

Series 804 Mighty Mouse, Push-Pull PC Tail or Solder Cup Panel Mount Plug 804-009, 804-021 Ordering Information



Series 804



Environmental, PCB Receptacle 804-009 connectors feature low profile shells for minimum protrusion inside enclosures and integral board standoffs. Contacts are non-removable. Specify 804-009 connectors for applications where open face water immersion is not a requirement.

Water Tight PCB Receptacle 804-021 connectors are identical to 800-012 but are specially sealed ("MOD-518") and 100% tested to maintain a helium leak rate of less than 1×10^{-4} cc/second at one atmosphere pressure differential. Connectors meet MIL-STD-810 Method 512G immersion requirements in unmated/open face condition.

How To Order						
Sample Part Number	804-009	-07	NF	10-26	E	A
Series	804-009 = Panel Mount Plug, Standard Potting 804-021 = Panel Mount Plug, Resilient Silicone Potting for Watertight Seal from -40° to +70°C (1 ATM Pressure Differential)					
Shell Style (See Table I)	-00 = Jam-Nut, Front Panel Mount -02 = Flange Mount -07 = Jam-Nut, Rear Panel Mount					
Shell Material and Finish	C = Aluminum / Black Anodize (Non-Conductive); RoHS Compliant M = Aluminum / Electroless Nickel; RoHS Compliant MT = Aluminum / Nickel-PTFE RoHS Compliant NF = Aluminum / Cadmium with Olive Drab Chromate ZNU = Aluminum / Zinc-Nickel with Black Chromate Z1 = Stainless Steel / Passivated; RoHS Compliant					
Shell Size - Insert Arrangement	See Contact Arrangements Page G-2					
Contact Type	P = Pin, PC Tail E = Pin, Solder Cup S = Socket, PC Tail F = Socket, Solder Cup					
Polarization (See Table II)	Omit = Single Master Key A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					

Table I: Shell Style		
-00 Jam-Nut, Front Panel Mount	-07 Jam-Nut, Rear Panel Mount	-02 Flange Mount

NOTES

1. Contacts are nonremoveable and connector is back potted
2. Connector, plug mates with all push/pull high density receptacle connectors with same polarization and opposite contact gender

Table II: Key Positions			
	Pos.	A°	B°
	A	150°	210°
	B	75°	210°
	C	95°	230°
	D	140°	275°
	E	75°	275°
	F	95°	210°

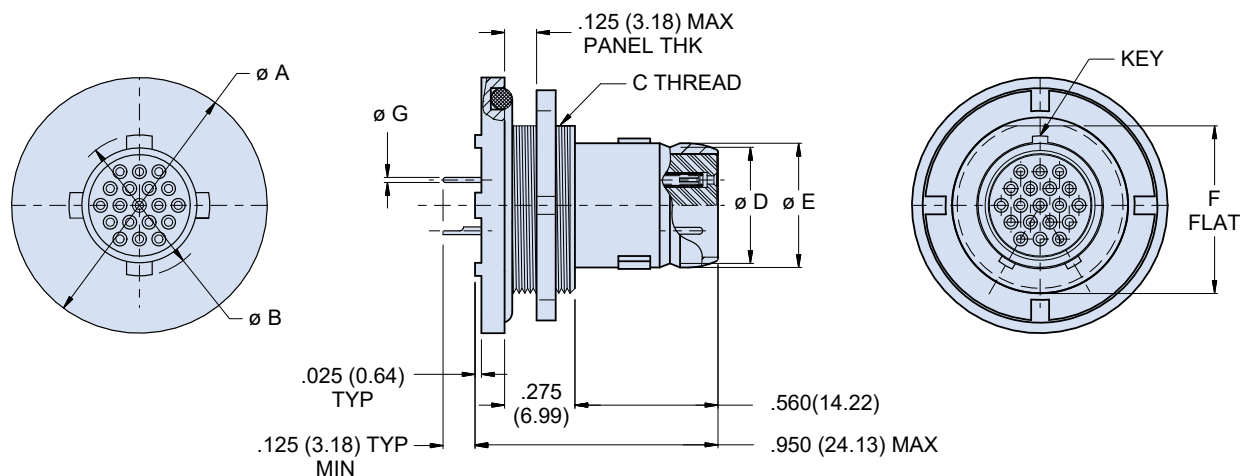
Dimensions in Inches (millimeters) are subject to change without notice.



Series 804 Push-Pull Mighty Mouse PC Tail or Solder Cup Panel Mount Plug

804-009-07, 804-021-07 Dimensions

Jam-nut, rear panel mount plug - shell style 07



Dimensions							
Shell Size	Ø A	Ø B	C Threads	Ø D	Ø E	F Flat	Ø G Tail Dia.
5	.790 (20.07)	.244 (6.20)	.4375-32 UN-2A	.219 (5.56)	.250 (6.35)	.415 (10.54)	#23 .018/.022 (0.46/0.56)
6	.830 (21.08)	.330 (8.38)	.5000-32 UN-2A	.282 (7.16)	.313 (7.95)	.467 (11.86)	
7	.910 (23.11)	.432 (10.97)	.6250-28 UN-2A	.351 (8.92)	.383 (9.73)	.594 (15.09)	
8	.955 (24.26)	.493 (12.52)	.6250-28 UN-2A	.398 (10.11)	.429 (10.90)	.594 (15.09)	#20 .024/.028 (0.61/0.71)
9	1.000 (25.40)	.551 (14.00)	.6875-28 UN-2A	.454 (11.53)	.486 (12.34)	.655 (16.64)	
10	1.085 (27.56)	.620 (15.75)	.7500-28 UN-2A	.529 (13.44)	.563 (14.30)	.721 (18.31)	#16 .060/.064 (1.52/1.63)
11	1.135 (28.83)	.662 (16.81)	.8125-28 UN-2A	.587 (14.91)	.618 (15.70)	.790 (20.07)	
12	1.180 (29.97)	.703 (17.86)	.8750-28 UN-2A	.646 (16.41)	.676 (17.17)	.843 (21.41)	#12 .092/.096 (2.34/2.44)
14	1.325 (33.65)	.863 (21.92)	1.0000-28 UN-2A	.768 (19.51)	.800 (20.32)	.968 (24.59)	

Jam-Nut Rear Panel Mount Cutout Dimensions		
Shell Size	A Flat	Ø B
5	.425 (10.80) .421 (10.69)	.448 (11.38) .443 (11.25)
6	.477 (12.12) .473 (12.01)	.510 (12.95) .505 (12.83)
7	.590 (14.99) .586 (14.88)	.635 (16.13) .630 (16.00)
8	.604 (15.34) .600 (15.24)	.635 (16.13) .630 (16.00)
9	.665 (16.89) .661 (16.79)	.698 (17.73) .693 (17.60)
10	.731 (18.57) .727 (18.47)	.760 (19.30) .755 (19.18)
11	.800 (20.32) .796 (20.22)	.823 (20.90) .880 (22.35)
12	.853 (21.67) .849 (21.56)	.885 (22.48) .880 (22.35)
14	.978 (24.84) .974 (24.74)	1.010 (25.65) 1.005 (25.53)

Material and Finish

- Shell, jam-nut: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.

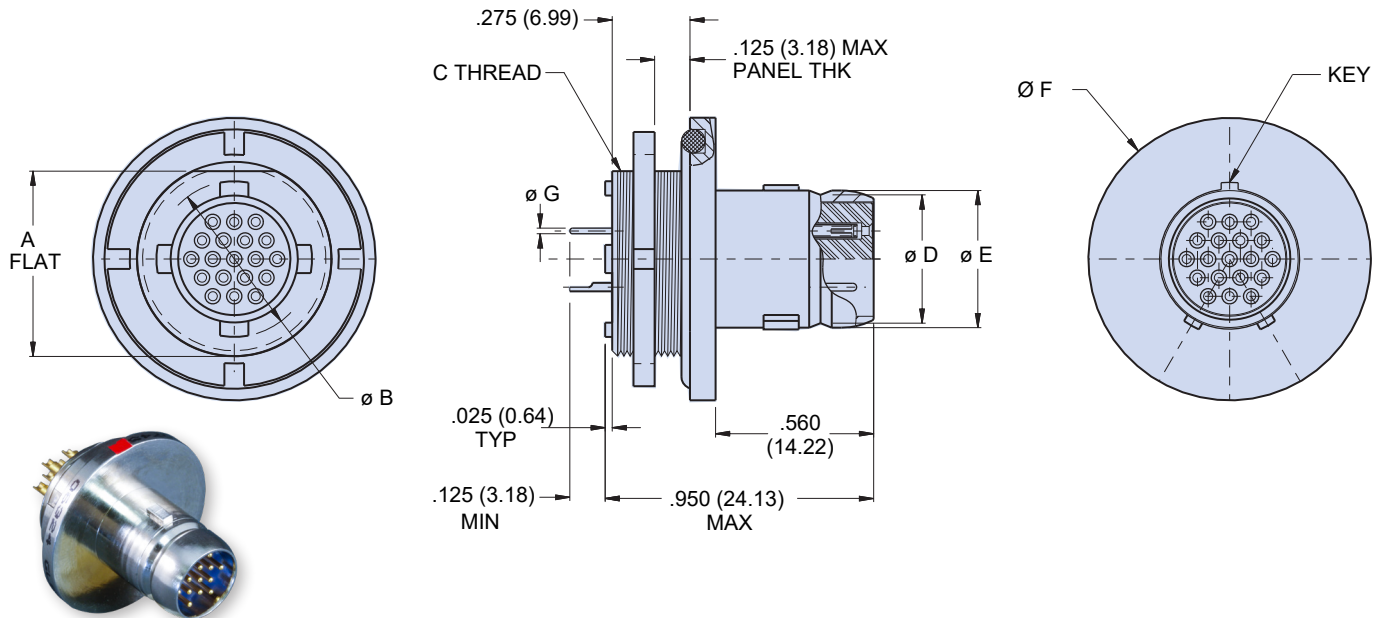
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**Series 804 Push-Pull Mighty Mouse
PC Tail or Solder Cup Panel Mount Plug
804-009-00, 804-021-00 Dimensions**



Series 804

Jam-nut, front panel mount plug - style 00



Dimensions							
Shell Size	A Flat	Ø B	C Threads	Ø D	Ø E	Ø F	Ø G Tail Dia.
5	.415 (10.54)	.244 (6.20)	.4375-32 UN-2A	.219 (5.56)	.250 (6.35)	.730 (18.54)	#23 .018/.022 (0.46/0.56)
6	.467 (11.86)	.330 (8.38)	.5000-32 UN-2A	.282 (7.16)	.313 (7.95)	.730 (18.54)	
7	.594 (15.09)	.432 (10.97)	.6250-28 UN-2A	.351 (8.92)	.383 (9.73)	.910 (23.11)	
8	.594 (15.09)	.493 (12.52)	.6250-28 UN-2A	.398 (10.11)	.429 (10.90)	.955 (24.26)	#20 .024/.028 (0.61/0.71)
9	.655 (16.64)	.551 (14.00)	.6875-28 UN-2A	.454 (11.53)	.486 (12.34)	1.000 (25.40)	#16 .060/.064 (1.52/1.63)
10	.721 (18.31)	.620 (15.75)	.7500-28 UN-2A	.529 (13.44)	.563 (14.30)	1.085 (27.56)	
11	.790 (20.07)	.662 (16.81)	.8125-28 UN-2A	.587 (14.91)	.618 (15.70)	1.140 (28.96)	#12 .092/.096 (2.34/2.44)
12	.843 (21.41)	.703 (17.86)	.8750-28 UN-2A	.646 (16.41)	.676 (17.17)	1.180 (29.97)	
14	.968 (24.59)	.863 (21.92)	1.0000-28 UN-2A	.768 (19.51)	.800 (20.32)	1.325 (33.65)	

Jam-Nut Front Panel Mount Cutout Dimensions		
Shell Size	N Flat	Ø M
5	.482 (12.24) .478 (12.14)	.510 (12.95)
6	.542 (13.77) .538 (13.67)	.575 (14.60)
7	.676 (17.17) .671 (17.04)	.698 (17.73)
8	.676 (17.17) .671 (17.04)	.698 (17.73)
9	.732 (18.59) .728 (18.49)	.760 (19.30)
10	.801 (20.35) .796 (20.22)	.822 (20.88)
12	.982 (24.94) .978 (24.84)	1.010 (25.65)
14	1.032 (26.21) 1.028 (26.11)	1.075 (27.30)

Material and Finish

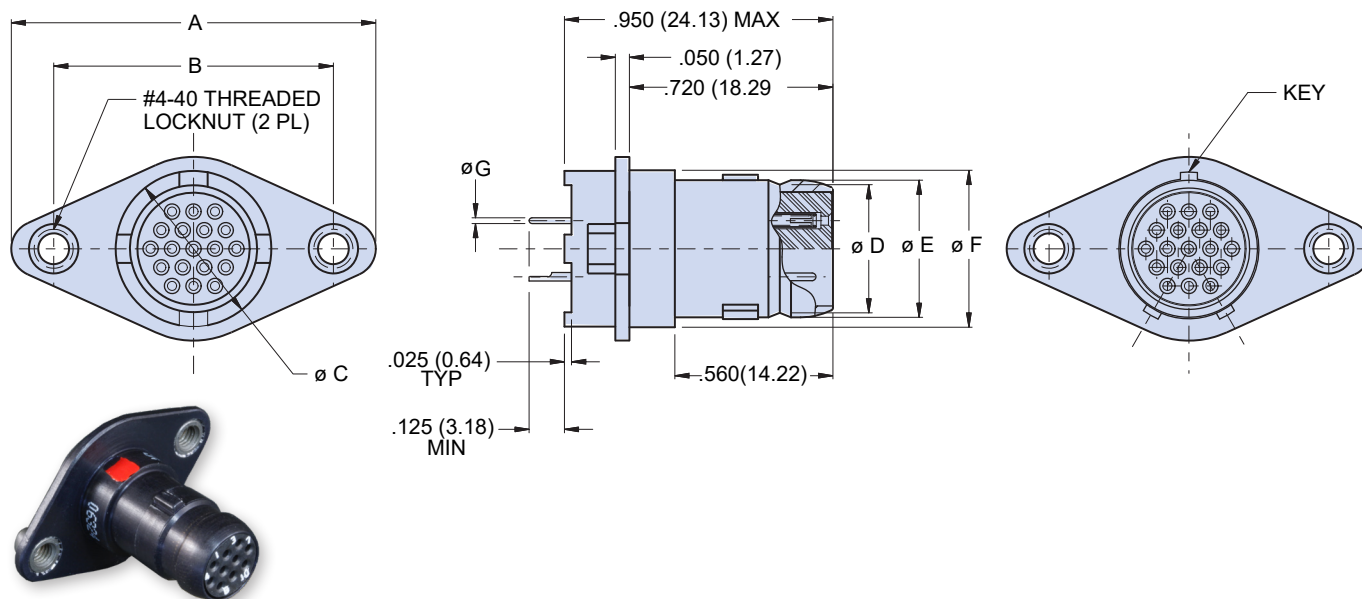
- Shell: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.

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



Series 804 Push-Pull Mighty Mouse PC Tail or Solder Cup Panel Mount Plug 804-009-02, 804-021-02 Dimensions

Flange mount receptacle - style 02



Dimensions

Shell Size	A	B ±.005 (.02)	Ø C	Ø D	Ø E	Ø F	Ø G Tail Dia.
5	1.055 (26.80)	.755 (19.18)	.244 (6.20)	.219 (5.56)	.250 (6.35)	.320 (8.13)	#23 .018/.022 (0.46/0.56)
6	1.120 (28.45)	.820 (20.83)	.330 (8.38)	.282 (7.16)	.313 (7.95)	.385 (9.78)	
7	1.185 (30.10)	.885 (22.48)	.432 (10.97)	.351 (8.92)	.383 (9.73)	.450 (11.43)	
8	1.230 (31.24)	.930 (23.62)	.493 (12.52)	.398 (10.11)	.429 (10.90)	.495 (12.57)	#20 .024/.028 (0.61/0.71)
9	1.290 (32.77)	.990 (25.15)	.551 (14.00)	.454 (11.53)	.486 (12.34)	.555 (14.10)	
10	1.360 (34.54)	1.060 (26.92)	.620 (15.75)	.529 (13.44)	.563 (14.30)	.625 (15.88)	#16 .060/.064 (1.52/1.63)
11	1.420 (36.07)	1.120 (28.45)	.662 (16.81)	.587 (14.91)	.618 (15.70)	.690 (17.53)	
12	1.485 (37.72)	1.185 (30.10)	.703 (17.86)	.646 (16.41)	.676 (17.17)	.750 (19.05)	-#12 .092/.096 (2.34/2.44)
14	1.600 (40.64)	1.300 (33.02)	.863 (21.92)	.768 (19.51)	.800 (20.32)	.865 (21.97)	

Material and Finish

- Shell: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.

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

Mouser Electronics

Authorized Distributor

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