

# Series 800 Mighty Mouse with UN Mating Thread Right Angle PCB Receptacle Headers

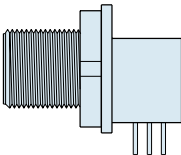
800-032-07



800-032 right angle I/O headers feature gold-plated size #23 contacts. UN mating thread, and aluminum or stainless steel shells. Rubber seal protects mated connectors from water ingress. 5 amp current rating, 500 VAC voltage rating. Contacts are factory-installed and are non-removable. Thermoplastic rear housing has #2-56 threaded inserts for attaching to circuit board with customer-supplied mounting screws. Connectors attach to chassis or panel with low-profile jam nut and O-ring. Available in six contact arrangements, these right angle headers are ideal for hostile environment 100/1000BASE-T Ethernet applications where commercial-grade RJ-45 jacks are not advised.

Right Angle PCB Receptacle

## HOW TO ORDER SERIES 800 RIGHT ANGLE PCB RECEPTACLES

| Sample Part Number               |                                                                                                             |                                                                            |                                                                                                                            |                                           |                                                                                                  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------|
| 800-032                          | -07                                                                                                         | M                                                                          | 7-10                                                                                                                       | P                                         | Z                                                                                                |
| Series                           | Shell Style                                                                                                 | Shell Material / Finish                                                    | Shell Size- Insert Arrangement                                                                                             | Contact Type                              | Shell Key Position                                                                               |
| <b>800-032</b><br>PCB Receptacle | <br><b>-07</b><br>Jam Nut | <b>C</b><br>Aluminum / Black Anodize<br>(Non-Conductive)<br>RoHS Compliant | <b>5-3</b> 3 #23<br><b>6-4</b> 4 #23<br><b>6-7</b> 7 #23<br><b>7-10</b> 10 #23<br><b>8-13</b> 13 #23<br><b>9-19</b> 19 #23 | <b>P</b><br>Pin<br><br><b>S</b><br>Socket | <b>N</b><br>Normal<br><br><b>X</b><br>Pos. X<br><br><b>Y</b><br>Pos. Y<br><br><b>Z</b><br>Pos. Z |
|                                  |                                                                                                             | <b>M</b><br>Aluminum / Electroless Nickel<br>RoHS Compliant                |                                                                                                                            |                                           |                                                                                                  |
|                                  |                                                                                                             | <b>NF</b><br>Aluminum / Cadmium with Olive<br>Drab Chromate                |                                                                                                                            |                                           |                                                                                                  |
|                                  |                                                                                                             | <b>ZN</b><br>Aluminum / Zinc-Nickel with<br>Olive Drab Chromate            |                                                                                                                            |                                           |                                                                                                  |
|                                  |                                                                                                             | <b>ZNU</b><br>Aluminum / Zinc-Nickel with<br>Black Chromate                |                                                                                                                            |                                           |                                                                                                  |
|                                  |                                                                                                             | <b>MT</b><br>Aluminum / Nickel-PTFE<br>RoHS Compliant                      |                                                                                                                            |                                           |                                                                                                  |
|                                  |                                                                                                             | <b>Z1</b><br>Stainless Steel / Passivated<br>RoHS Compliant                |                                                                                                                            |                                           |                                                                                                  |

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

CAGE Code 06324

Printed in U.S.A.

© 2010 Glenair, Inc.

GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912

www.glenair.com

C-14

E-Mail: sales@glenair.com

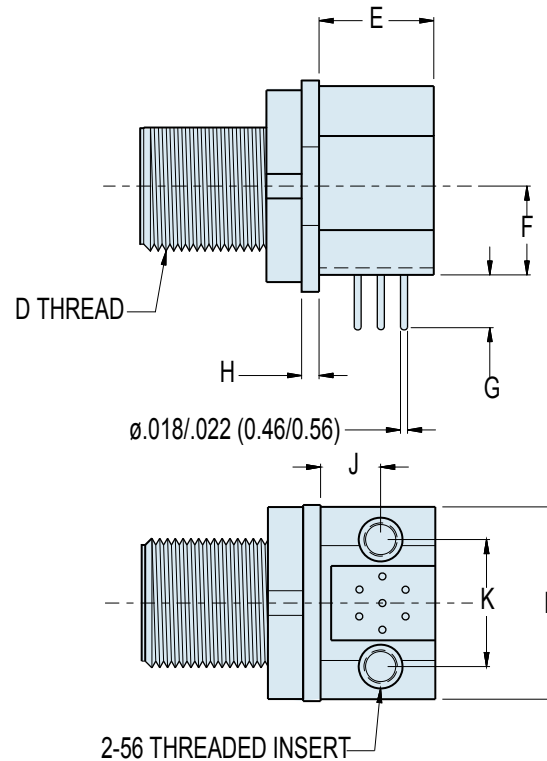
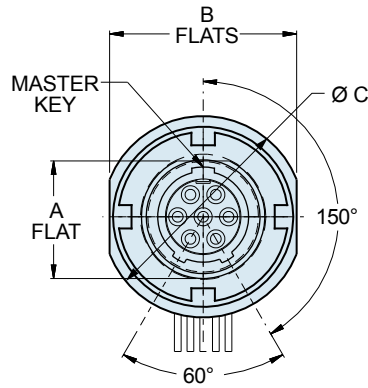
7 - MARCH - 2013

# Series 800 Mighty Mouse with UN Mating Thread Right Angle PCB Receptacle Headers

800-032-07



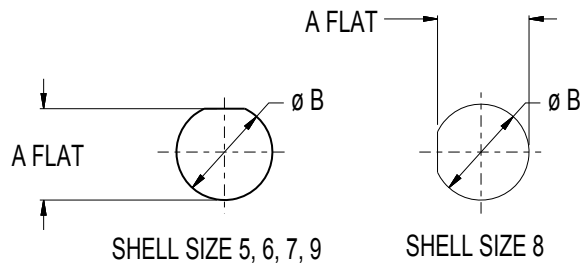
Series 800



## DIMENSIONS

| Shell Size | A     |       | B    |       | Ø C  |       | D Threads        | E    |       | F    |      | G     |       | H     |       | J    |      | K    |       | L    |       |
|------------|-------|-------|------|-------|------|-------|------------------|------|-------|------|------|-------|-------|-------|-------|------|------|------|-------|------|-------|
|            | In.   | mm.   | In.  | mm.   | In.  | mm.   |                  | In.  | mm.   | In.  | mm.  | In.   | mm.   | In.   | mm.   | In.  | mm.  | In.  | mm.   | In.  | mm.   |
|            | ±.005 | ±0.13 |      |       |      |       |                  |      |       |      |      | ±.035 | ±0.89 | ±.005 | ±0.13 |      |      |      |       |      |       |
| 5-3        | .289  | 7.34  | .498 | 12.65 | .538 | 13.67 | .3125-28 UN-2A   | .260 | 6.60  | .235 | 5.97 | .257  | 6.53  | .050  | 1.27  | .165 | 4.19 | .310 | 7.87  | .486 | 12.34 |
| 6-4        | .355  | 9.02  | .560 | 14.22 | .605 | 15.37 | .3750-28 UN-2A   | .330 | 8.38  | .232 | 5.89 | .285  | 7.24  | .050  | 1.27  | .224 | 5.69 | .385 | 9.78  | .580 | 14.73 |
| 6-7        | .355  | 9.02  | .560 | 14.22 | .605 | 15.37 | .3750-28 UN-2A   | .350 | 8.89  | .232 | 5.89 | .285  | 7.24  | .050  | 1.27  | .187 | 4.75 | .408 | 10.36 | .580 | 14.73 |
| 7-10       | .414  | 10.52 | .640 | 16.26 | .665 | 16.89 | .4375-28 UNEF-2A | .350 | 8.89  | .325 | 8.26 | .285  | 7.24  | .092  | 2.34  | .170 | 4.32 | .452 | 11.48 | .640 | 16.26 |
| 8-13       | .475  | 12.07 | .730 | 18.54 | .770 | 19.56 | .5000-32 UN-2A   | .490 | 12.45 | .330 | 8.38 | .285  | 7.24  | .092  | 2.34  | .230 | 5.84 | .490 | 12.45 | .680 | 17.27 |
| 9-19       | .532  | 13.51 | .805 | 20.45 | .875 | 22.23 | .5625-32 UN-2A   | .490 | 12.45 | .360 | 9.14 | .275  | 6.99  | .092  | 2.34  | .342 | 8.69 | .600 | 15.24 | .800 | 20.32 |

## PANEL CUTOUTS FOR RIGHT ANGLE PCB HEADERS



RECOMMENDED PANEL CUTOUT

| Shell Size | A Flat        |             | ØB    |       |
|------------|---------------|-------------|-------|-------|
|            | In.           | mm.         | In.   | mm.   |
|            | +0.004/-0.000 | +0.10/-0.00 | ±.005 | ±0.13 |
| 5          | .294          | 7.47        | .322  | 8.18  |
| 6          | .360          | 9.14        | .386  | 9.80  |
| 7          | .419          | 10.64       | .449  | 11.40 |
| 8          | .481          | 12.22       | .510  | 12.95 |
| 9          | .538          | 13.67       | .574  | 14.58 |

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

© 2010 Glenair, Inc.

CAGE Code 06324

Printed in U.S.A.

GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912

www.glenair.com

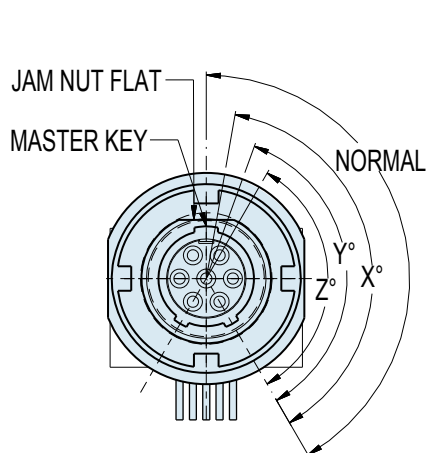
C-15

E-Mail: sales@glenair.com

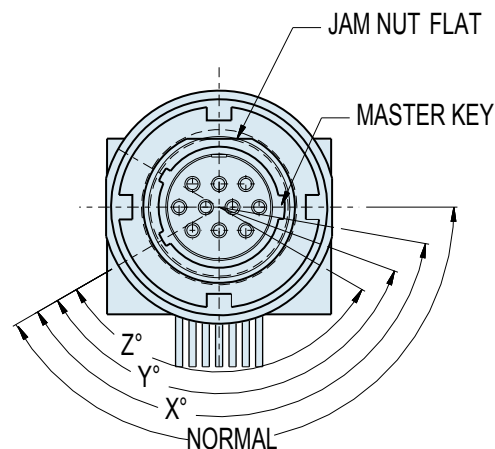
7 - MARCH - 2013

## FACE VIEWS OF RIGHT ANGLE PCB HEADERS

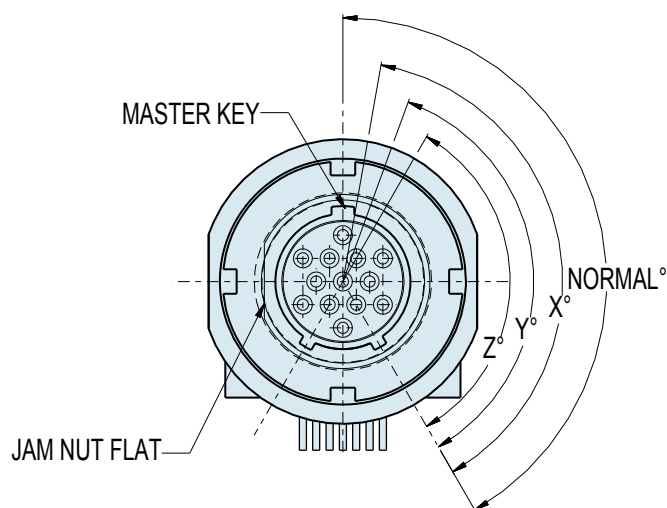
| KEY POSITIONS |              |
|---------------|--------------|
| Key Position  | Key Rotation |
| Normal (N)    | 150°         |
| X             | 140°         |
| Y             | 130°         |
| Z             | 120°         |



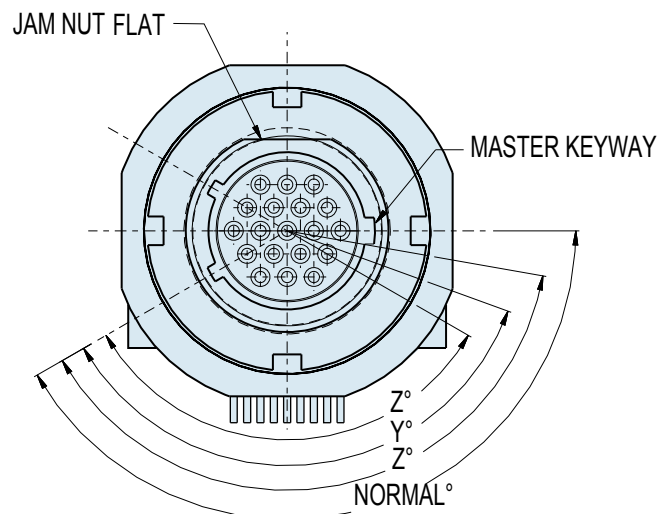
JAM NUT FLAT AND KEYWAY LOCATIONS  
SHELL SIZE 5 AND 6  
SOCKET FACE SHOWN



JAM NUT FLAT AND KEYWAY LOCATIONS  
SHELL SIZE 7 10 POSITION  
SOCKET FACE SHOWN



JAM NUT FLAT AND KEYWAY LOCATIONS  
SHELL SIZE 8 13 POSITION  
SOCKET FACE SHOWN



JAM NUT FLAT AND KEYWAY LOCATIONS  
SHELL SIZE 9 19 POSITION  
SOCKET FACE SHOWN

# Series 800 Mighty Mouse with UN Mating Thread Right Angle PCB Receptacle Headers 800-032 PCB Mounting Footprints

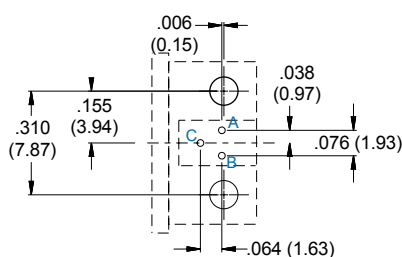


Series 800

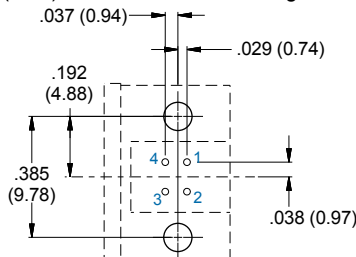
## RIGHT ANGLE PCB FOOTPRINTS: PIN CONNECTORS

Patterns shown are for component mounting side of PCB.

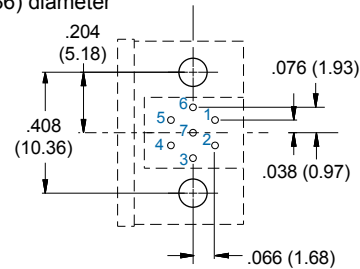
Contacts are .022 (0.56) max. diameter, mounting holes are .093 (2.36) diameter



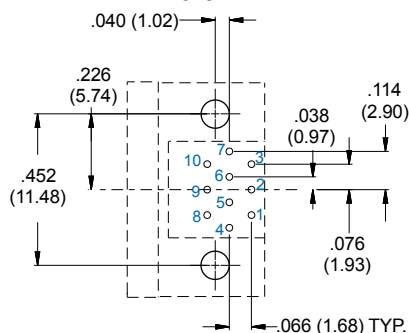
**5-3P**



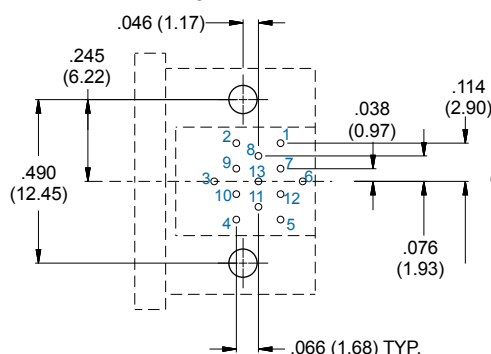
**6-4P**



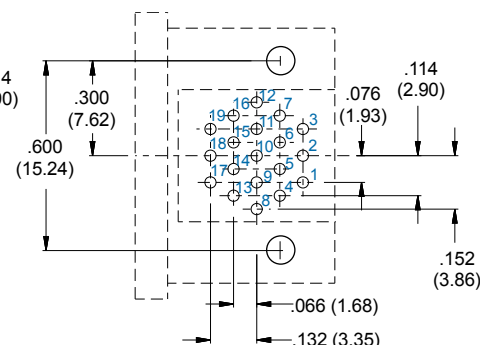
**6-7P**



**7-10P**



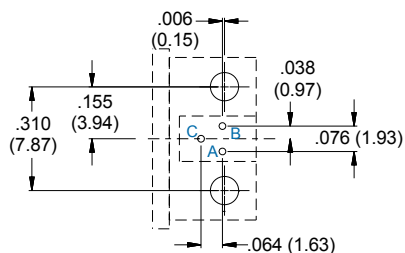
**8-13P**



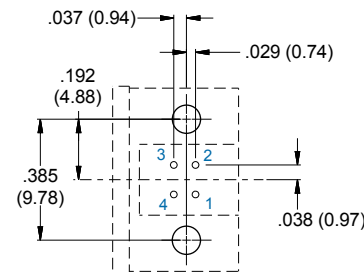
**9-19P**

## RIGHT ANGLE PCB FOOTPRINTS: SOCKET CONNECTORS

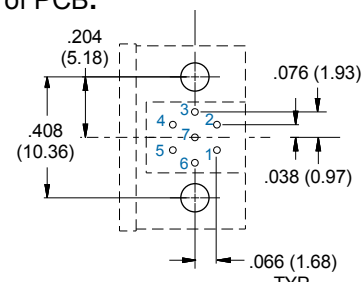
Patterns shown are for component mounting side of PCB.



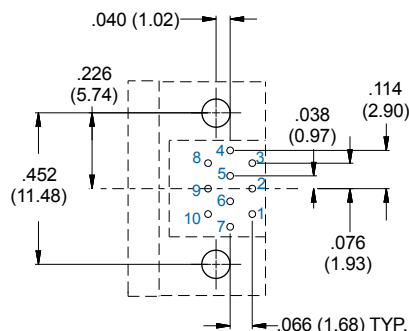
**5-3S**



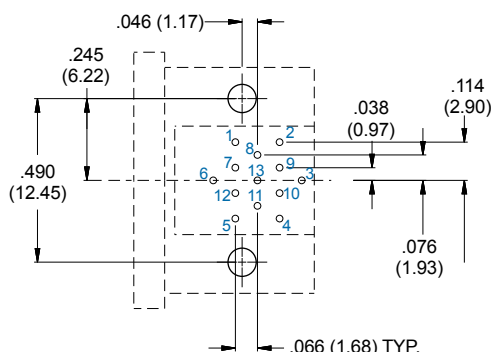
**6-4S**



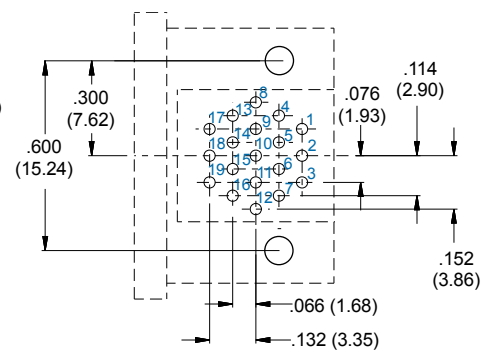
**6-7S**



**7-10S**



**8-13S**



**9-19S**

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

© 2010 Glenair, Inc.

CAGE Code 06324

Printed in U.S.A.

GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912

www.glenair.com

C-17

E-Mail: sales@glenair.com

7 - MARCH - 2013