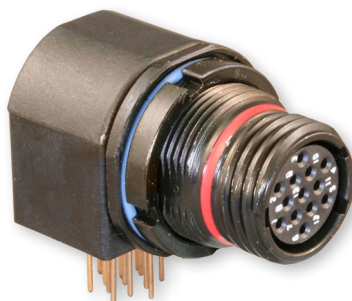




Series 801 Mighty Mouse Double-Start ACME Thread Right Angle PCB Receptacle 801-023 Ordering Information



Right Angle PCB Receptacle

connectors offer military grade performance in a small, lightweight package. These connectors are rated for MIL-STD-810 Method 512 immersion. High temperature thermoplastic housing withstands soldering temperatures. Stainless steel threaded inserts simplify attachment to printed circuit board.

- Double-Start ACME Thread
- Right Angle Contacts
- High Temperature Housing
- Threaded Inserts
- Environmentally Sealed

How To Order

Sample Part Number

801-023

-07

M

7-10

P

A

Series

801-023 = PCB Right Angle Receptacle

Shell Style

-07 = Jam Nut

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

5-3, 6-1, 6-23, 6-4, 6-6, 6-7, 7-1, 7-25, 7-10, 8-2, 8-28, 8-13, 9-4, 9-210, 9-19, 9-200, 10-2, 10-5, 10-201

Contact Type

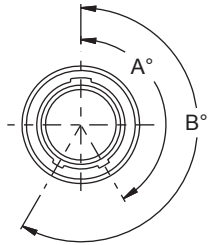
P = Pin S = Socket

Shell Key Positions (See Table I)

A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F

Table I: Alternate Keyway Positions

	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



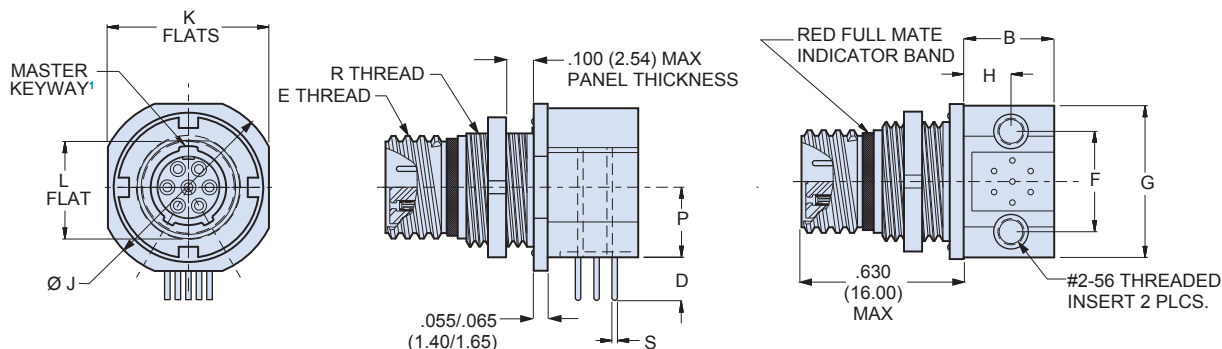
Dimensions in Inches (millimeters) are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Thread Right Angle PCB Receptacle 801-023 Dimensions

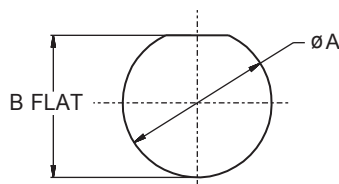


Series 801

Jam nut, rear panel mount - shell style 07



Recommended Panel Cutout



D

Shell Size/ Contact Arrangement	Ø A		B Flat		Shell Size/ Contact Arrangement	Ø A		B Flat	
	In. ± .005	mm. ± 0.13	In. ± .002	mm. ± 0.05		In. ± .005	mm. ± 0.13	In. ± .002	mm. ± 0.05
5-3	.385	9.78	.356	9.07	8-28	.572	14.55	.540	13.82
6-1	.447	11.37	.416	10.62	8-13	.572	14.55	.540	13.82
6-23	.447	11.37	.416	10.62	9-4	.635	16.13	.602	15.32
6-4	.447	11.37	.416	10.62	9-210	.635	16.13	.602	15.32
6-6, 6-7	.447	11.37	.416	10.62	9-19	.635	16.13	.602	15.32
7-1	.572	14.55	.540	13.82	9-200	.635	17.70	.602	15.32
7-25	.572	14.55	.540	13.82	10-2	.697	17.70	.664	16.87
7-10	.572	14.55	.540	13.82	10-5	.697	17.70	.664	16.87
8-2	.572	14.55	.540	13.82	10-201	.697	17.70	.664	16.87

NOTES

- Master keyway is located at top dead center for all arrangements except for the 8-13, which is 90° counter clockwise from top center.

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



Series 801 Mighty Mouse Double-Start ACME Thread Right Angle PCB Receptacle 801-023 Dimensions

Jam nut, rear panel mount - shell style 07

Dimensions															
Shell Size/ Contact Arrangement	B		D		E Thread	F		G		H		Ø J		K Flat	
			In.	mm.								In.	mm.	In.	mm.
	In.	mm.	±.035	±0.89		In.	mm.	In.	mm.	In.	mm.	In.	mm.		
5-3	.260	6.60	.275	6.99	.3125-.05P-.1L-DS- 2A	.310	7.87	.490	12.45	.165	4.19	.580	14.73	.545	13.84
6-1	.345	8.76	.292	7.42	.3750-.05P-.1L-DS- 2A	.385	9.78	.589	14.96	.224	5.69	.635	16.13	.602	15.29
6-23	.345	8.76	.305	7.75	.3750-.05P-.1L-DS- 2A	.385	9.78	.589	14.96	.224	5.69	.635	16.13	.602	15.29
6-4	.345	8.76	.292	7.42	.3750-.05P-.1L-DS-2A	.385	9.78	.589	14.96	.224	5.69	.635	16.13	.602	15.29
6-6, 6-7	.345	8.76	.265	6.73	.3750-.05P-.1L-DS-2A	.408	10.36	.589	14.96	.187	4.75	.635	16.13	.602	15.29
7-1	.345	8.76	.273	6.93	.4375-.05P-.1L-DS- 2A	.452	11.48	.710	18.03	.170	4.32	.755	19.18	.723	.723
7-25	.345	8.76	.266	6.76	.4375-.05P-.1L-DS- 2A	.452	11.48	.710	18.03	.170	4.32	.755	19.18	.723	.723
7-10	.345	8.76	.273	6.93	.4375-.05P-.1L-DS-2A	.452	11.48	.710	18.03	.170	4.32	.755	19.18	.723	.723
8-2	.490	12.45	.305	7.75	.5000-.05P-.1L-DS- 2A	.490	12.45	.710	18.03	.230	5.84	.755	19.18	.723	.723
8-28	.490	12.45	.289	7.34	.5000-.05P-.1L-DS- 2A	.490	12.45	.710	18.03	.230	5.84	.755	19.18	.723	.723
8-13	.490	12.45	.305	8.03	.5000-.05P-.1L-DS-2A	.490	12.45	.710	18.03	.230	5.84	.755	19.18	.723	.723
9-4	.490	12.45	.240	6.096	.5625-.05P-.1L-DS- 2A	.600	15.24	.800	20.32	.342	8.69	.830	21.08	.790	20.01
9-210	.490	12.45	.245	6.22	.5625-.05P-.1L-DS- 2A	.600	15.24	.800	20.32	.342	8.69	.830	21.08	.790	20.01
9-19	.490	12.45	.275	6.99	.5625-.05P-.1L-DS-2A	.600	15.24	.800	20.32	.342	8.69	.830	21.08	.790	20.01
9-200	.490	12.45	.255	6.48	.5625-.05P-.1L-DS- 2A	.600	15.24	.800	20.32	.342	8.69	.830	21.08	.790	20.01
10-2	.570	14.48	.299	7.59	.6250-.05P-.1L-DS- 2A	.640	16.26	.840	21.34	.362	9.19	.890	22.06	.855	21.72
10-5	.570	14.48	.255	6.48	.6250-.05P-.1L-DS- 2A	.640	16.26	.840	21.34	.362	9.19	.890	22.06	.855	21.72
10-201	.570	14.48	.294	7.47	.6250-.05P-.1L-DS- 2A	.640	16.26	.840	21.34	.362	9.19	.890	22.06	.855	21.72

Dimensions (Continued)

Shell Size/ Contact Arrangement	L Flat		P		R Thread
	In.	mm.	In.	mm.	
5-3	.355/.346	9.02/8.79	.225	5.72	.375-28 UN-2A
6-1	.415/.406	10.54/10.31	.225	5.72	.4375-28 UNEF-2A
6-23	.415/.406	10.54/10.31	.225	5.72	.4375-28 UNEF-2A
6-4	.415/.406	10.54/10.31	.225	5.72	.4375-28 UNEF-2A
6-6, 6-7	.415/.406	10.54/10.31	.225	5.72	.4375-28 UNEF-2A
7-1	.539/.530	13.69/13.46	.296	7.52	.5625-32 UN-2A
7-25	.539/.530	13.69/13.46	.296	7.52	.5625-32 UN-2A
7-10	.539/.530	13.69/13.46	.296	7.52	.5625-32 UN-2A
8-2	.539/.530	13.69/13.46	.320	8.10	.5625-32 UN-2A
8-28	.539/.530	13.69/13.46	.320	8.10	.5625-32 UN-2A
8-13	.539/.530	13.69/13.46	.320	8.10	.5625-32 UN-2A
9-4	.601/.592	15.27/15.04	.362	9.19	.6250-28 UN-2A
9-210	.601/.592	15.27/15.04	.362	9.19	.6250-28 UN-2A
9-19	.601/.592	15.27/15.04	.362	9.19	.6250-28 UN-2A
9-200	.601/.592	15.27/15.04	.362	9.19	.6250-28 UN-2A
10-2	.663/.654	16.84/16.61	.397	10.08	.6875-28 UN-2A
10-5	.663/.654	16.84/16.61	.397	10.08	.6875-28 UN-2A
10-201	.663/.654	16.84/16.61	.397	10.08	.6875-28 UN-2A

PC Tail Dimensions

Contact Size	Ø S
#23	Ø .018/.022
#20	Ø .028/.024
#16	Ø .060/.064
#12	Ø .092/.096

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

Series 801 Mighty Mouse Double-Start ACME Thread Right Angle PCB Receptacle 801-023 PCB Footprint: Socket Connectors

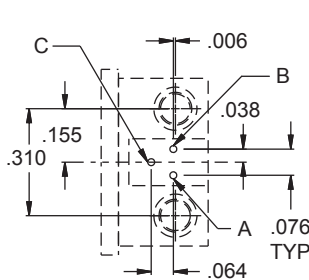


Series 801

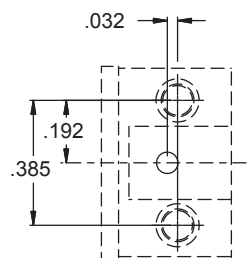
RIGHT ANGLE PCB FOOTPRINTS: SOCKET CONNECTORS

Patterns shown are for component mounting side of PCB.

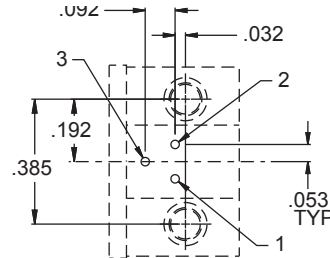
#23=.022 max #20=.028 #16=.064 #12=.096, mounting holes are .093 (2.36) diameter



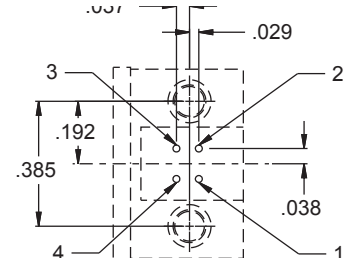
ARRANGEMENT NO. 5-3
(3 #23 CONTACTS)



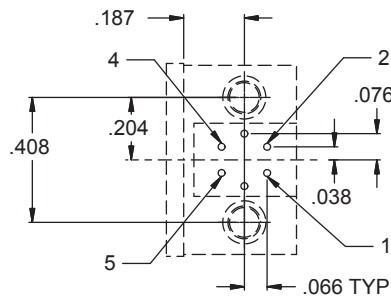
ARRANGEMENT NO. 6-1
(1 #16 CONTACT)



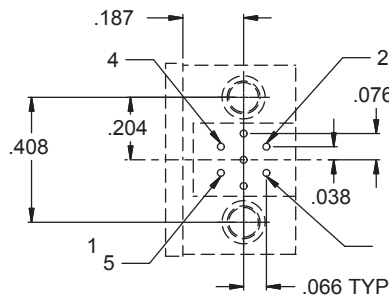
ARRANGEMENT NO. 6-23
(3 #20HD CONTACTS)



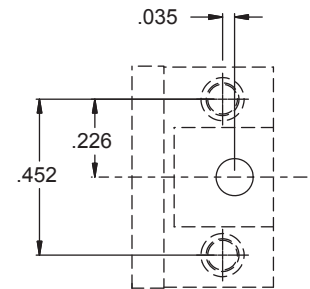
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(4 #23 CONTACTS)



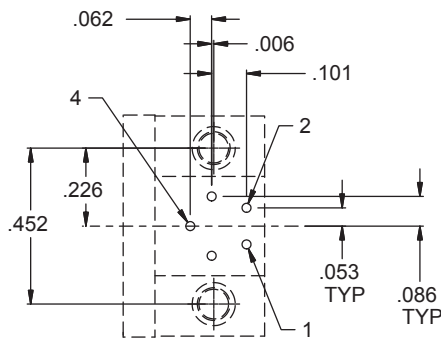
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(6 #23 CONTACTS)



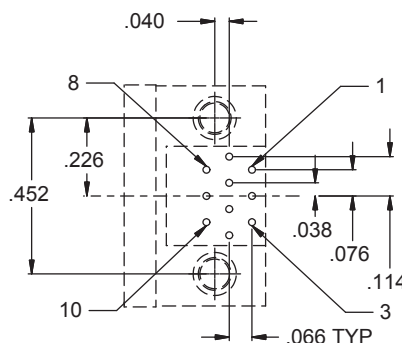
ARRANGEMENT NO. 6-7
(7 #23 CONTACTS)



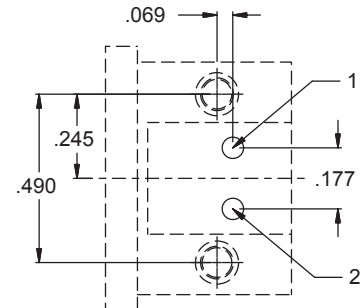
ARRANGEMENT NO. 7-1
(1 #12 CONTACT)



ARRANGEMENT NO. 7-25
(5 #20HD CONTACTS)



ARRANGEMENT NO. 7-10
(10 #23 CONTACTS)



ARRANGEMENT NO. 8-2
(2 #16 CONTACTS)

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

D



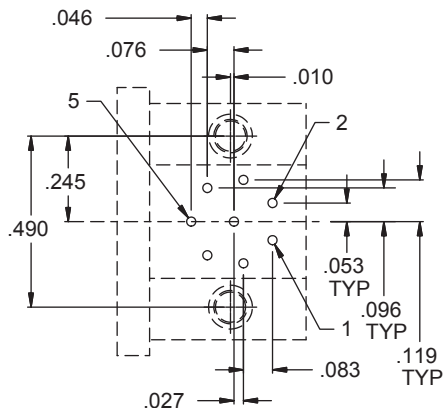
Series 801 Mighty Mouse Double-Start ACME Thread Right Angle PCB Receptacle

801-023 PCB Footprint: Socket Connectors

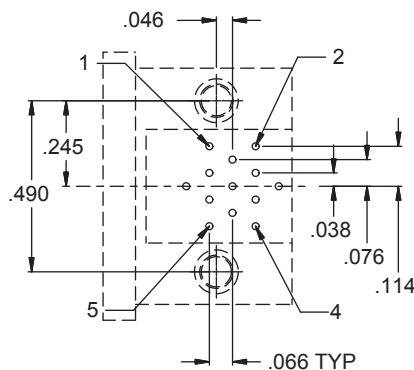
RIGHT ANGLE PCB FOOTPRINTS: SOCKET CONNECTORS

Patterns shown are for component mounting side of PCB.

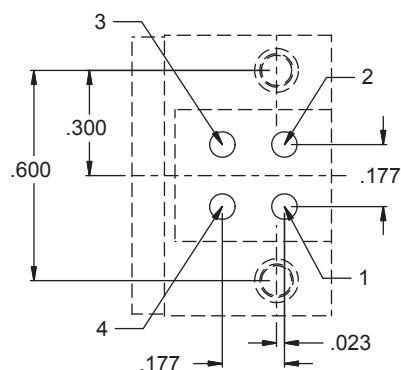
#23=.022 max #20=.028 #16=.064 #12=.096, mounting holes are .093 (2.36) diameter



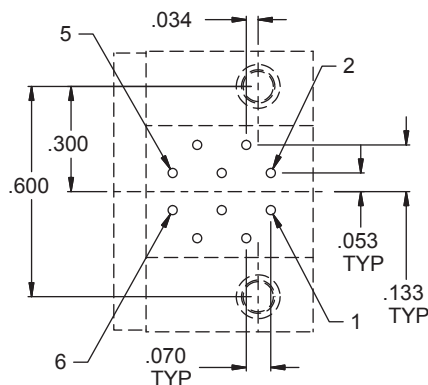
ARRANGEMENT NO. 8-28
(8 #20HD CONTACTS)



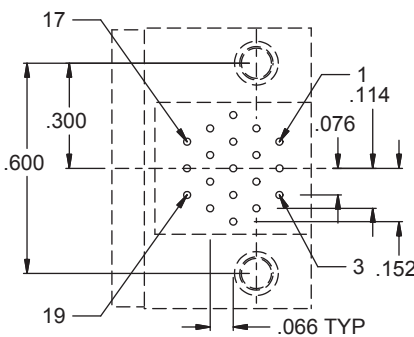
ARRANGEMENT NO. 8-13
(13 #23 CONTACTS)



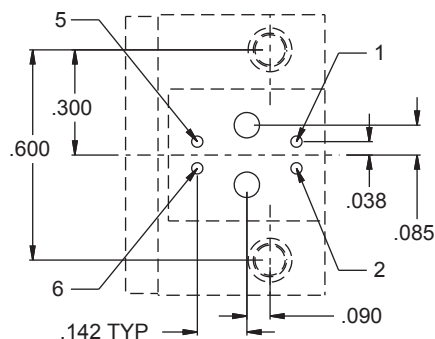
ARRANGEMENT NO. 9-4
(4 #16 CONTACTS)



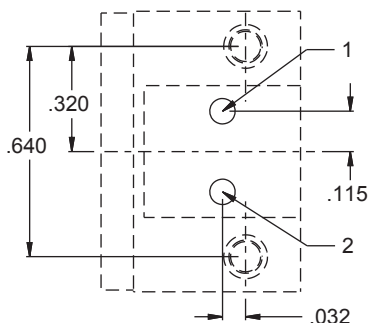
ARRANGEMENT NO. 9-210
(10 #20HD CONTACTS)



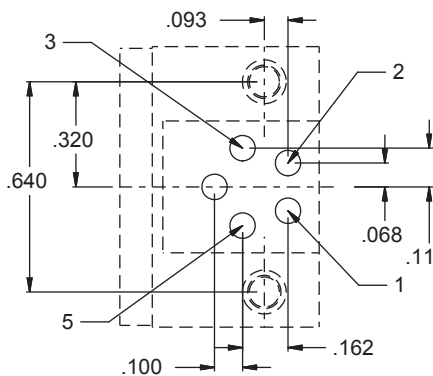
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(19 #23 CONTACTS)



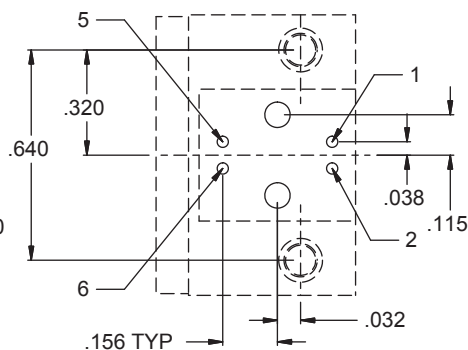
ARRANGEMENT NO. 9-200
(2#16, 4 #23 CONTACTS)



ARRANGEMENT NO. 10-2
(2 #12 CONTACTS)



ARRANGEMENT NO. 10-5
(5 #16 CONTACTS)



ARRANGEMENT NO. 10-201
(2 #12, 4 #23 CONTACTS)

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