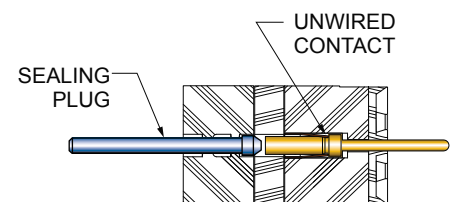


Fig.	Size	Color	Part Number	Military Part Number	Insertion/ Removal Tool	A Ref.		B Ref.		C Ref.		D Ref.	
						in.	mm.	in.	mm.	in.	mm.	in.	mm.
1	#23	Black	<b>809-155</b>	(None)	M81969/14-01	.040	1.02	.51	13.0	.052	1.32	.050	1.27
2	#20	Red	<b>859-012</b>	MS27488-20-2	M81969/14-11	.053	1.35	.82	20.8	.085	2.16	.125	3.18
3	#16	Green	<b>859-013</b>	MS27488-16-2	M81969/14-03	.074	1.88	.88	22.4	.125	3.18	.125	3.18
4	#12	Orange	<b>859-014</b>	MS27488-12-2	M81969/14-04	.120	3.05	.85	21.6	.165	4.19	.125	3.18



#### Installation of Sealing Plugs

"When installing sealing plug in connector cavities without contacts, the end opposite the knob shall be inserted first and the knob shall be seated against the grommet face. When installing into cavities with contacts, the sealing plugs shall be installed knob end first and shall bottom on the contact wire barrel." (NAVAIR 01-1A-505-1 Installation manual)



Dimensions in Inches (millimeters) are subject to change without notice.

# Mouser Electronics

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