

MICRO MINIATURE CIRCULAR

Series 806

Mil-Aero Connectors



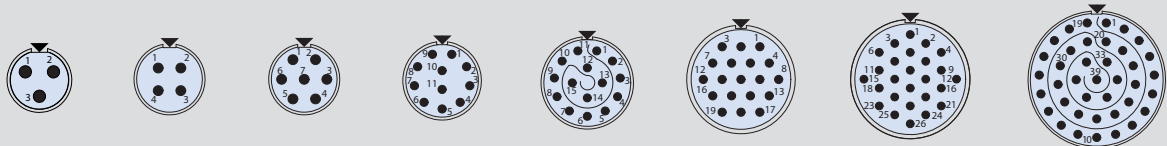
Contact Arrangements (Mating face of pin connector shown. Socket numbering is reversed.)

| Contact Arrangements | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------------------|------|----|----|---|----------------|--------------------|------|----|----|---|----------------|--------------------|------|----|----|--------|----|--|--|---|--|---|---|
| Contact Layout | Number of Contacts | | | | | Contact Layout | Number of Contacts | | | | | Contact Layout | Number of Contacts | | | | | | | | | | | |
| | 22HD | 20HD | 16 | 12 | 8 | | 22HD | 20HD | 16 | 12 | 8 | | 22HD | 20HD | 16 | 12 | 8 | | | | | | | |
| 7-3 | 3 | | | | | 14-20 | | 20 | | | | 14-3 | | | 3 | | 18-59 | 55 | | | 4 | | | |
| 8-4 | 4 | | | | | 16-31 | | 31 | | | | 16-4 | | | 4 | | 11-14 | 13 | | | | | 1 | |
| 8-7 | 7 | | | | | 18-41 | | 41 | | | | 16-7 | | | 7 | | 12-14 | 12 | | | | | 2 | |
| 9-11 | 11 | | | | | 20-55 | | 55 | | | | 18-8 | | | 8 | | 14-22 | 20 | | | | | 2 | |
| 10-15 | 15 | | | | | 22-69 | | 69 | | | | 20-11 | | | 11 | | 12-14 | 12 | | | | | 2 | |
| 11-19 | 19 | | | | | 24-92 | | 92 | | | | 22-13 | | | 13 | | 16-42 | 40 | | | | | 2 | |
| 12-26 | 26 | | | | | 8-1 | | | 1 | | | 24-19 | | | 19 | | 18-62 | 60 | | | | | 2 | |
| 14-39 | 39 | | | | | 10-2 | | | 2 | | | 10-1 | | | | 1 | 14-20A | 19 | | | | | | 1 |
| 16-60 | 60 | | | | | 11-4 | | | 4 | | | 16-2 | | | | 2 | 16-22 | 20 | | | | | | 2 |
| 18-85 | 85 | | | | | 12-5 | | | 5 | | | 18-3 | | | | 3 | 18-21 | 18 | | | | | | 3 |
| 20-110 | 110 | | | | | 14-7 | | | 7 | | | 20-4 | | | | 4 | 20-28 | 24 | | | | | | 4 |
| 22-140 | 140 | | | | | 16-12 | | | 12 | | | 22-5 | | | | 5 | 22-44 | 40 | | | | | | 4 |
| 24-186 | 186 | | | | | 18-15 | | | 15 | | | 24-8 | | | | 8 | 24-97 | 93 | | | | | | 4 |
| 8-3 | | 3 | | | | 20-22 | | | 22 | | | 10-8A | 6 | 2 | | | | | | | | | | |
| 9-5 | | 5 | | | | 22-24 | | | 24 | | | 11-13 | 11 | 2 | | | | | | | | | | |
| 10-8 | | 8 | | | | 24-35 | | | 35 | | | 12-27 | 26 | 1 | | | | | | | | | | |
| 11-10 | | 10 | | | | 9-1 | | | | 1 | | 14-21 | 17 | 4 | | | | | | | | | | |
| 12-15 | | 15 | | | | 12-2 | | | | 2 | | 16-41 | 37 | 4 | | | | | | | | | | |

Series 806 Size 22HD Contact Arrangements (1300 VAC, 5 A)

Mating face of pin connector. Socket numbering is reversed.

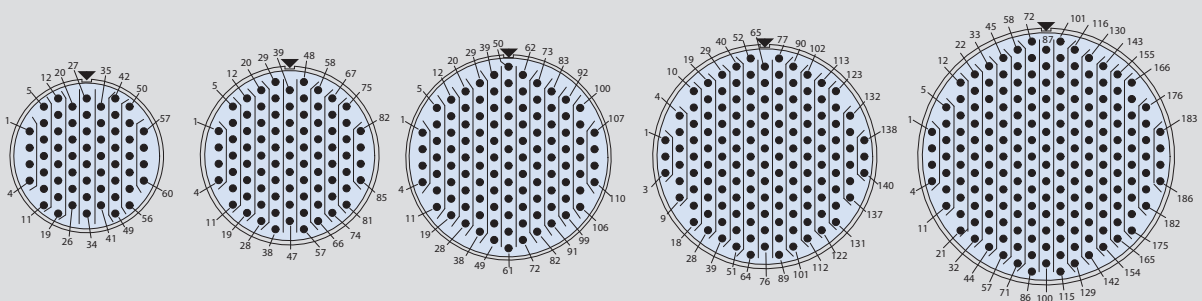
Symbol ▼ indicates master key location.



| Arrangement No. | 7-3 | 8-4 | 8-7 | 9-11 | 10-15 | 11-19 | 12-26 | 14-39 |
|-----------------|-----|-----|-----|------|-------|-------|-------|-------|
| No. of Contacts | 3 | 4 | 7 | 11 | 15 | 19 | 26 | 39 |

Mating face of pin connector. Socket numbering is reversed.

Symbol ▼ indicates master key location.



| Arrangement No. | 16-60 | 18-85 | 20-110 | 22-140 | 24-186 |
|-----------------|-------|-------|--------|--------|--------|
| No. of Contacts | 60 | 85 | 110 | 140 | 186 |

CONNECTOR REFERENCE

See Appendix for PC board layouts

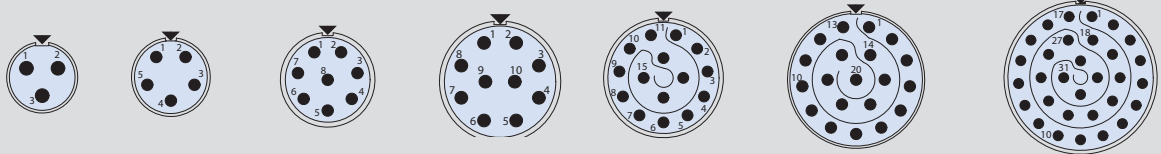
MICRO MINIATURE CIRCULAR Series 806 Mil-Aero Connectors



Contact Arrangements (Mating face of pin connector shown. Socket numbering is reversed.)

Series 806 Size 20HD Contacts Arrangements (1800 VAC, 7.5 A)

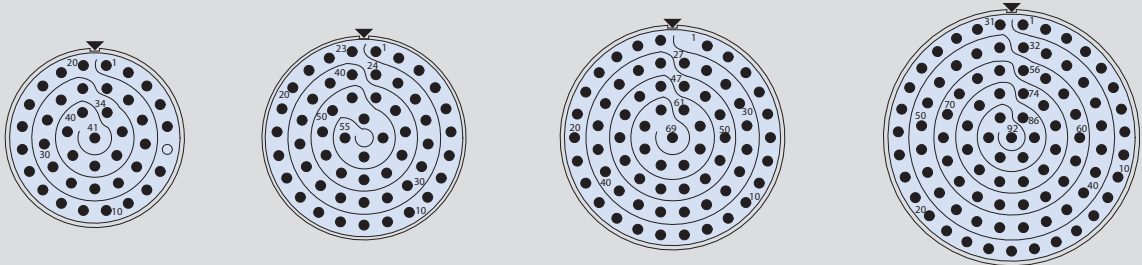
Mating face of pin connector. Socket numbering is reversed.



Symbol ▼ indicates master key location.

| | | | | | | | |
|-----------------|------------|------------|-------------|--------------|--------------|--------------|--------------|
| Arrangement No. | 8-3 | 9-5 | 10-8 | 11-10 | 12-15 | 14-20 | 16-31 |
| No. of Contacts | 3 | 5 | 8 | 10 | 15 | 20 | 31 |

Mating face of pin connector. Socket numbering is reversed.

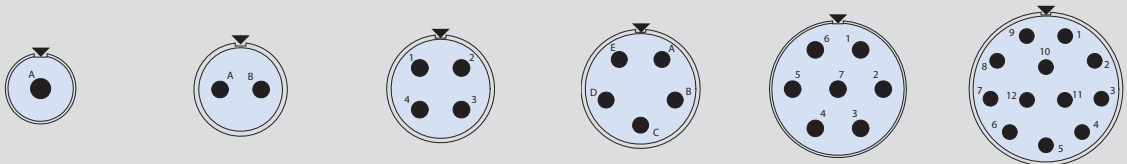


Symbol ▼ indicates master key location.

| | | | | |
|-----------------|--------------|--------------|--------------|--------------|
| Arrangement No. | 18-41 | 20-55 | 22-69 | 24-92 |
| No. of Contacts | 41 | 55 | 69 | 92 |

Series 806 Size 16 Contact Arrangements (2300 VAC, 13 A)

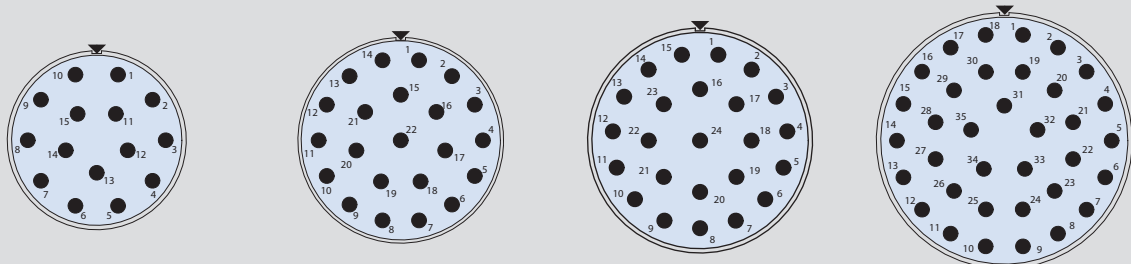
Mating face of pin connector. Socket numbering is reversed.



Symbol ▼ indicates master key location.

| | | | | | | |
|-----------------|------------|-------------|-------------|-------------|-------------|--------------|
| Arrangement No. | 8-1 | 10-2 | 11-4 | 12-5 | 14-7 | 16-12 |
| No. of Contacts | 1 | 2 | 4 | 5 | 7 | 12 |

Mating face of pin connector. Socket numbering is reversed.



Symbol ▼ indicates master key location.

| | | | | |
|-----------------|--------------|--------------|--------------|--------------|
| Arrangement No. | 18-15 | 20-22 | 22-24 | 24-35 |
| No. of Contacts | 15 | 22 | 24 | 35 |

See Appendix for PC board layouts

MICRO MINIATURE CIRCULAR

Series 806

Mil-Aero Connectors

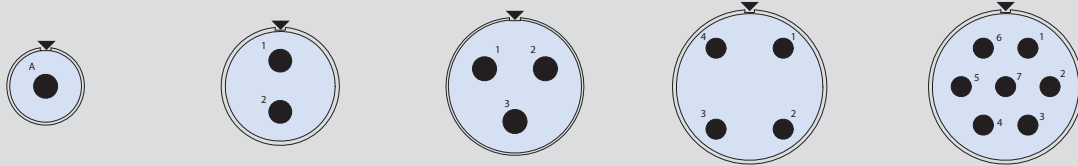


Contact Arrangements (Mating face of pin connector shown. Socket numbering is reversed.)

Series 806 Size 12 Contact Arrangements (2300 VAC, 23 A)

Mating face of pin connector. Socket numbering is reversed.

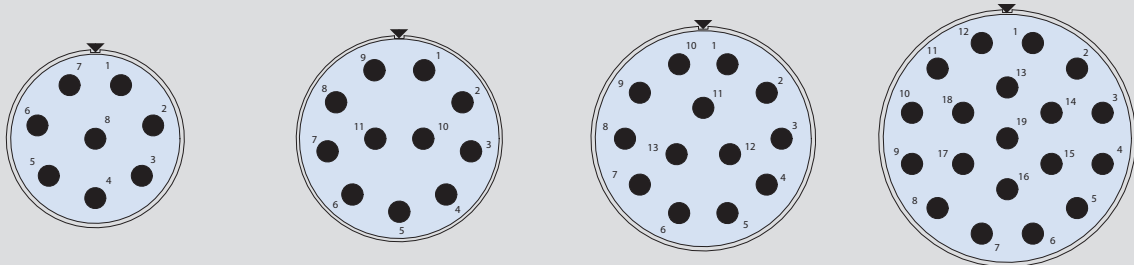
Symbol ▼ indicates master key location.



| | | | | | |
|-----------------|------------|-------------|-------------|-------------|-------------|
| Arrangement No. | 9-1 | 12-2 | 14-3 | 16-4 | 16-7 |
| No. of Contacts | 1 | 2 | 3 | 4 | 7 |

Mating face of pin connector. Socket numbering is reversed.

Symbol ▼ indicates master key location.

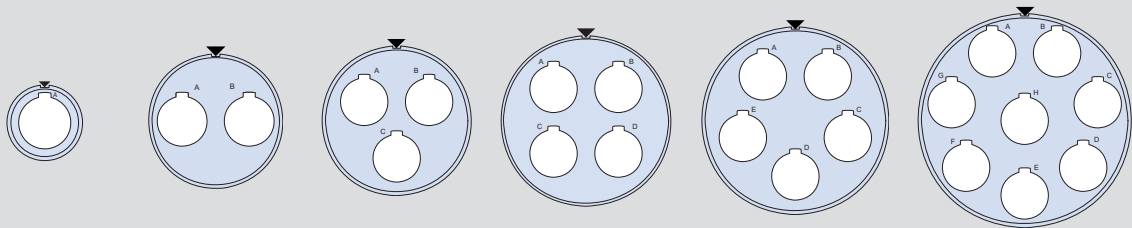


| | | | | |
|-----------------|-------------|--------------|--------------|--------------|
| Arrangement No. | 18-8 | 20-11 | 22-13 | 24-19 |
| No. of Contacts | 8 | 11 | 13 | 19 |

Series 806 Size 8 Contact Arrangements (1800 VAC, 46 A)

Mating face of pin connector. Socket numbering is reversed.

Symbol ▼ indicates master key location.

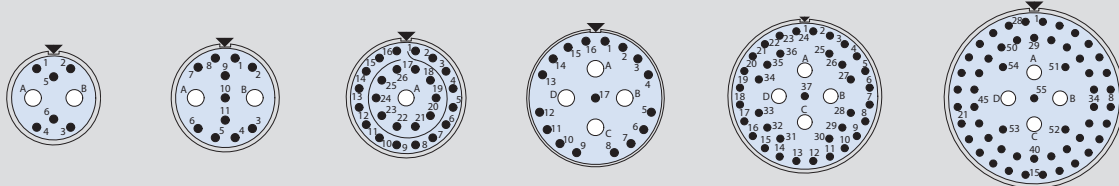


| | | | | | | |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Arrangement No. | 10-1 | 16-2 | 18-3 | 20-4 | 22-5 | 24-8 |
| No. of Contacts | 1 - #8 | 2 - #8 | 3x #8 | 4x #8 | 5x #8 | 8x #8 |

Series 806 Size 22 and 16 Combo Contact Arrangements

Mating face of pin connector. Socket numbering is reversed.

Symbol ▼ indicates master key location.



| | | | | | | |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Arrangement No. | 10-8A | 11-13 | 12-27 | 14-21 | 16-41 | 18-59 |
| No. of #22 Contacts | 6 | 11 | 26 | 17 | 37 | 55 |
| No. of #16 Contacts | 2 | 2 | 1 | 4 | 4 | 4 |

CONNECTOR REFERENCE

See Appendix for PC board layouts

MICRO MINIATURE CIRCULAR Series 806 Mil-Aero Connectors

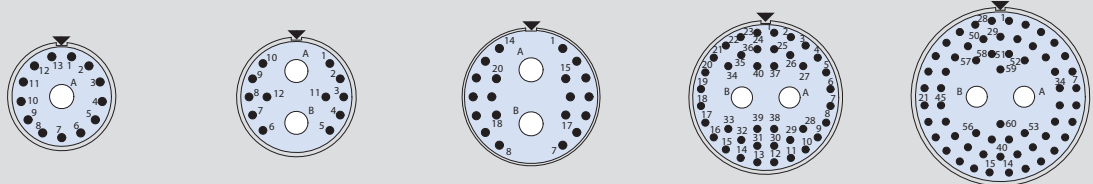


Contact Arrangements (Mating face of pin connector shown. Socket numbering is reversed.)

Series 806 Size 22HD and 12 Combo Contact Arrangements

Mating face of pin connector. Socket numbering is reversed.

Symbol ▼ indicates master key location.

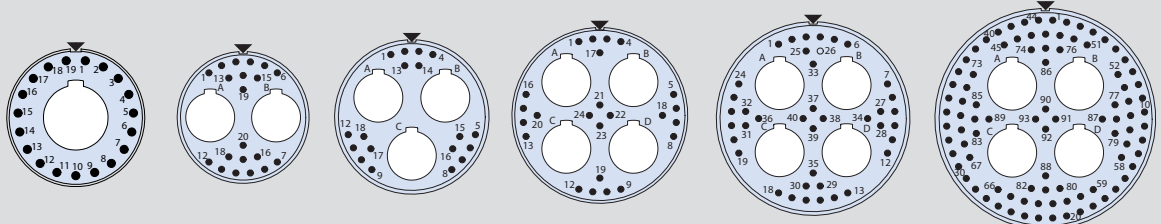


| Arrangement No. | 11-14 | 12-14 | 14-22 | 16-42 | 18-62 |
|---------------------|-------|-------|-------|-------|-------|
| No. of #22 Contacts | 13 | 12 | 20 | 40 | 60 |
| No. of #12 Contacts | 1 | 2 | 2 | 2 | 2 |

Series 806 Size 22HD and 8 Combo Contact Arrangements

Mating face of pin connector. Socket numbering is reversed.

Symbol ▼ indicates master key location.

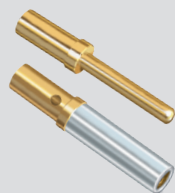


| Arrangement No. | 14-20A | 16-22 | 18-21 | 20-28 | 22-44 | 24-97 |
|---------------------|--------|-------|-------|-------|-------|-------|
| No. of #22 Contacts | 19 | 20 | 18 | 24 | 40 | 93 |
| No. of #8 Contacts | 1 | 2 | 3 | 4 | 4 | 4 |

See Appendix for PC board layouts

Series 806 Mil-Aero combo insert arrangements support applications with both standard data signal requirements, plus high-speed datalink (multi-gigabit Ethernet, HDMI, etc.), as well as RF / microwave, and power. Glenair Signature El Ochito® octaxial contacts support 10GbE in a single shielded contact. Available size #8 differential Twinax and industry-standard Quadrax are also supported. A broad range of RF Coax contacts are also available in different frequency ranges. Size #8 power contacts support size 8 to size 12 AWG wire.

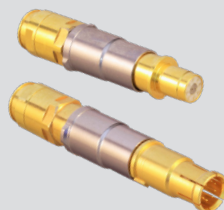
SERIES 806 MIL-AERO CONTACT SELECTION GUIDE



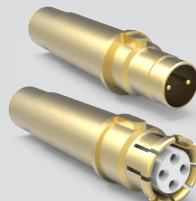
Crimp Contacts
Page 54



Fiber Termini
Page 58



El Ochito Contacts
Page 59



Twinax / Quadrax
Page 76



Power Contacts
Page 78



RF Coax Contacts
Page 79

CONNECTOR REFERENCE