

# Series 803 Mighty Mouse ¼ Turn Bayonet Coupling Bulkhead Feed-Thru Connector

## 803-010 Ordering Information



**Series 803 Bulkhead Feed-Thru** provides a separable connection on both sides of a mounting panel. Features quarter turn bayonet coupling. Jam-nut, rear panel mount or elliptical flange front or rear panel mount shell styles. Non removable, gold plated contacts available in pin-pin, pin-socket and socket-socket contact styles. Shell available in aluminum or stainless steel.

How To Order							
<b>Sample Part Number</b>	<b>803-010</b>	<b>-07</b>	<b>M</b>	<b>6-7</b>	<b>P</b>	<b>P</b>	<b>N</b>
<b>Series</b>	803-010 = Bulkhead Feed-thru						
<b>Shell Style (See Table I)</b>	-02 = Flange Mount -07 = Jam-Nut						
<b>Shell Material and Finish</b>	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						
<b>Shell Size - Insert Arrangement</b>	See page F-2 for contact arrangements						
<b>Contact Type, Jam-Nut Side</b>	P = Pin S = Socket						
<b>Contact Type, Opposite Side</b>	P = Pin S = Socket						
<b>Polarization (See Table II)</b>	N = Normal X = Pos. X Y = Pos. Y Z = Pos. Z						

Table I: Shell Style

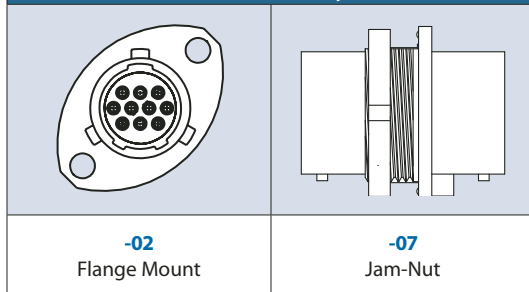
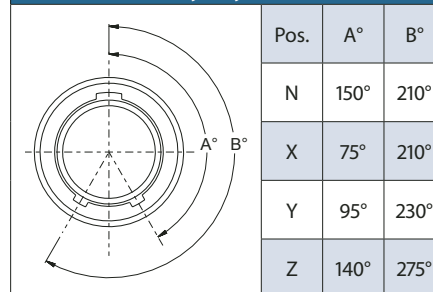


Table II: Keyway Polarization

**NOTES**

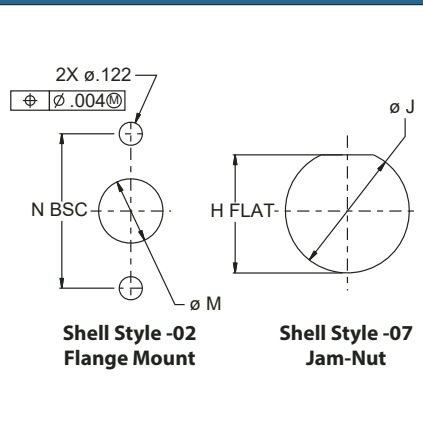
- For additional insert arrangements consult factory
- Contacts are nonremovable
- Connector mates with all bayonet plug connectors with same polarization and opposite contact gender

**Material and Finish**

- Shell, jam-nut: aluminum alloy or CRES / see how to order table
- Insulator: LCP or epoxy
- Interfacial seals: fluorosilicone/N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over a suitable underplate

Panel Cut-Out Dimensions

Shell Size	Ø M	N Bsc.	H Flat ± .002 (.05)	Ø B +.005 (+ 0.13) -.000 (-.00)
5	.382 (9.70)	.513 (13.03)	.355 (9.02)	.380 (9.65)
6	.445 (11.30)	.598 (15.19)	.415 (10.54)	.442 (11.23)
7	.520 (13.21)	.708 (17.98)	.541 (13.74)	.577 (14.66) .567 (14.40)
8	.592 (15.04)	.964 (24.49)	.601 (15.27)	.630 (16.00)
9	.645 (16.38)	1.017 (25.83)	.601 (15.27)	.630 (16.00)
10	.726 (18.44)	1.101 (27.97)	.729 (18.52)	.755 (19.18)
12	.832 (21.13)	1.204 (30.58)	.850 (21.59)	.880 (22.35)
14	.950 (24.13)	1.280 (32.51)	1.031 (26.19)	1.067 (27.10)



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

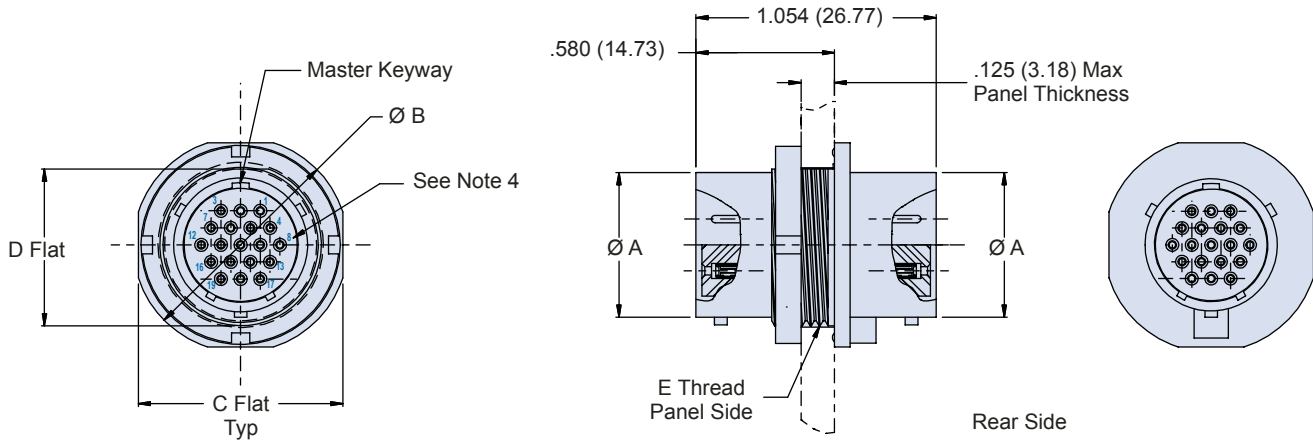
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803-010-07 and 803-010-02 Dimensions



Series 803

## Jam-nut rear panel mount feed-thru - shell style 07



## Flange mount front or rear panel mount feed-thru - shell style 02

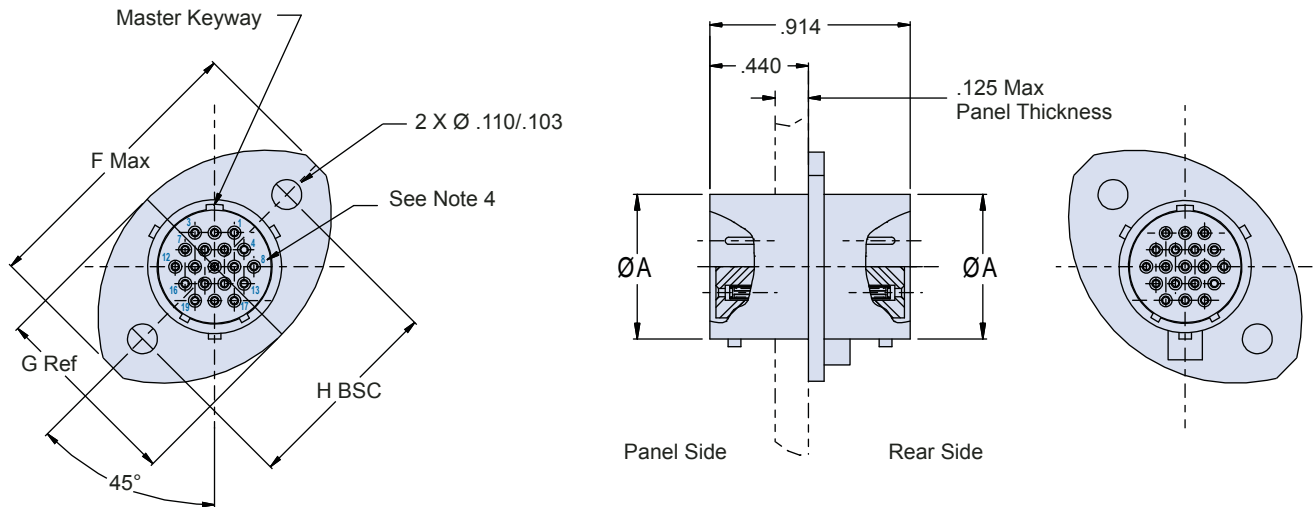


Table I: Dimensions

Shell Size	Ø A	Ø B	C Flat	D Flat	E Thread	F Max	G Ref	H Bsc	J Flat +.004 (.010) -.000 (0.25)	Ø K ±.005 (.02)
5	0.300 (7.62)	0.575 (14.60)	0.545 (13.84)	0.350 (8.89)	.3750-32 UNEF-2A	0.703 (17.86)	0.460 (11.68)	0.513 (13.03)	0.353 (8.97)	0.382 (9.70)
6	0.362 (9.19)	0.635 (16.13)	0.595 (15.11)	0.410 (10.41)	.4375-28 UNEF-2A	0.788 (20.02)	0.522 (13.26)	0.598 (15.19)	0.413 (10.49)	0.445 (11.30)
7	0.436 (11.07)	0.755 (19.18)	0.723 (18.36)	0.536 (13.61)	.5625-32 UN-2A	0.890 (22.61)	0.590 (14.99)	0.708 (17.98)	0.539 (13.69)	0.572 (14.53)
8	0.508 (12.90)	0.755 (19.18)	0.723 (18.36)	0.534 (13.56)	.5625-32 UN-2A	1.154 (29.31)	0.668 (16.97)	0.964 (24.49)	0.539 (13.69)	0.583 (14.81)
9	0.561 (14.25)	0.830 (21.08)	0.790 (20.07)	0.596 (15.14)	.6250-28 UN-2A	1.207 (30.66)	0.721 (18.31)	1.017 (25.83)	0.599 (15.21)	0.643 (16.33)
10	0.635 (16.13)	0.890 (22.61)	0.855 (21.72)	0.663 (16.84)	.6875-28 UN-2A	1.291 (32.79)	0.795 (20.19)	1.101 (27.97)	0.669 (16.99)	0.720 (18.29)
12	0.714 (18.14)	1.078 (27.38)	1.044 (26.52)	0.845 (21.46)	.875-28 UN-2A	1.394 (35.41)	0.874 (22.20)	1.204 (30.58)	0.848 (21.54)	0.885 (22.48)
14	0.865 (21.97)	1.264 (32.11)	1.230 (31.24)	1.022 (25.96)	1.0625-20 UN-2A	1.545 (39.24)	1.050 (26.67)	1.280 (32.51)	1.029 (26.14)	1.072 (27.23)
15	0.925 (23.50)	1.325 (33.65)	1.290 (32.77)	1.096 (27.84)	1.125-28 UN-2A	1.630 (41.40)	1.150 (29.21)	1.370 (34.80)	1.099 (27.91)	1.135 (28.83)

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