

SERIES 805 TRIPLE-START ACME THREAD
Mighty Mouse Connectors and Cables
 Product Selection Guide



Series 805

Connector features and benefits, weight savings comparisons, connector weights, contact arrangement layouts, panel cut-out dimensions, and key/keyway positions and polarizations.

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Environmental Plug with Crimp Contacts

Plug connector is supplied with a full complement of contacts for termination to insulated wire. Use with Band-Master™ ATS stainless steel bands (ordered separately), or select accessory thread shell style for use with a variety of strain relief options.

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Mighty Mouse Cobra™ Right Angle Low Profile Plug

Mighty Mouse Cobra connectors feature a low profile and integral backshell design, equipped with a removable rear cover and gasket for easy installation of the supplied crimp contacts. Available in shell sizes 8 thru 23.

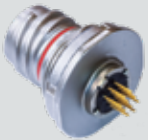
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Environmental Crimp Contact Receptacle

Jam-nut, square flange, and in-line version available. Integral band porch for use with Band-Master™ ATS stainless steel bands (ordered separately), or select accessory thread option for use with a variety of strain relief and backshell options.

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Environmental or Watertight Receptacle with PC Tails or Solder Cups

Choose environmental or watertight version to meet MIL-STD 810 method 512G immersion requirements. Select PC tails for attachment to flexible or rigid circuits, or solder cup contacts for direct wire attachment. Integral .025 (.64) standoffs for solder washout. Backpotted and parylene compatible.

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Jam-Nut Mount Receptacle with PC Tails or Solder Cup Contacts

Receptacle features pin or socket, gold plated copper alloy PC tail contacts, or solder cup contacts for direct wire attachment. Contacts are factory installed and non removable. Integrated .025 in standoff for board washout and 2-56 heli-coil thread. Backpotted and parylene compatible.

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Receptacle with PC Tails, Solder Cups and Ground Pins

These panel mount connectors feature copper alloy, gold plated PC tail or solder cup contacts. Ground pins provide a grounding path from the connector to the PCB board. Jam-nut or square flange shell styles available. Contacts are non-removable and parylene compatible.

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Mighty Mouse Jam-Nut Receptacle, Right Angle Header

Header connectors feature PC tail contacts, factory installed and non-removable. Integral .025 (.64) standoff for solder washout. Connectors are backpotted with epoxy for general purpose applications and parylene compatible.

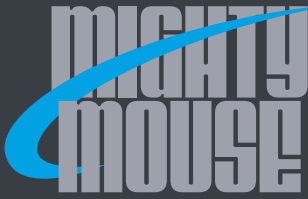
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Code Red Light Weight, Hermetic Board Mount Receptacle

Lightweight encapsulant-sealed hermetic with .025 (0.64) integral standoff for board washout. Aluminum shells and gold plated copper alloy contacts for improved performance and weight savings. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Contacts are non-removable. Connector is backpotted and parylene compatible.

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Glass-Sealed Hermetic Board Mount Receptacle

Glass-to-metal seal PCB receptacle with .025 (0.64) integral standoff for board washout. Available in square flange, solder mount, weld mount, and jam-nut shell styles. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Contacts are non-removable. Connector is backpotted and parylene compatible.

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Glass-Sealed Hermetic Receptacle with Solder Cup or PC Tail Contacts

Glass-to-metal seal PCB connector with .025 (0.64) integral standoff for board washout. Available in square flange, solder mount, weld mount, and jam-nut shell styles. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Contacts are non-removable. Connector is backpotted and parylene compatible.

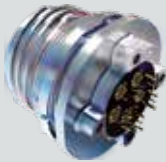
Page J-41



Glass-Sealed Hermetic Receptacle with PC Tail Coax Contacts

Glass-to-metal seal hermetic connector features PC tail Coax contacts for attachment to flexible or rigid board. Integral .025 (.64) standoff for board washout. Available in square flange, solder mount, and jam-nut shell styles. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Backpotted and parylene compatible.

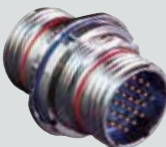
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Glass-Sealed Hermetic Receptacle, Threaded Stand-off Coax PC Tails

Glass-to-metal seal hermetic connector with gold plated size 12 or 16 nickel-iron alloy coax contacts. Threaded standoff for board washout and robust attachment to PC board. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. The stainless steel connector shell provides excellent corrosion protection. Backpotted and parylene compatible

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Environmental Bulkhead Feedthrough Connector

Feedthrough connectors offer a separable connection on both sides of the mounting panel. Copper alloy gold-plated contacts available in pin-pin, pin-socket, or socket-socket styles will be mirrored about the vertical centerline when pin-pin or socket-socket styles are selected.

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CODE RED™



Code Red Light Weight Hermetic Bulkhead Feedthrough Connector

Lightweight feedthru connectors offer a separable connection on both sides of the mounting panel. Innovative encapsulant allows for aluminum shells and gold plated copper alloy contact for improved performance and weight savings. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Backpotted and parylene compatible.

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Jam-Nut Hermetic Bulkhead Feedthrough Connector

Hermetic glass-to-metal feedthru connectors offer a separable connection on both sides of the mounting panel. Innovative encapsulant allows for aluminum shells and gold plated copper alloy contact for improved performance and weight savings. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Backpotted and parylene compatible.

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Sav-Con® Connector Saver

Protect expensive test equipment and cables with Glenair Sav-Con® connector savers. These plug/receptacle adapters feature non-removable contacts and a ratcheting coupling mechanism to prevent loosening under vibration.

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Series 805 Mighty Mouse Cordsets

Choose overmolded or overbraided cordsets for your specific application. Overmolded sets are low smoke and offer excellent all-weather cable protection; overbraided sets are ultraflexible and available with Nomex®, Halar®, or PTFE-coated fiberglass.

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SERIES 805 TRIPLE-START ACME THREAD



SERIES 805

Triple-Start Connectors

The Glenair Series 805 Connector Offers Outstanding EMI Protection and Vibration Resistance in a Miniaturized Package

The Series 805 connector was developed to provide several performance enhancements compared to other “Mighty Mouse” versions. A ratchet mechanism in the coupling nut prevents de-mating under severe vibration. EMI performance is improved with a serpentine ground spring on the plug barrel. This nickel-plated beryllium copper spring assures low shell-to-shell resistance. The Series 805, although larger than other Series 80 versions, still saves significant size and weight compared to MIL-DTL-38999 connectors with no compromise in performance. The fast mating, one revolution to full-mate triple-start stub ACME thread profile also contributes to rugged resistance to vibration, shock, and cross-mating in aerospace and other harsh application environments. Over 50 tooled insert arrangements are available with contact sizes ranging from size #23 to #8.



Outstanding EMI Shielding

Nickel-plated beryllium copper ground spring and metal-to-metal bottoming for excellent EMI performance.

Wide Contact Support

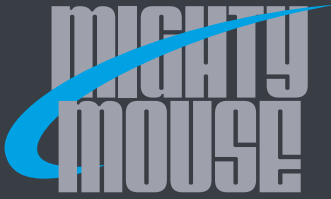
Crimp-contact signal, power, coax (RF), and high-speed twinax and quadax, sizes #23, #20, #20HD, #16, #12, and #8.

Environmentally Sealed

Meets MIL-STD-810 Method 512 immersion.

Anti-Decoupling

Ratcheting anti-decoupling mechanism prevents coupling nut backoff when subjected to high vibration.

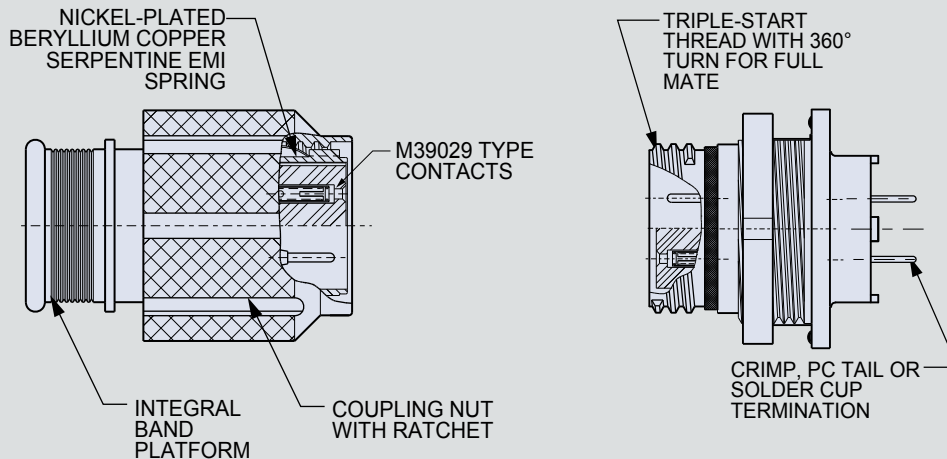


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

Performance Specifications



CONNECTOR FEATURES



Size Comparison: Series 805 Versus D38999 Series III

Layout	Number of Contacts	D38999 Layout	Number of Contacts	Maximum Plug Diameter			Maximum Jam-Nut Receptacle Diameter		
				Series 805	D38999	% Reduction	Series 805	D38999	% Reduction
8-7	7 #23	9-35	6 #20	.707 (17.96)	.859 (21.82)	17%	.775 (19.68)	1.201 (30.51)	35%
10-13	13 #23	11-35	13 #22D	.804 (20.42)	.969 (24.61)	18%	.895 (22.73)	1.386 (35.20)	35%
11-19	19 #23	13-35	19 #22D	.933 (23.70)	1.141 (28.98)	20%	.960 (24.38)	1.512 (38.40)	36%
12-26	26 #23	17-26	26 #20	.999 (25.37)	1.391 (35.33)	29%	1.075 (27.30)	1.764 (44.81)	39%
15-37	37 #23	15-35	37 #22D	1.113 (28.27)	1.266 (32.16)	13%	1.218 (30.94)	1.638 (41.61)	26%
18-55	55 #23	17-35	55 #22D	1.308 (33.22)	1.391 (35.33)	7%	1.404 (35.66)	1.764 (44.81)	20%
19-85	85 #23	21-35	85 #22D	1.328 (33.73)	1.625 (41.28)	19%	1.465 (37.21)	2.075 (52.71)	29%
23-130	130 #23	25-35	128 #22D	1.577 (40.06)	1.875 (47.63)	16%	1.720 (43.69)	2.323 (59.00)	26%

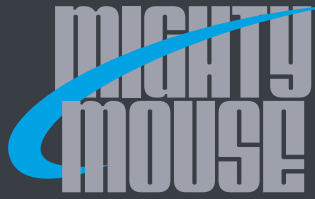
Materials and Finishes

Shells, Jam-Nuts	Aluminum alloy or stainless steel
Contacts	Copper alloy, 50 μinch gold plated
Insulators	High-grade rigid dielectric
Contact Retention Clip	Beryllium copper alloy
Seal, O-rings, Grommet	Fluorosilicone rubber
Spring	Nickel-plated beryllium copper
See Series 80 General Information for complete material and finish specs.	

Specifications

Current Rating	#23-5 A, #20HD-7.5 A, #16-13 A, #12-23 A
D.W.V.	#23-750 VAC, #20HD-1000 VAC #12 and #16-1800 VAC
I.R.	5000 megohms minimum
Operating Temperature	-65° C. to +175° C.
Shock	300 g.
Vibration	37 g.
Shielding Effectiveness	55 dB minimum low frequency from 100MHz to 1000MHz. and 65 dB minimum high frequency from 1 GHz to 10GHz.
Magnetic Permeability	2.0 μ maximum
Durability	500 mating cycles

SERIES 805 TRIPLE-START ACME THREAD



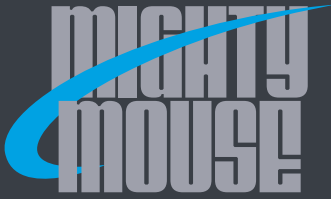
SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables Connector Weights



Series 805 Connector Weight In Grams					
Contact Arrangement	Cable Plug	Jam-Nut Recep		Sq. Flange	Sq. Flange Recep PCB
		Crimp	PCB	Recep Crimp	
8-23P	7.5	5.8	5.7	5.8	4.6
8-23S	8	6.4	6.2	6.4	5.1
8-4P	8.3	6.6	6.5	6.6	5.4
8-4S	8.8	7.2	7.0	7.2	5.9
8-6P	8.4	6.7	6.8	5.5	5.7
8-6S	8.9	7.3	7.3	5.9	6.2
8-7P	7.3	5.6	5.5	5.6	4.4
8-7S	7.7	6.1	5.9	6.1	4.8
9-1P	10.9	9.0	9.0	6.8	7.7
9-1S	11.4	9.6	9.6	7.4	8.3
9-25P	10.8	8.9	8.8	6.7	7.6
9-25S	11.3	9.6	9.4	7.4	8.1
9-10P	10.7	8.8	8.8	6.6	7.5
9-10S	11.6	9.7	9.7	7.5	8.4
10-2P	13.3	10.2	10.3	8.9	9.4
10-2S	14.1	11.0	11.1	9.7	10.1
10-28P	15.2	10.4	10.9	9.1	10
10-28S	16.4	11.5	11.7	10.2	10.7
10-13P	12.7	9.6	9.7	8.3	8.7
10-13S	13.4	10.3	10.5	9.0	9.5
10-200P	13.9	10.8	10.9	9.5	9.9
10-200S	14.7	11.7	11.8	10.3	10.8
11-4P	15.4	12.1	13.1	10.3	11.3
11-4S	16.4	13.1	14.1	11.3	12.3
11-210P	15.2	11.9	12.6	10.1	10.8
11-210S	16.4	13.1	13.8	11.3	12
11-19P	14.3	11.0	12.0	9.2	10.2
11-19S	15.4	12.1	13.1	10.3	11.3
11-200P	14.9	11.6	12.5	9.8	10.8
11-200S	16.0	12.7	13.6	10.9	11.9
11-201P	14.5	11.3	11.6	9.5	9.8
11-201S	15	12.4	12.7	10.6	10.9
12-2P	17.4	13.6	15.4	11.9	12.2
12-2S	18.7	14.9	16.9	13.2	13.7
12-5P	17.6	13.9	16.3	12.2	13.1
12-5S	19.0	15.3	17.7	13.6	14.5
12-26P	15.8	12.1	14.5	10.5	11.3
12-26S	17.4	13.6	16.1	12.0	12.9
12-200P	16.5	12.8	15.2	11.1	12.0
12-200S	17.9	14.2	16.6	12.5	13.4
12-201P	16.6	12.9	15.3	11.2	12.1
12-201S	18.0	14.3	16.7	12.7	13.5
12-202P	16.6	12.9	15.3	11.2	12.1
12-202S	18.2	14.4	16.8	12.8	13.6
13-31P	19.5	15.7	19.1	12.8	15.9
13-31S	21.8	18	20.8	14.4	17.6
15-2P	20.7	20.2	21.8	17.1	19.5
15-2S	22.3	21.9	23.4	18.7	21.1
15-3P	21.7	21.2	22.8	18.0	20.5
15-3S	23.4	23.0	24.5	19.8	22.2
15-7P	21.9	21.5	23.0	18.3	20.7
15-7S	24.5	24.1	25.6	20.9	23.3
15-220P	20.8	21	24.1	18.2	21.8
15-220S	23.8	23.4	25.9	21.3	23.6
15-37P	20.1	19.7	21.2	16.5	18.9
15-37S	23.0	22.6	24.1	19.4	21.8
15-200P	20.4	19.9	21.5	16.7	19.1

Series 805 Connector Weight In Grams					
Contact Arrangement	Cable Plug	Jam-Nut Recep		Sq. Flange	Sq. Flange Recep PCB
		Crimp	PCB	Recep Crimp	
15-200S	22.6	22.1	23.7	18.9	21.3
15-201P	20.7	20.2	21.8	17.1	19.5
15-201S	23.0	22.6	24.1	19.4	21.8
15-202P	20.8	20.3	22.4	17.2	20.9
15-202S	22.7	22.3	23.8	19.1	22.4
15-203P	21.1	20.6	23.7	17.5	21.4
15-203S	23	22.6	25.1	19.4	22.8
18-12P	30.7	32.3	30.9	36.8	29.8
18-12S	34.3	36.0	34.5	30.5	33.4
18-235P	29	31.9	32	26.4	31
18-235S	32.7	35.9	35.1	30.4	34
18-55P	27.3	28.9	27.5	23.4	26.4
18-55S	30.7	32.3	30.9	26.8	29.8
18-204P	29	30.6	30	25.1	28.9
18-204S	33	34.7	32.5	29.2	31.4
18-205P	29.3	30.9	30.5	25.4	29.4
18-205S	33.3	35	31.6	29.5	31.8
18-206P	29.5	31.1	30.6	25.6	29.5
18-206S	33.4	35.1	33.2	29.6	32.1
18-207P	30.3	31.9	31.5	26.4	30.4
18-207S	34.2	35.9	34.4	30.4	33.3
19-7P	27.9	30.0	33.1	25.1	33.0
19-7S	31.0	33.1	36.2	28.2	36.1
19-14P	32.9	35.0	38.1	30.0	38.0
19-14S	32.6	34.7	37.7	29.7	37.6
19-241P	32.8	29.5	33.6	29.9	33.5
19-241S	33.6	33.9	36.7	30.7	36.6
19-85P	26.6	28.7	31.8	23.8	31.7
19-85S	31.1	33.2	36.3	28.3	36.2
19-203P	25.8	27.9	31.6	23	30.5
19-203S	29.4	31.6	34	26.7	32.9
19-204P	26.4	28.5	32.6	23.6	40.2
19-204S	30.3	32.5	35.5	27.6	43.1
21-19P	46	46.9	42.1	32.3	42
21-19S	46.7	47.7	45.4	39.4	45.2
21-100P	43.7	44.6	41.5	35.5	36.8
21-100S	45.7	46.6	44.6	44.3	39.1
21-255P	45.8	46.7	41.8	37.6	37.1
21-255S	48	48.8	46	46.6	40.5
21-201P	48.4	49.3	42.2	40.2	37.5
21-201S	52.6	53.5	49.4	51.2	43.9
21-202P	54	54.9	46.2	45.8	41.5
21-202S	61	61.9	57.5	59.6	52.02
23-5P	49	51.7	48.3	45.5	47.8
23-5S	61.8	54.6	62.3	58.4	61.8
23-12P	40.2	42.9	44.4	36.7	43.9
23-12S	45.2	48.0	49.5	41.8	49.0
23-22P	42.7	45.4	47.0	39.3	46.4
23-22S	49.6	52.4	53.9	46.2	53.4
23-269P	39.3	43	44.9	35.8	44.4
23-269S	46.4	50.3	50	43	49.5
23-130P	37.8	40.6	42.1	34.4	41.6
23-130S	44.9	47.7	49.3	41.6	48.7
23-200P	46.6	49.3	47.9	43.1	47.4
23-200S	58.3	51.1	59.9	54.9	58.9

SERIES 805 TRIPLE-START ACME THREAD

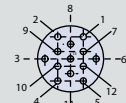
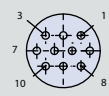


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

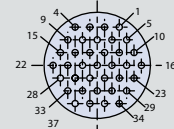
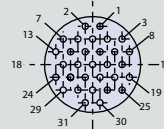
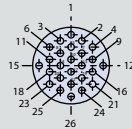
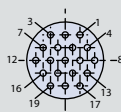


Contact Layouts, Mating Face of Pin Insert Shown

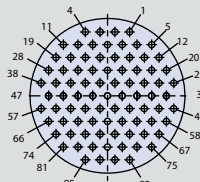
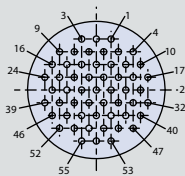
SIZE #23 SIGNAL CONTACTS, TESTED AT 750 VAC



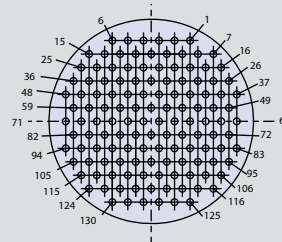
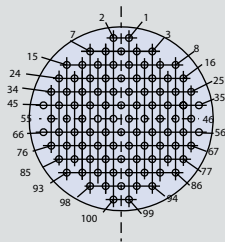
Insert Arrangement	8-4	8-6	8-7	9-10	10-13
No. of Contacts	4	6	7	10	13



Insert Arrangement	11-19	12-26	13-31	15-37
No. of Contacts	19	26	31	37

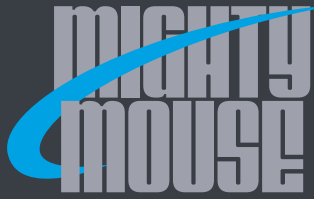


Insert Arrangement	18-55	19-85
No. of Contacts	55	85



Insert Arrangement	21-100	23-130
No. of Contacts	100	130

SERIES 805 TRIPLE-START ACME THREAD

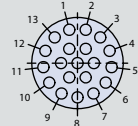
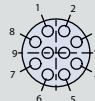


SERIES 805 TRIPLE-START ACME THREAD
Mighty Mouse Connectors and Cables

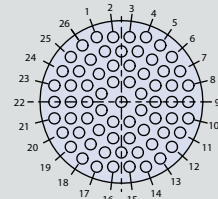
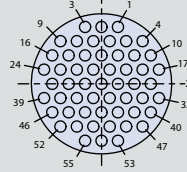
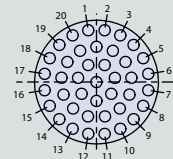
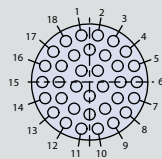


Contact Layouts, Mating Face of Pin Insert Shown

SIZE #20HD POWER CONTACTS, TESTED AT 1000 VAC

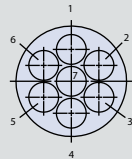
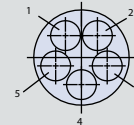
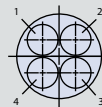


Insert Arrangement	8-23	9-25	10-28	11-210	15-220
No. of Contacts	3	5	8	10	20

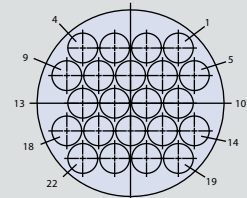
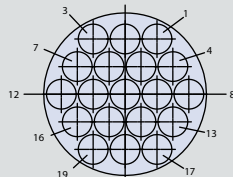
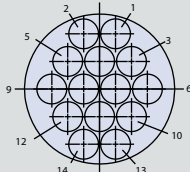
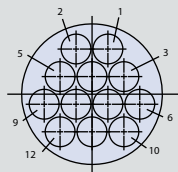


Insert Arrangement	18-235	19-241	21-255	23-269
No. of Contacts	35	41	55	69

SIZE #16 POWER CONTACTS, TESTED AT 1800 VAC

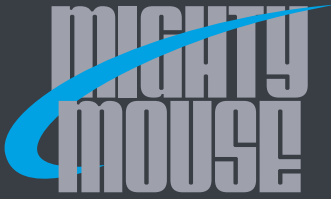


Insert Arrangement	8-1	10-2	11-4	12-5	15-7
No. of Contacts	1	2	4	5	7



Insert Arrangement	18-12	19-14	21-19	23-22
No. of Contacts	12	14	19	22

SERIES 805 TRIPLE-START ACME THREAD

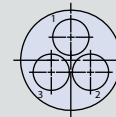
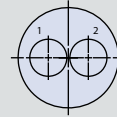
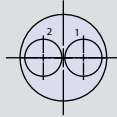


SERIES 805 TRIPLE-START ACME THREAD
Mighty Mouse Connectors and Cables

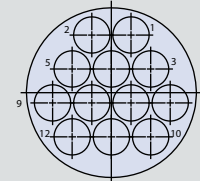
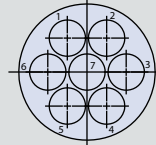
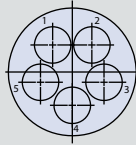
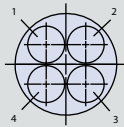


Contact Layouts, Mating Face of Pin Insert Shown

SIZE #12 POWER, TESTED AT 1800 VAC

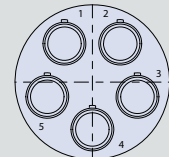
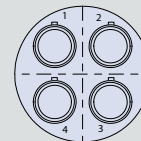
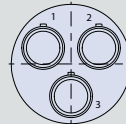
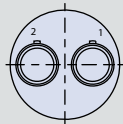


Insert Arrangement	9-1	12-2	15-2	15-3
No. of Contacts	1	2	2	3



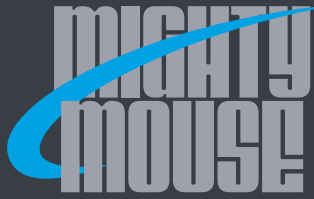
Insert Arrangement	18-4	18-5	19-7	23-12
No. of Contacts	4	5	7	12

SIZE #8 CONTACT ARRANGEMENTS, TESTED AT 1800 VAC



Insert Arrangement	10-1	18-2	19-3	21-4	23-5
Metal Insert Arrangement	10G1	18G2	19G3	21G4	23G5
Contact Size	#8	#8	#8	#8	#8
No. of Contacts	1	2	3	4	5
VAC Test Voltage	1800	1800	1800	1800	1800

SERIES 805 TRIPLE-START ACME THREAD

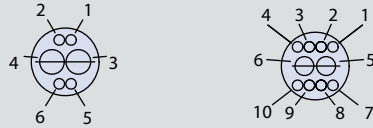


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



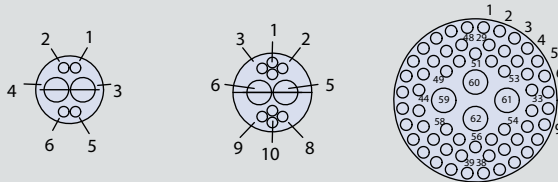
Contact Layouts, Mating Face of Pin Insert Shown

SIZE 20 AND SIZE 23 COMBO CONTACT ARRANGEMENTS, TESTED AT 750 VAC



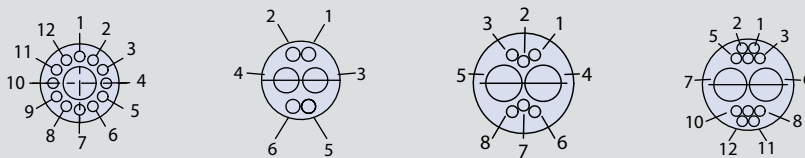
Insert Arrangement	10-200		11-201	
Contact Size	#20	#23	#20	#23
No. of Contacts	2	4	2	8

SIZE 16 AND SIZE 23 COMBO CONTACTS ARRANGEMENTS, TESTED AT 750 VAC



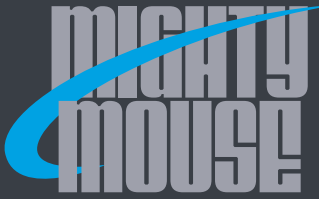
Insert Arrangement	11-200		12-202		19-206	
Contact Size	#16	#23	#16	#23	#16	#23
No. of Contacts	2	4	2	8	4	58

SIZE 12 AND SIZE 23 COMBO CONTACT ARRANGEMENTS, TESTED AT 750 VAC



Insert Arrangement	12-200		12-201		15-200		15-201	
Contact Size	#12	#23	#12	#23	#12	#23	#12	#23
No. of Contacts	1	12	2	4	2	6	2	10

SERIES 805 TRIPLE-START ACME THREAD

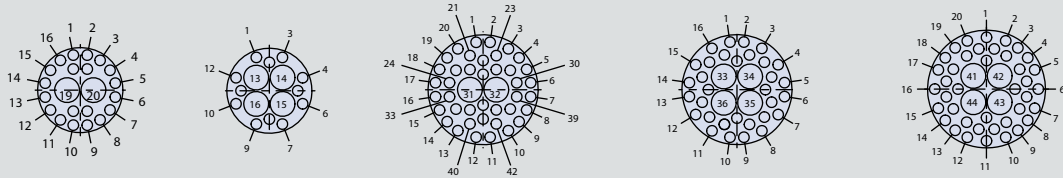


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



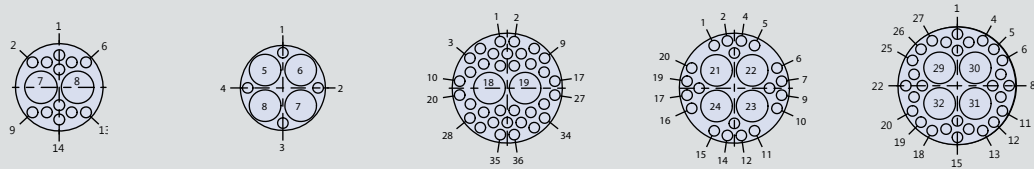
Contact Layouts, Mating Face of Pin Insert Shown

SIZE 16 AND SIZE 23 COMBO CONTACT ARRANGEMENTS, TESTED AT 1300 VAC



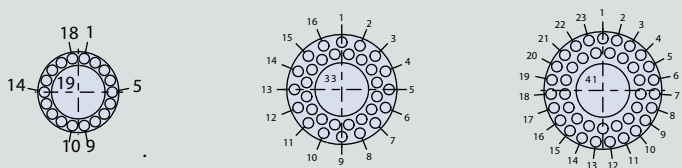
Insert Arrangement	15-202		15-203		18-204		18-205		19-203	
Contact Size	#16	#23	#16	#23	#16	#23	#16	#23	#16	#23
No. of Contacts	2	20	4	12	2	40	4	32	4	40

SIZE 12 AND SIZE 23 COMBO CONTACT ARRANGEMENTS, TESTED AT 1300 VAC

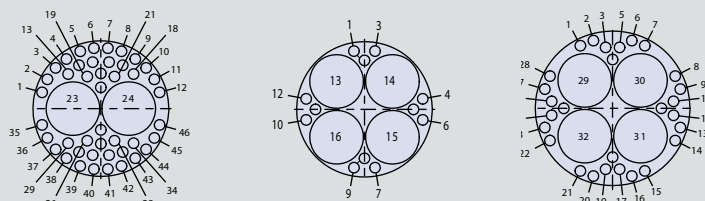


Insert Arrangement	15-204		15-205		18-206		18-207		19-204	
Contact Size	#12	#23	#12	#23	#12	#23	#12	#23	#12	#23
No. of Contacts	2	12	4	4	2	34	4	20	4	28

SIZE 8 AND SIZE 23 COMBO CONTACT ARRANGEMENTS, TESTED AT 1300 VAC

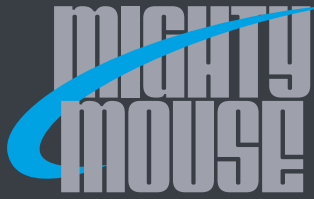


Insert Arrangement	13-201		18-208		19-205	
Contact Size	#8	#23	#8	#23	#8	#23
No. of Contacts	1	18	1	32	1	40



Insert Arrangement	21-201		21-202		23-200	
Contact Size	#8	#23	#8	#23	#8	#23
No. of Contacts	2	44	4	12	4	28

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Panel Cutout Dimensions and Polarization

PANEL CUTOUT DIMENSIONS

Panel Cutout For Jam-Nut and Wall Mount Receptacles						
<p>-02 FLANGE -12 & -22 FLANGE</p>			<p>-07 JAM NUT</p>			
Shell Size	Square Flange			Jam-Nut		
	G Bsc	Ø H	Ø R	N Flat	Ø P	
8	.660 (16.76)	.096 (2.44) .091 (2.31)	.515 (13.08)	.545 (13.84) .541 (13.74)	.572 (14.53) .567 (14.40)	
9	.723 (18.36)		.578 (14.68)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)	
10	.785 (19.94)		.640 (16.26)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)	
11	.848 (21.54)		.703 (17.86)	.731 (18.57) .727 (18.47)	.760 (19.30) .755 (19.18)	
12	.909 (23.09)		.765 (19.43)	.794 (20.17) .790 (20.07)	.822 (20.88) .817 (20.75)	
13	.973 (24.71)		.828 (21.03)	.851 (21.62) .847 (21.51)	.885 (22.48) .881 (22.38)	
15	1.058 (26.87)		.130 (3.30) .126 (3.20)	.953 (24.21)	.980 (24.89) .976 (24.79)	1.010 (25.65) 1.005 (25.53)
18	1.255 (31.88)			1.140 (28.96)	1.157 (29.39) 1.153 (29.29)	1.198 (30.43) 1.193 (30.30)
19	1.327 (33.71)			1.203 (30.56)	1.231 (31.27) 1.227 (31.17)	1.260 (32.00) 1.255 (31.88)
21	1.452 (36.88)			1.328 (33.73)	1.358 (34.49) 1.354 (34.39)	1.383 (35.13) 1.381 (35.08)
23	1.570 (39.88)	1.453 (36.91)		1.480 (37.59) 1.476 (37.49)	1.510 (38.35) 1.505 (38.23)	

POLARIZATION

Plug Key Positions		
Position	A°	B°
Normal (A)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

Receptacle Keyway Positions		
Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Crimp Contact Environmental Plug with Accessory Threads or Integral Shield Termination Platform



Series 805 Environmental Plugs: feature two shell styles including Integral banding porch version for direct shield attachment using Band-Master ATS[®] termination system, or accessory thread version for attaching a connector backshell or strain relief. EMI ground spring achieves low shell-to-shell resistance. This nickel-plated beryllium copper spring enables the

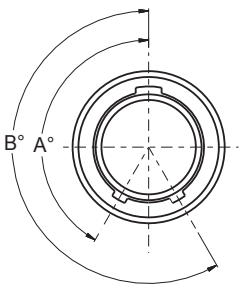
Series 805 to meet greater than 60 dB shielding effectiveness from 100 MHz to 15 GHz. Coupling features an anti-decoupling ratchet mechanism in the coupling nut that locks into radial teeth on the plug barrel. This feature allows the Series 805 to stay mated even when under high vibration, without the need for safety wire or torque tools. Crimp-removable contacts, size #23 to #8.

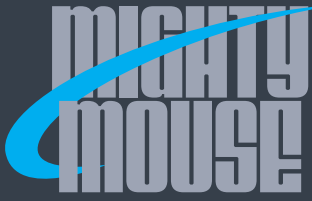
How To Order						
Sample Part Number	805-001	-16	M	8-4	P	A
Series (See Table I)	805-001 = Plug with Banding Platform 805-002 = Plug with Accessory Thread					
Shell Style	-16 = Plug Connector with Anti-Decoupling Mechanism					
Shell Material and Finish	C = Aluminum / Black Anodize (Non-Conductive); RoHS Compliant M = Aluminum / Electroless Nickel; RoHS Compliant MT = Aluminum / Nickel-PTFE RoHS Compliant NF = Aluminum / Cadmium with Olive Drab Chromate ZN = Aluminum / Zinc-Nickel 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 J-6					
Contact Type	Connector Supplied with contacts P = Pin S = Socket	Connector Supplied without contacts A = Pin Connector B = Socket Connector	Connector Supplied with 30 AWG Barrel Contacts G = #23 Pin H = #23 Socket			
Connectors with contacts are supplied with crimp contacts. Contacts not installed. For coax contacts, order contacts separately and order connector without contacts.						
Shell Key Positions (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					

SERIES 805 TRIPLE-START ACME THREAD

Table I: Series	
805-001 Plug with Banding Platform	805-002 Plug with Accessory Thread

Table II: Key Positions		
Key Position	Key Rotation	
	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



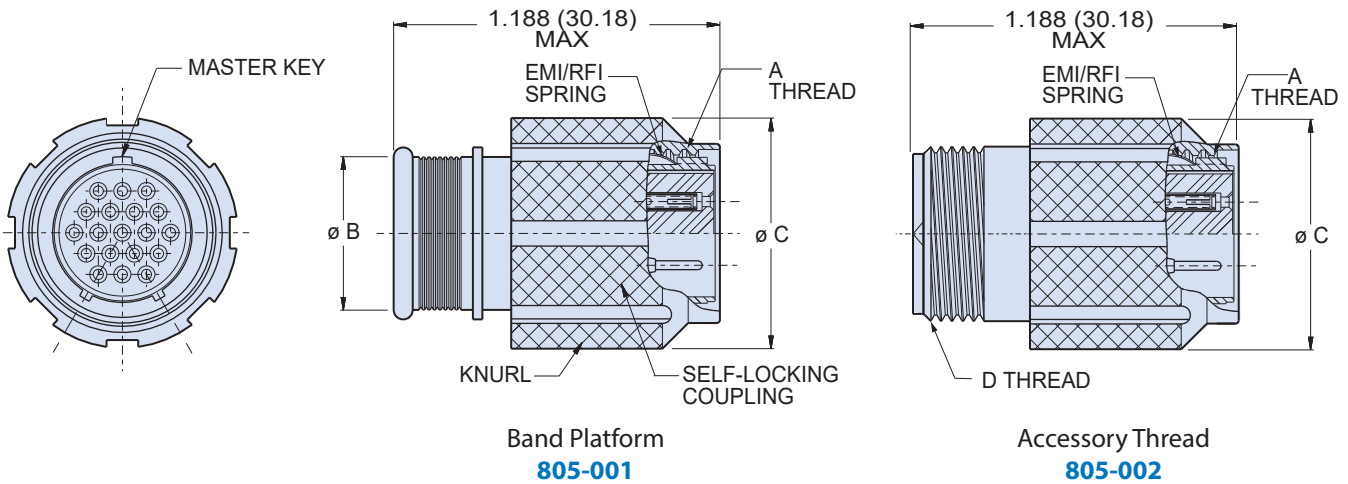


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Crimp Contact Environmental Plug with Accessory Threads or Integral Shield Termination Platform

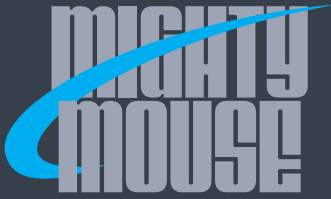
PLUG CONNECTOR - SHELL STYLE 16



Dimensions				
Shell Size	A Thread	Ø B	Ø C	D Thread Accessory
8	.5000-.1P-.3L-TS-2B	.317 (8.05)	.692 (17.58)	.3750-32 UNEF-2A
9	.5625-.1P-.3L-TS-2B	.397 (10.08)	.789 (20.04)	.4375-28 UNEF-2A
10	.6250-.1P-.3L-TS-2B	.473 (12.01)	.827 (21.01)	.5000-28 UNEF-2A
11	.6875-.1P-.3L-TS-2B	.519 (13.18)	.918 (23.32)	.5625-24 UNEF-2A
12	.7500-.1P-.3L-TS-2B	.585 (14.86)	.984 (24.99)	.6250-24 UNEF-2A
13	.8125-.1P-.3L-TS-2B	.646 (16.41)	1.047 (26.59)	.6875-24 UNEF-2A
15	.9375-.1P-.3L-TS-2B	.687 (17.45)	1.098 (27.89)	.7500-20 UNEF-2A
18	1.1250-.1P-.3L-TS-2B	.884 (22.45)	1.287 (32.69)	.9375-20 UNEF-2A
19	1.1875-.1P-.3L-TS-2B	.884 (22.45)	1.311 (33.30)	.9375-20 UNEF-2A
21	1.3125-.1P-.3L-TS-2B	1.003 (25.48)	1.448 (36.78)	1.0625-18 UNEF-2A
23	1.4375-.1P-.3L-TS-2B	1.135 (28.83)	1.562 (39.67)	1.1875-18 UNEF-2A

NOTES

1. This connector mates with all quick coupling high density receptacle connectors with same polarization and opposite contact gender (805-003, 805-004, 805-005, and 805-006).
2. For additional insert arrangements consult factory.
3. Contacts are crimp type and are used in a rear release retention system.
4. Connectors supplied with standard crimp contacts. For coax or other special contacts, order connector less contacts (contact style A or B) and order contacts separately.
5. Materials and Finishes
 - Connector Shell: Aluminum or stainless steel
 - Insulator: High-grade rigid dielectric
 - Seals: Fluorosilicone rubber, blue
 - Pin Contact: Copper alloy, gold over nickel plating
 - Socket Contact: Copper alloy, gold over nickel plating, with SST hood
 - Contact Retainer Clip: Beryllium copper, unplated



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Right Angle Environmental Plug with Integral Shield Termination Platform and Crimp Contacts

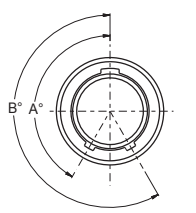


Series 805 Mighty Mouse Cobra™ features integral ultra-low profile right angle shielded backshell reduces clearance requirements without compromising ruggedness, environmental protection, or shielding performance. Removable rear cover allows easy access for soldering wires or inserting crimped wire contacts. Cover gasket prevents moisture intrusion. Master key may be clocked in 24 positions. Contacts are gold-plated copper alloy. Integral backshell allows for termination of cable shield to backshell with Band-Master strap and includes groove for lipped heat shrink boots. Crimp contacts are snap-in rear release — supplied separately. Available with size #23 contacts only.

How To Order	
Sample Part Number	805-061-16 Z1 8-6 P A 1 05
Series and Shell Style	805-061-16 = Low Profile, Right Angle Plug with Integral Backshell
Shell Material and Finish	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 Note 10)	8-4, 8-6, 8-7, 9-10, 10-13, 11-19, 12-26, 13-31, 15-37, 18-55, 19-85, 21-100, 23-130
Contact Type	A = Pin, Solder P = Pin, Crimp B = Socket, Solder S = Socket, Crimp
Shell Key Positions (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F
Cable Exit Direction (See Table II)	1 through 8
Cable Entry Size (See Table III)	02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17

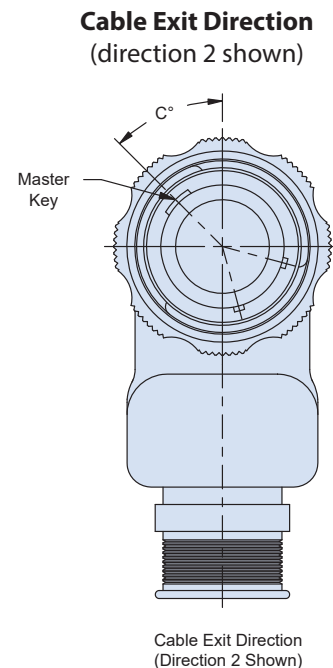
SERIES 805 TRIPLE-START ACME THREAD

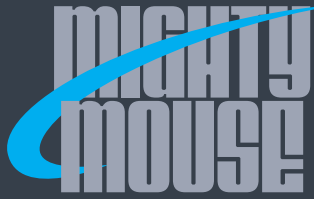
Pos.	A	B
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



Direction	C°
1	0°
2	45°
3	90°
4	135°
5	180°
6	225°
7	270°
8	315°

Code	Entry Size	Code	Entry Size
02	.125 (3.18)	10	.625 (15.88)
03	.188 (4.78)	11	.688 (17.48)
04	.250 (6.35)	12	.750 (19.05)
05	.313 (7.95)	13	.813 (2.65)
06	.375 (9.52)	14	.875 (22.23)
07	.438 (11.13)	15	.938 (23.83)
08	.500 (12.70)	16	1.000 (25.40)
09	.563 (14.30)	17	1.063 (27.00)



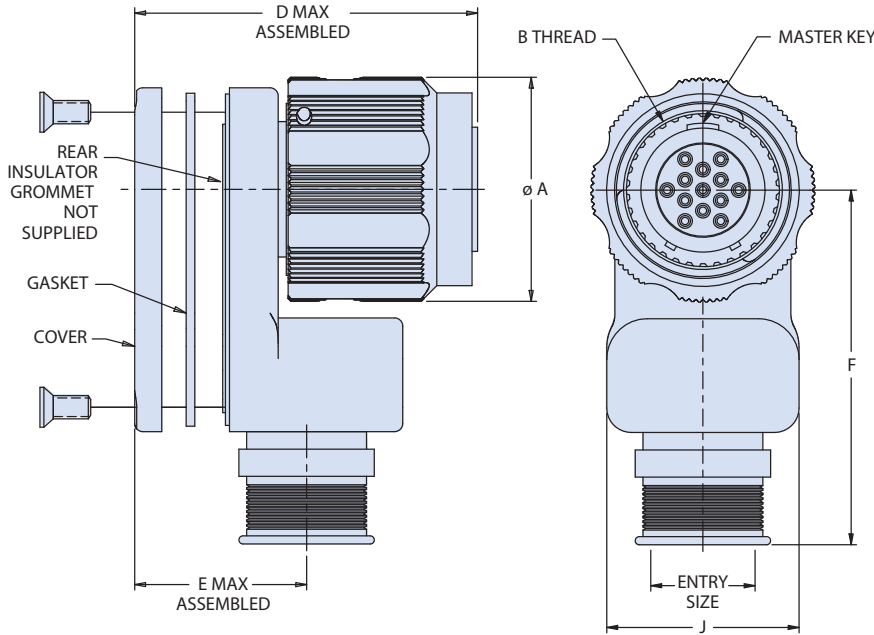


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Right Angle Environmental Plug with Integral Shield Termination Platform and Crimp Contacts

LOW PROFILE COBRA™ RIGHT ANGLE PLUG WITH INTEGRAL BACKSHELL

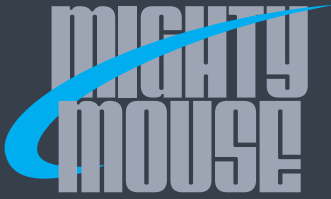


NOTES

1. Contacts are size 23
2. Consult factory for additional contact arrangements and or shell orientations
3. Crimp barrel accommodate 22, 24, 26 and 28 gage wire
4. Crimp tool data:
 - Hand crimp tool: Glenair P/N 809-015
 - Positioner for hand tool: Glenair P/N 809-005
 - Insertion/extraction tool: Glenair P/N 809-088
5. This connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender 805-003, 805-004
6. Rear insulator grommet not supplied
7. See Table IV for wire bend radius restrictions
8. Material and Finish
 - Plug barrel, coupling nut, housing, cover: aluminum alloy or SST / see how to order table
 - Insulator: High Grade Rigid Dielectric / N.A.
 - Interfacial seal, gasket: fluorosilicone / N.A.
 - Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
 - Contact retention clip: beryllium copper alloy / N.A.
 - Hardware: stainless steel / passivate or black oxide
 - Retaining wire: torlon / N.A.
 - Detent spring, rivet: stainless steel / N.A.
 - EMI ground spring: beryllium copper / electroless nickel

Dimensions									
Shell Size	Ø A	B Thread	D	E	F	G	H	J	Max Entry
8	.65 (15.7)	.5000-.1P-.3L-TS-2B	1.02 (25.9)	.34 (8.6)	1.24 (31.5)	1.76 (44.7)	1.62 (41.1)	.560 (14.22)	04
9	.79 (20.1)	.5625-.1P-.3L-TS-2B	1.03 (26.2)	.39 (9.9)	1.28 (32.5)	1.77 (45.0)	1.63 (41.4)	.650 (16.51)	05
10	.83 (21.1)	.6250-.1P-.3L-TS-2B	1.05 (26.7)	.42 (10.7)	1.31 (33.3)	1.79 (45.5)	1.65 (41.9)	.710 (18.03)	06
11	.92 (23.4)	.6875-.1P-.3L-TS-2B	1.08 (27.4)	.45 (11.4)	1.34 (34.0)	1.82 (46.2)	1.68 (42.7)	.770 (19.56)	07
12	.98 (24.9)	.7500-.1P-.3L-TS-2B	1.11 (28.2)	.48 (12.2)	1.37 (34.8)	1.85 (47.0)	1.71 (43.4)	.835 (21.21)	08
13	1.05 (26.7)	.8125-.1P-.3L-TS-2B	1.14 (29.0)	.50 (12.7)	1.43 (36.3)	1.88 (47.8)	1.74 (44.2)	.900 (22.86)	09
15	1.10 (27.9)	.9375-.1P-.3L-TS-2B	1.17 (29.7)	.52 (13.2)	1.48 (37.6)	1.91 (48.5)	1.77 (45.0)	.950 (24.13)	10
18	1.29 (32.8)	1.1250-.1P-.3L-TS-2B	1.25 (31.8)	.58 (14.7)	1.64 (41.7)	1.99 (50.5)	1.85 (47.0)	1.070 (27.18)	12
19	1.31 (33.3)	1.1875-.1P-.3L-TS-2B	1.32 (33.5)	.63 (16.0)	1.78 (45.2)	2.06 (52.3)	1.92 (48.8)	1.180 (29.97)	13
21	1.45 (36.8)	1.3125-.1P-.3L-TS-2B	1.44 (36.6)	.70 (17.8)	1.89 (48.0)	2.18 (55.4)	2.04 (51.8)	1.300 (33.02)	15
23	1.56 (39.6)	1.4375-.1P-.3L-TS-2B	1.55 (39.4)	.76 (19.3)	1.98 (50.3)	2.30 (58.4)	2.16 (54.9)	1.410 (35.81)	17

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Right Angle Environmental Plug with Integral Shield Termination Platform and Crimp Contacts

LOW PROFILE COBRA™ RIGHT ANGLE PLUG MATING SPACE REQUIREMENTS

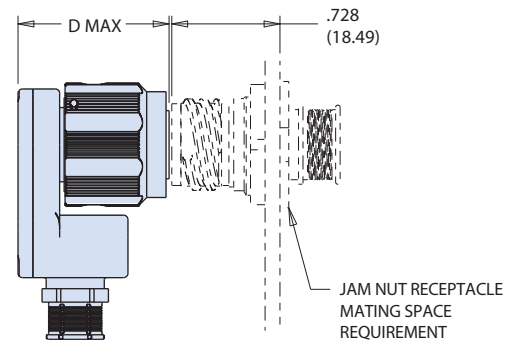
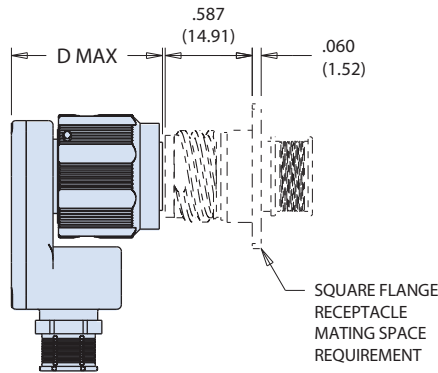
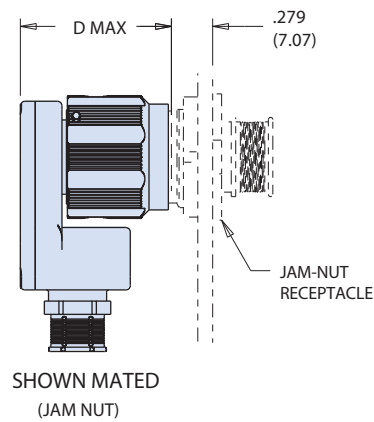
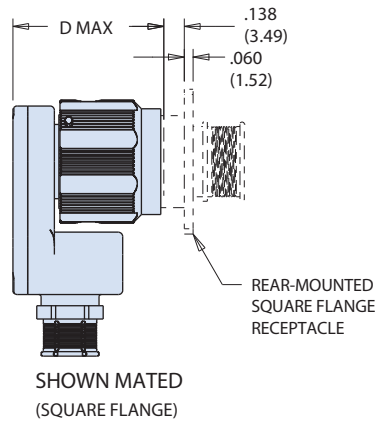
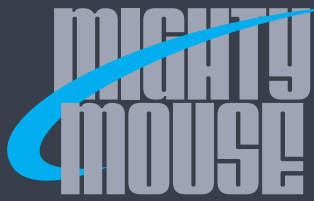


Table IV: Wire Bend Radius

Wire Size	Bend Radius
30 AWG	10x max
28 AWG	10x max
26 AWG	10x max
24 AWG	10x max
22 AWG	8x max
20 AWG	7x max
18 AWG	6x max
16 AWG	5x max
14 AWG	4x max
12 AWG	4x max

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Environmental Receptacles with Integral Shield Termination Platform or Accessory Threads



Series 805 Environmental Receptacles feature gold-plated crimp contacts, held in place with beryllium copper retention clips. Series supports signal, power, coax (RF), and high-speed twinax and quadrax, sizes #23, #20, #20HD, #16, #12, and #8. Select integral band platform for direct attachment of a cable shield. Platform includes boot groove for easy installation of environmental shrink boot. Select accessory thread for attachment of backshells or strain relief clamps.

How To Order		805-004	-02	NF	9-10	P	A
Sample Part Number							
Series (See Table I)	805-003 = Receptacle with Banding Platform 805-004 = Receptacle with Accessory Thread						
Shell Style (See Table II)	-01 = In-line -02 = Square Flange Front or Rear Mount -12 = Square Flange Rear Mount Non-Locking Clinch Nuts* -22 = Square Flange Rear Mount Locking Clinch Nuts* -07 = Jam-Nut for Rear Panel Mounting						
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 ZB = Stainless Steel / Olive Drab Chromate over Cadmium ZC = Stainless Steel / Zinc Cobalt Alloy/Black Chromate						
Shell Size - Insert Arrangement	See Contact Arrangements Page J-6						
Contact Type	Connector supplied with crimp contacts P = Pin G = #23 Pin with 30 AWG Crimp Barrel S = Socket H = #23 Socket with 30 AWG Crimp Barrel For coax contacts, order contacts separately and order connector without contacts.	Connector supplied without contacts A = Pin Connector, less contacts B = Socket Connector, less contacts					
Shell Key Positions (See Table III)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F						

* Consult Factory for SST Material

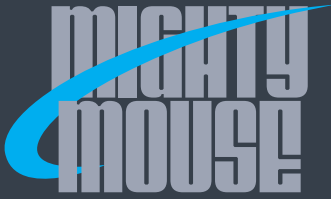
Table I: Series	
805-003 Receptacle with Banding Platform	805-004 Receptacle with Accessory Thread

Table II: Shell Style		
-01 In-line Receptacle	-02, -12, -22 Square Flange	-07 Jam-Nut

Table III: Keyway Positions		
Pos.	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

NOTES

- Contacts are crimp type and used in rear release retention system
- This receptacle mates with all quick coupling high density plug connectors with same polarization and opposite contact gender
- For all insert arrangements with size #8 contacts add .227" to overall length
- Grommet protrudes for power/combo/#8 arrangements
- Maximum panel thickness for 01, 02, 12, and 22 is .100 (2.54) max
- See J-11 for panel cut-out dimensions

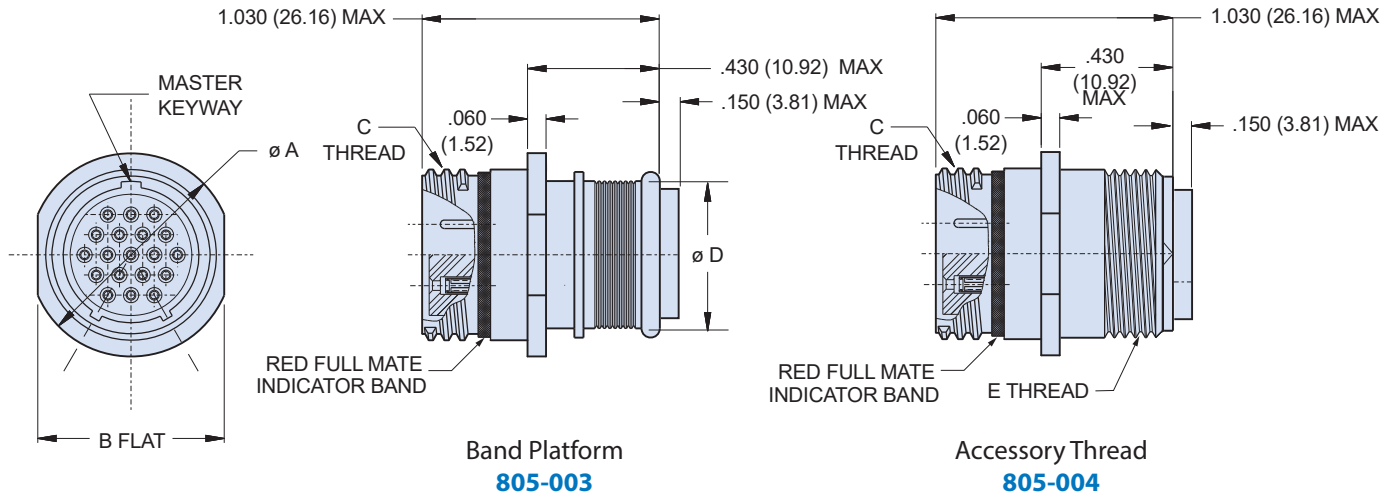


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Square Flange Receptacle with Integral Shield Termination Platform or Accessory Threads

IN-LINE CABLE RECEPTACLE - SHELL STYLE 01

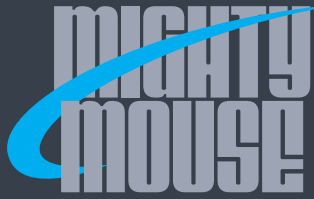


Dimensions					
Shell Size	Ø A	B Flat	C Thread	Ø D	E Accessory Thread
8	.540 (13.72)	.510 (12.95)	.5000-.1P-.3L-TS-2A	.316 (8.03)	.3750-32 UNEF-2A
9	.605 (15.37)	.575 (14.60)	.5625-.1P-.3L-TS-2A	.397 (10.08)	.4375-28 UNEF-2A
10	.668 (16.97)	.638 (16.21)	.6250-.1P-.3L-TS-2A	.472 (11.99)	.5000-28 UNEF-2A
11	.730 (18.54)	.700 (17.78)	.6875-.1P-.3L-TS-2A	.519 (13.18)	.5625-24 UNEF-2A
12	.793 (20.14)	.763 (19.38)	.7500-.1P-.3L-TS-2A	.585 (14.86)	.6250-24 UNEF-2A
13	.855 (21.72)	.825 (20.96)	.8125-.1P-.3L-TS-2A	.646 (16.41)	.6875-24 UNEF-2A
15	.980 (24.89)	.950 (24.13)	.9375-.1P-.3L-TS-2A	.687 (17.45)	.7500-20 UNEF-2A
18	1.165 (29.59)	1.135 (28.83)	1.1250-.1P-.3L-TS-2A	.884 (22.45)	.9375-20 UNEF-2A
19	1.235 (31.37)	1.205 (30.61)	1.1875-.1P-.3L-TS-2A	.884 (22.45)	.9375-20 UNEF-2A
21	1.360 (34.54)	1.330 (33.78)	1.3125-.1P-.3L-TS-2A	1.003 (25.48)	1.0625-18 UNEF-2A
23	1.485 (37.72)	1.455 (36.96)	1.4375-.1P-.3L-TS-2A	1.134 (28.80)	1.1875-18 UNEF-2A

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

SERIES 805 TRIPLE-START ACME THREAD

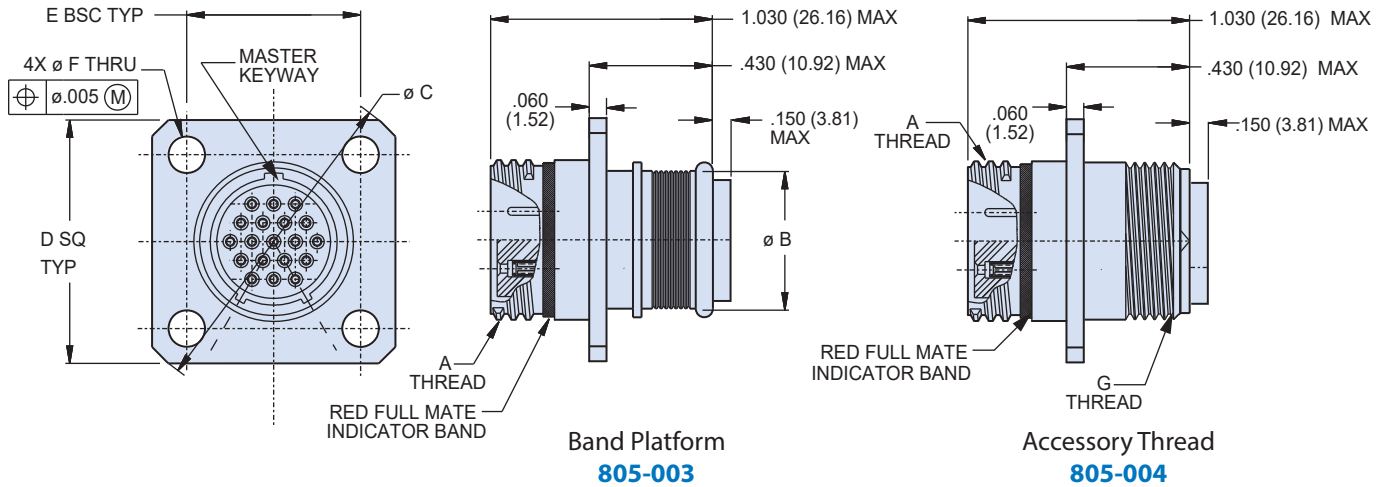


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Square Flange Receptacle with Integral Shield Termination Platform or Accessory Threads

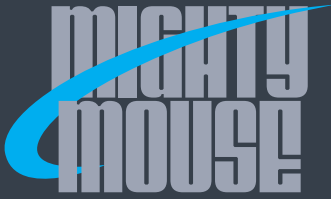
SQUARE FLANGE, FRONT OR REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 02



Dimensions							
Shell Size	A Thread	ϕ B	ϕ C	D Sq Typ	E Bsc	ϕ F $\pm .003$ (.08)	G Thread
8	.5000-1P-.3L-TS-2A	.316 (8.03)	1.150 (29.21)	.850 (21.59)	.660 (16.76)	.096 (2.44) .091 (2.31)	.3750-32 UNEF-2A
9	.5625-1P-.3L-TS-2A	.397 (10.08)	1.230 (31.24)	.913 (23.19)	.723 (18.36)		.4375-28 UNEF-2A
10	.6250-1P-.3L-TS-2A	.472 (11.99)	1.330 (33.78)	.975 (24.76)	.785 (19.94)		.5000-28 UNEF-2A
11	.6875-1P-.3L-TS-2A	.519 (13.18)	1.410 (35.81)	1.039 (26.39)	.848 (21.54)		.5625-24 UNEF-2A
12	.7500-1P-.3L-TS-2A	.585 (14.86)	1.500 (38.10)	1.099 (27.91)	.909 (23.09)		.6250-24 UNEF-2A
13	.8125-1P-.3L-TS-2A	.646 (16.41)	1.590 (40.39)	1.163 (29.54)	.973 (24.71)		.6875-24 UNEF-2A
15	.9375-1P-.3L-TS-2A	.687 (17.45)	1.750 (44.45)	1.288 (32.72)	1.058 (26.87)	.130 (3.30) .126 (3.20)	.7500-20 UNEF-2A
18	1.1250-1P-.3L-TS-2A	.884 (22.45)	2.000 (50.80)	1.475 (37.47)	1.255 (31.88)		.9375-20 UNEF-2A
19	1.1875-1P-.3L-TS-2A	.884 (22.45)	2.094 (53.19)	1.537 (39.04)	1.327 (33.71)		.9375-20 UNEF-2A
21	1.3125-1P-.3L-TS-2A	1.003 (25.48)	2.270 (57.66)	1.663 (42.24)	1.452 (36.88)		1.0625-18 UNEF-2A
23	1.4375-1P-.3L-TS-2A	1.134 (28.80)	2.440 (61.98)	1.787 (45.39)	1.570 (39.88)		1.1875-18 UNEF-2A

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

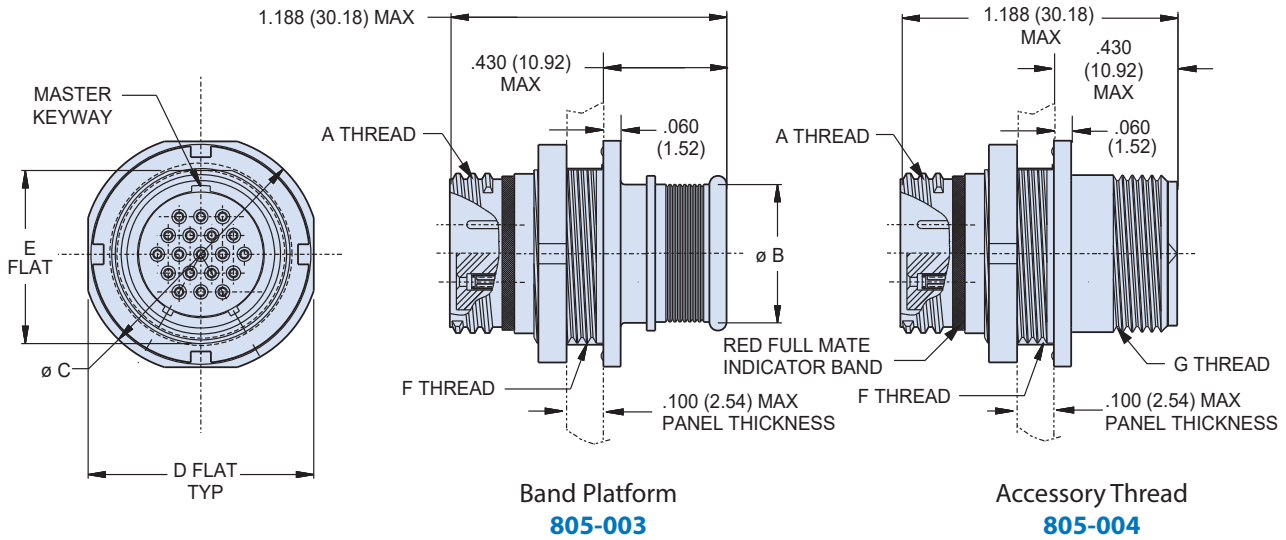


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Jam-Nut Receptacle with Integral Shield Termination Platform or Accessory Thread

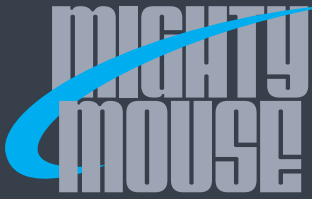
JAM-NUT, REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions							
Shell Size	A Thread .1P-.3L-TS-2A	Ø B	Ø C	D Flat	E Flat	F Threads	G Accessory Thread
8	.5000	.316 (8.03)	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5625-28 UNEF-2A	.3750-32 UNEF-2A
9	.5625	.397 (10.08)	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A	.4375-28 UNEF-2A
10	.6250	.472 (11.99)	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A	.5000-28 UNEF-2A
11	.6875	.519 (13.18)	.955 (24.26)	.925 (23.50)	.721 (18.31)	.7500-28 UN-2A	.5625-24 UNEF-2A
12	.7500	.585 (14.86)	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.8125-28 UN-2A	.6250-24 UNEF-2A
13	.8125	.646 (16.41)	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8750-28 UN-2A	.6875-24 UNEF-2A
15	.9375	.687 (17.45)	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	1.0000-28 UN-2A	.7500-20 UNEF-2A
18	1.1250	.884 (22.45)	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1875-28 UN-2A	.9375-20 UNEF-2A
19	1.1875	.884 (22.45)	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.2500-28 UN-2A	.9375-20 UNEF-2A
21	1.3125	1.003 (25.48)	1.590 (40.39)	1.560 (39.62)	1.350 (34.29)	1.3750-28 UN-2A	1.0625-18 UNEF-2A
23	1.4375	1.134 (28.80)	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.5000-28 UN-2A	1.1875-18 UNEF-2A

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

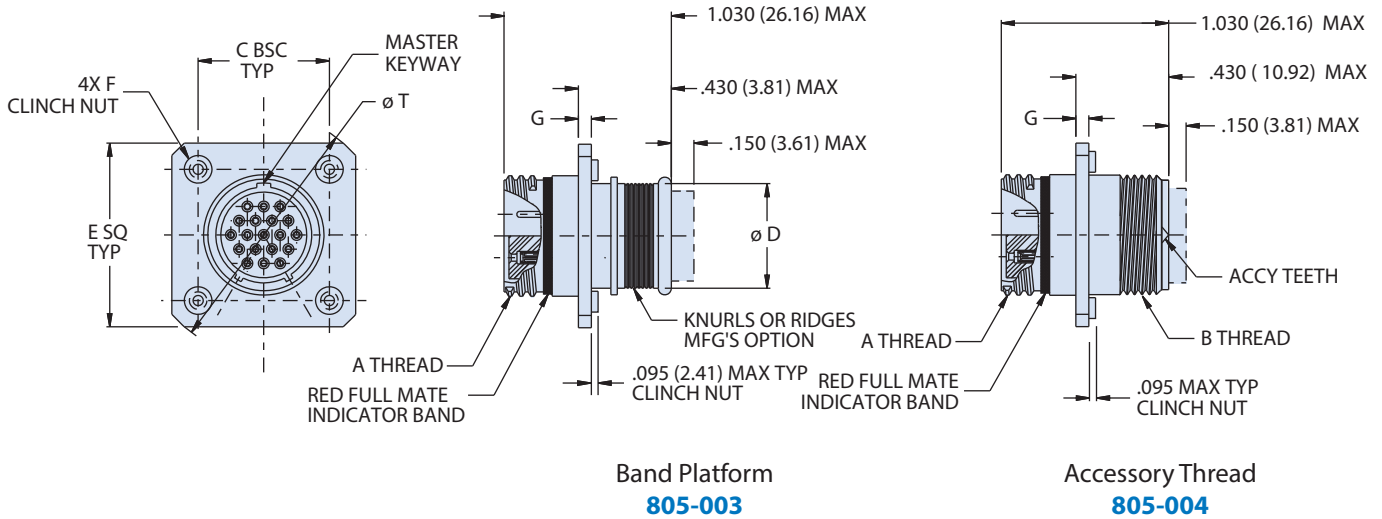


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Square Flange Receptacles with Integral Shield Termination Platform or Accessory Thread

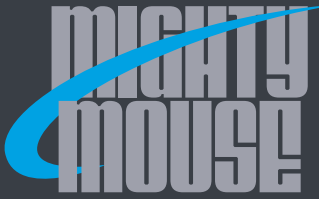
SQUARE FLANGE, REAR PANEL MOUNT RECEPTACLE WITH CLINCH NUTS - SHELL STYLE 12/22



Dimensions								
Shell Size	A Thread	B Thread	C BSC	Ø D	E SQ	Ø T	F Clinch Nuts	G
8	.5000-.1P-.3L-TS-2A	.3750-32 UNEF-2A	.660 (16.76)	.316 (8.03)	.920 (23.37)	1.194 (30.33)	2-56	.030 (0.76)
9	.5625-.1P-.3L-TS-2A	.4375-28 UNEF-2A	.723 (18.36)	.397 (10.08)	.983 (24.97)	1.283 (32.59)		
10	.6250-.1P-.3L-TS-2A	.5000-28 UNEF-2A	.785 (19.94)	.472 (11.99)	1.045 (26.54)	1.371 (34.82)		
11	.6875-.1P-.3L-TS-2A	.5625-24 UNEF-2A	.848 (21.54)	.519 (13.18)	1.104 (28.04)	1.460 (37.08)		
12	.7500-.1P-.3L-TS-2A	.6250-24 UNEF-2A	.909 (23.09)	.585 (14.86)	1.169 (29.69)	1.546 (39.27)		
13	.8125-.1P-.3L-TS-2A	.6875-24 UNEF-2A	.973 (24.71)	.646 (16.41)	1.233 (31.32)	1.637 (41.58)		
15	.9375-.1P-.3L-TS-2A	.7500-20 UNEF-2A	1.058 (26.87)	.687 (17.45)	1.378 (35.00)	1.817 (46.15)	4-40	.060
18	1.1250-.1P-.3L-TS-2A	.9375-20 UNEF-2A	1.255 (31.88)	.884 (22.45)	1.575 (40.00)	2.096 (53.24)		
19	1.1875-.1P-.3L-TS-2A	.9375-20 UNEF-2A	1.327 (33.71)	.884 (22.45)	1.647 (41.83)	2.197 (55.80)		
21	1.3125-.1P-.3L-TS-2A	1.0625-18 UNEF-2A	1.452 (36.88)	1.003 (25.48)	1.772 (45.01)	2.380 (60.45)		
23	1.4375-.1P-.3L-TS-2A	1.1875-18 UNEF-2A	1.570 (39.88)	1.134 (28.80)	1.890 (48.01)	2.541 (64.54)		

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Environmental or Watertight Receptacle with PC Tail or Solder Cup Contacts



Environmental, PCB Receptacle 805-005 power and signal connectors feature low profile shells for minimum protrusion inside enclosures and integral board standoffs. Standard signal and power contacts are non-removable (consult factory for shielded contact configurations).

Water-Tight PCB Receptacle 805-017 connectors are identical to 805-005, 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	805-017	-07	M	10-13	P	B
Series	805-005 = Receptacle with Standard Epoxy Potting 805-017 = Receptacle with Special "MOD-518" Sealing For Open Face (unmated) Water Immersion Requirements. 100% Leak Tested.					
Shell Style (See Table I)	-02 = Square Flange, Front or Rear Panel Mount -12 = Square Flange, Rear Panel Mount with Non-Locking Clinch Nuts* -22 = Square Flange, Rear Panel Mount with Locking Clinch Nuts* -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 ZB = Stainless Steel / Olive Drab Chromate over Cadmium ZC = Stainless Steel / Zinc Cobalt Alloy/Black Chromate					
Shell Size - Insert Arrangement	See Contact Arrangements Page J-6. **					
Contact Type	P = Pin, PC Tail S = Socket, PC Tail E = Pin, Solder Cup F = Socket, Solder Cup					
Polarization (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					

*Consult Factory for SST Material **Power and signal contacts only. For shielded contact applications, consult factory.

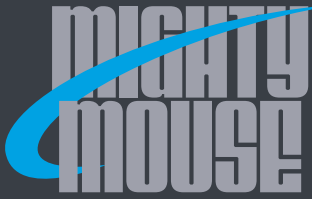
Table I: Shell Style	
-02, -12, -22 Square Flange	-07 Jam-Nut

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

NOTES

1. Contacts are non removable and connector is back potted
2. For additional insert arrangements consult factory
3. This receptacle mates with all quick coupling high density plug connectors with same polarization and opposite contact gender
4. For all insert arrangements with size #8 contacts add .327 (8.31) to overall length
5. See J-11 for panel cut-out dimensions

SERIES 805 TRIPLE-START ACME THREAD

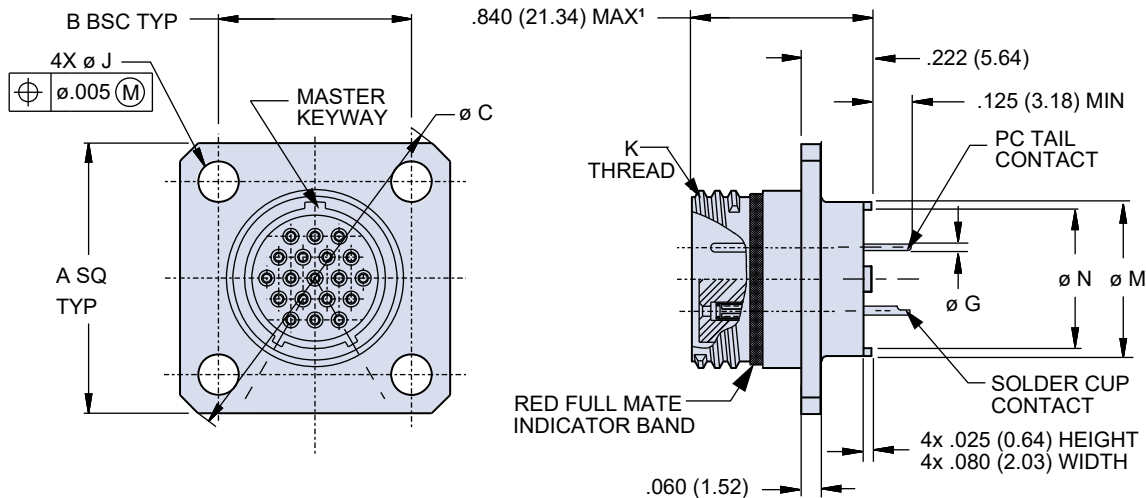


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Environmental or Watertight Receptacle with PC Tail or Solder Cup Contacts

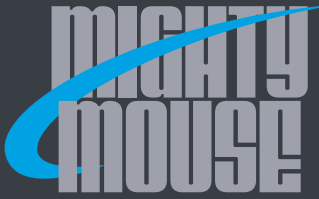
SQUARE FLANGE, FRONT OR REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 02



Dimensions								
Shell Size	A SQ Typ	B Bsc Typ	Ø C	Ø J ± .003 (0.08)	K Thread	Ø M	Ø N	Ø G Tail Dia.
8	.850 (21.59)	.660 (16.76)	1.150 (29.21)	.094 (2.39)	.5000-.1P-.3L-TS	.330 (8.38)	.236 (5.99)	
9	.913 (23.19)	.723 (18.36)	1.230 (31.24)	.094 (2.39)	.5625-.1P-.3L-TS	.432 (10.97)	.322 (8.18)	
10	.975 (24.76)	.785 (19.94)	1.330 (33.78)	.094 (2.39)	.6250-.1P-.3L-TS	.493 (12.52)	.386 (9.80)	#23 .018/.022 (0.46/0.56)
11	1.039 (26.39)	.848 (21.54)	1.410 (35.81)	.094 (2.39)	.6875-.1P-.3L-TS	.551 (14.00)	.442 (11.23)	
12	1.099 (27.91)	.909 (23.09)	1.500 (38.10)	.094 (2.39)	.7500-.1P-.3L-TS	.620 (15.75)	.513 (13.03)	#20 .024/.028 (0.61/0.71)
13	1.163 (29.54)	.973 (24.71)	1.590 (40.39)	.094 (2.39)	.8125-.1P-.3L-TS	.661 (16.79)	.554 (14.07)	
15	1.288 (32.72)	1.058 (26.87)	1.750 (44.45)	.128 (3.25)	.9375-.1P-.3L-TS	.703 (17.86)	.594 (15.09)	#16 .060/.064 (1.52/1.63)
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)	.128 (3.25)	1.1250-.1P-.3L-TS	.863 (21.92)	.755 (19.18)	
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)	.128 (3.25)	1.1875-.1P-.3L-TS	.912 (23.16)	.805 (20.45)	#12 .092/.096 (2.34/2.44)
21	1.663 (42.24)	1.452 (36.88)	2.270 (57.66)	.128 (3.25)	1.3125-.1P-.3L-TS	1.017 (25.83)	.910 (23.11)	
23	1.787 (45.39)	1.570 (39.88)	2.440 (61.98)	.128 (3.25)	1.4375-.1P-.3L-TS	1.162 (29.51)	1.055 (26.80)	

Materials and Finishes

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

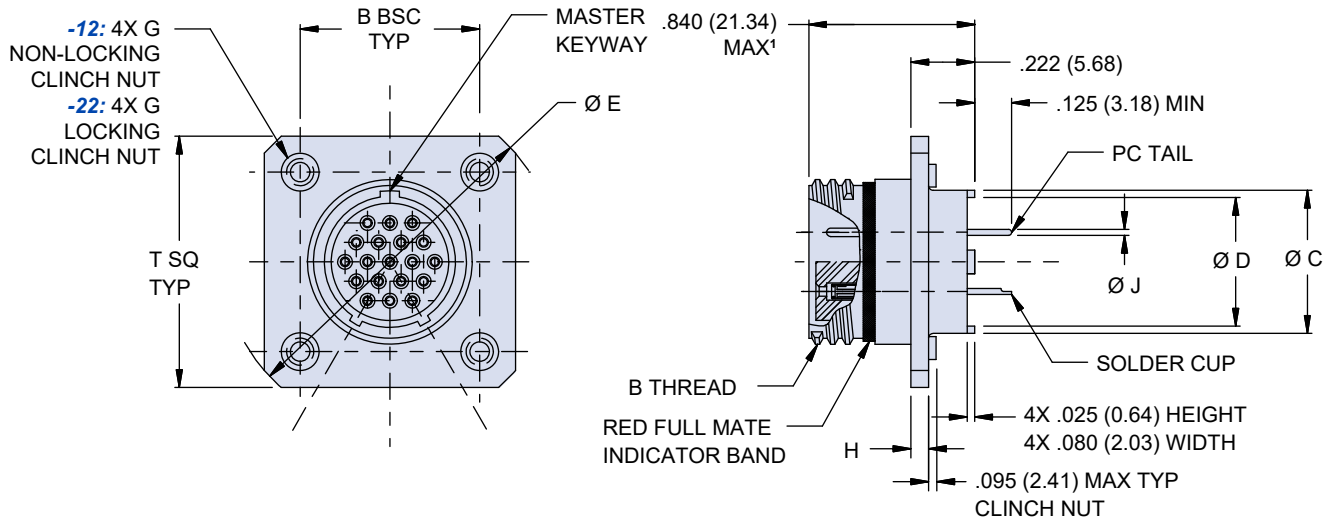


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Environmental or Watertight Receptacle with PC Tail or Solder Cup Contacts

SQUARE FLANGE, FRONT OR REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 12 AND 22

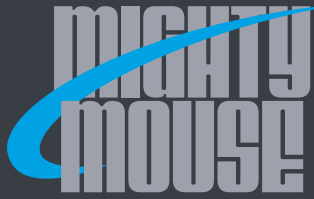


Dimensions									
Shell Size	B BSC Typ	B Thread	Ø C	Ø D	Ø E	T SQ Typ	G	H	Ø J Tail Dia.
8	.660 (16.76)	.5000-1P-3L-TS	0.330 (8.38)	0.236 (5.99)	1.194 (30.33)	0.920 (23.37)	2-56	0.030 (.76)	#23 .018/.022 (0.46/0.56)
9	.723 (18.36)	.5625-1P-3L-TS	0.432 (10.97)	0.322 (8.18)	1.283 (32.59)	0.983 (24.97)			
10	.785 (19.94)	.6250-1P-3L-TS	0.493 (12.52)	0.386 (9.80)	1.371 (34.82)	1.045 (26.54)			
11	.848 (21.54)	.6875-1P-3L-TS	0.551 (14.00)	0.442 (11.23)	1.460 (37.08)	1.104 (28.04)			
12	.909 (23.09)	.7500-1P-3L-TS	0.620 (15.75)	0.513 (13.03)	1.546 (39.27)	1.169 (29.69)			
13	.973 (24.71)	.8125-1P-3L-TS	0.661 (16.79)	0.554 (14.07)	1.637 (41.58)	1.233 (31.32)			
15	1.058 (26.87)	.9375-1P-3L-TS	0.705 (17.91)	0.594 (15.09)	1.817 (46.15)	1.378 (35.00)	4-40	0.060 (1.52)	#16 .060/.064 (1.52/1.63)
18	1.255 (31.88)	1.1250-1P-3L-TS	0.863 (21.92)	0.755 (19.18)	2.096 (53.24)	1.575 (40.00)			
19	1.327 (33.71)	1.1875-1P-3L-TS	0.912 (23.16)	0.805 (20.45)	2.197 (55.80)	1.647 (41.83)			
21	1.452 (36.88)	1.3125-1P-3L-TS	1.017 (25.83)	0.910 (23.11)	2.380 (60.45)	1.772 (45.01)			
23	1.570 (39.88)	1.4375-1P-3L-TS	1.162 (29.51)	1.055 (26.80)	2.541 (64.54)	1.890 (48.01)			

Materials and Finishes

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

SERIES 805 TRIPLE-START ACME THREAD

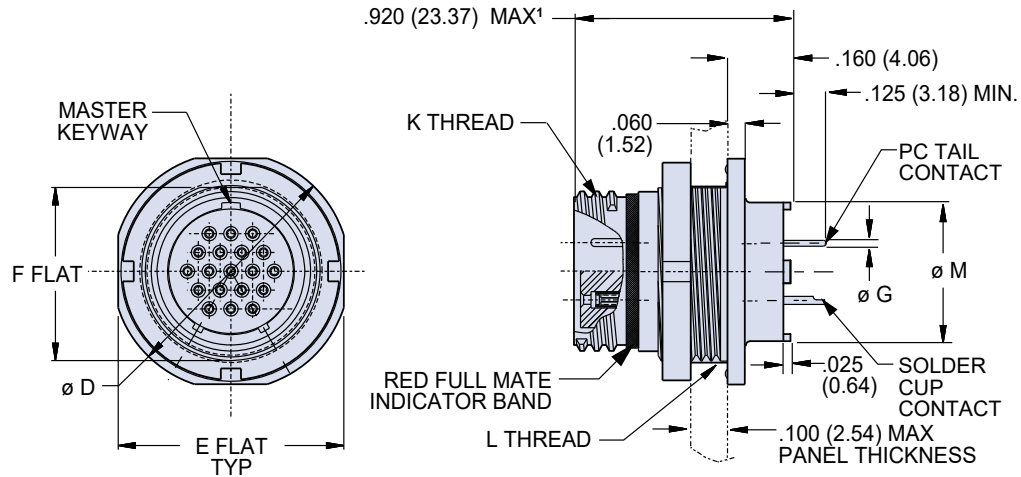


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Environmental or Watertight Receptacle with PC Tail or Solder Cup Contacts

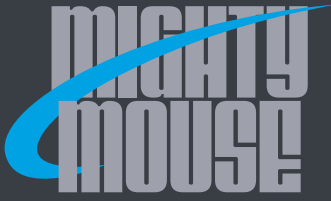
JAM-NUT, REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions							
Shell Size	Ø D	E Flat	F Flat	K Thread	L Thread	Ø M	Ø G Tail Dia.
8	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5000-.1P-.3L-TS	.5625-28 UNEF-2A	.330 (8.38)	
9	.880 (22.35)	.850 (21.59)	.661 (16.79)	.5625-.1P-.3L-TS	.6875-28 UN-2A	.432 (10.97)	
10	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6250-.1P-.3L-TS	.6875-28 UN-2A	.493 (12.52)	#23 .018/.022 (0.46/0.56)
11	.955 (24.26)	.925 (23.50)	.721 (18.31)	.6875-.1P-.3L-TS	.7500-28 UN-2A	.551 (14.00)	
12	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.7500-.1P-.3L-TS	.8125-28 UN-2A	.620 (15.75)	#20 .024/.028 (0.61/0.71)
13	1.120 (28.45)	1.090 (27.69)	.841 (21.36)	.8125-.1P-.3L-TS	.8750-28 UN-2A	.661 (16.79)	
15	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	.9375-.1P-.3L-TS	1.0000-28 UN-2A	.705 (17.91)	#16 .060/.064 (1.52/1.63)
18	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1250-.1P-.3L-TS	1.1875-28 UN-2A	.863 (21.92)	
19	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.1875-.1P-.3L-TS	1.2500-28 UN-2A	.912 (23.16)	#12 .092/.096 (2.34/2.44)
21	1.580 (40.13)	1.550 (39.37)	1.348 (34.24)	1.3125-.1P-.3L-TS	1.3750-28 UN-2A	1.017 (25.83)	
23	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.4375-.1P-.3L-TS	1.500-28 UN-2A	1.162 (29.51)	

Materials and Finishes

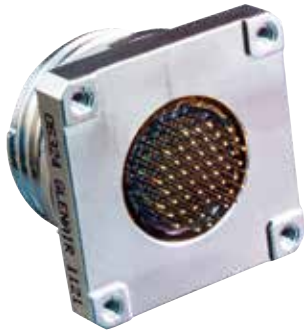
- Shell, jam-nut: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal, O-ring: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate
- Potting compound: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



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Rear Panel Mount Jam-Nut Receptacle PCB Connector with PC Tails or Solder Cups



Series 805 Jam-Nut, Rear Panel Mount PC Tail or Solder Cup Receptacle features a choice of stainless steel or aluminum alloy shells. Threaded heli-coil (2-56 x .086) allows for direct board attachment. Available power and signal PC tail or solder cup contacts are gold plated copper alloy and non-removable. Integral .025 (0.64)

standoff allows for board washout. Choose PC tails for attachment to flexible or rigid boards. Select solder cups for direct wire attachment. Connector is back potted and parylene compatible. Mates with all triple start threaded high density series 805 plug connectors with the same polarization and opposite contact gender.

How To Order						
Sample Part Number	805-067	-07	M	8-23	P	A
Series	805-067 = PCB Receptacle with Solder Cup or PC tail Contacts					
Shell Style (See Table I)	-07 = Jam-Nut, Rear Panel Mount Receptacle with Non-Locking Heli-Coils -17 = Jam-Nut, Rear Panel Mount Receptacle with Self-Locking Heli-Coils					
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 J-6*					
Contact Type	P = Pin, PC Tail S = Socket, PC Tail		E = Pin, Solder Cup F = Socket, Solder Cup			
Polarization (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					

*Power and signal contacts only. For shielded contact applications, consult factory.

Table I: Shell Style

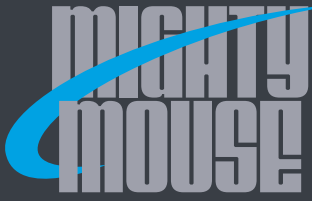
<p>-07</p> <p>Jam-Nut, Rear Panel Mount with Non-Locking Heli-Coils</p>	<p>-17</p> <p>Jam-Nut, Rear Panel Mount with Self-Locking Heli-Coils</p>

NOTES

1. Contacts are nonremoveable and connector is back potted
2. Connector receptacle mates with all series 805 triple start thread high density plug connectors with same polarization and opposite contact gender
3. For all #8 arrangements, add .227 (5.77) to overall length
4. See J-11 for panel cut-out dimensions

Table II: Keyway Positions

<table border="1"> <thead> <tr> <th>Position</th> <th>A°</th> <th>B°</th> </tr> </thead> <tbody> <tr> <td>A (Normal)</td> <td>150°</td> <td>210°</td> </tr> <tr> <td>B</td> <td>75°</td> <td>210°</td> </tr> <tr> <td>C</td> <td>95°</td> <td>230°</td> </tr> <tr> <td>D</td> <td>140°</td> <td>275°</td> </tr> <tr> <td>E</td> <td>75°</td> <td>275°</td> </tr> <tr> <td>F</td> <td>95°</td> <td>210°</td> </tr> </tbody> </table>	Position	A°	B°	A (Normal)	150°	210°	B	75°	210°	C	95°	230°	D	140°	275°	E	75°	275°	F	95°	210°
Position	A°	B°																			
A (Normal)	150°	210°																			
B	75°	210°																			
C	95°	230°																			
D	140°	275°																			
E	75°	275°																			
F	95°	210°																			

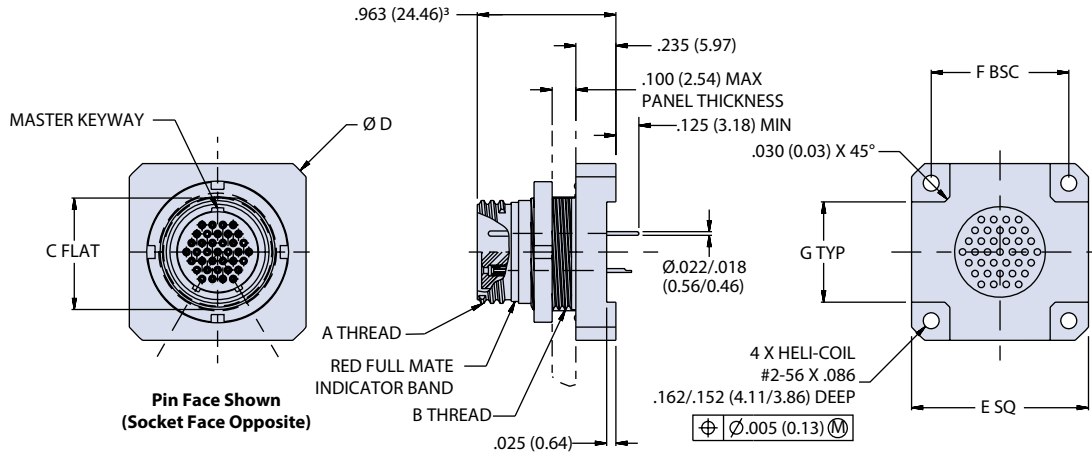


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Rear Panel Mount Jam-Nut Receptacle PCB Connector with PC Tails or Solder Cups

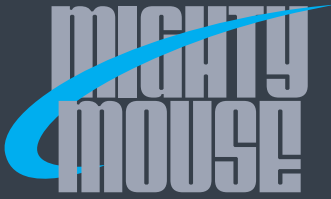
JAM-NUT, REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions							
Shell Size	A Thread	B Thread	C Flat	Ø D	E SQ	F BSC	G Typ
8	.5000-.1P-.3L-TS	.5625-28 UNEF-2A	.535 (13.59)	.920 (23.37)	.729 (18.52)	.496 (12.60)	.276 (7.01)
9	.5625-.1P-.3L-TS	.6875-28 UN-2A	.661 (16.79)	1.110 (28.19)	.859 (21.82)	.627 (15.93)	.407 (10.34)
10	.6250-.1P-.3L-TS	.6875-28 UN-2A	.661 (16.79)	1.110 (28.19)	.859 (21.82)	.627 (15.93)	.407 (10.34)
11	.6875-.1P-.3L-TS	.7500-28 UN-2A	.721 (18.31)	1.200 (30.48)	.930 (23.62)	.698 (17.73)	.478 (12.14)
12	.7500-.1P-.3L-TS	.8125-28 UN-2A	.784 (19.91)	1.370 (34.80)	1.044 (26.52)	.812 (20.62)	.592 (15.04)
13	.8125-.1P-.3L-TS	.8750-28 UN-2A	.843 (21.41)	1.420 (36.07)	1.085 (27.56)	.853 (21.67)	.633 (16.08)
15	.9375-.1P-.3L-TS	1.0000-28 UN-2A	.970 (24.64)	1.560 (39.62)	1.175 (29.85)	.943 (23.95)	.723 (18.36)
18	1.1250-.1P-.3L-TS	1.1875-28 UN-2A	1.147 (29.13)	1.800 (45.72)	1.351 (34.32)	1.119 (28.42)	.899 (22.83)
19	1.1875-.1P-.3L-TS	1.2500-28 UN-2A	1.221 (31.01)	1.880 (47.75)	1.407 (35.74)	1.175 (29.85)	.955 (24.26)
21	1.3125-.1P-.3L-TS	1.3750-28 UN-2A	1.350 (34.29)	2.090 (53.09)	1.550 (39.37)	1.318 (33.48)	1.098 (27.89)
23	1.4375-.1P-.3L-TS	1.5000-28 UN-2A	1.470 (37.34)	2.270 (57.66)	1.680 (42.67)	1.448 (36.78)	1.228 (31.19)

Material and Finish

- Shell, jam-nut: aluminum alloy or SST / see how to order table
- Insulator: High Grade Rigid Dielectric / N.A.
- Interfacial seal, O-ring, peripheral seal: 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.



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



PC Tail or Solder Cup Receptacle with Ground Pins

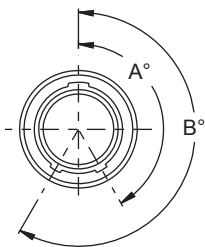


Series 805 PC Tail or Solder Cup Contacts Receptacle with Ground Pins

Connector features copper alloy, gold plated PC tails or solder cup contacts. Ground pins are pressed into the shell body to provide a direct grounding path from the connector shell to the PCB board creating a common ground path for the connector, the panel it is mounted against, and printed circuit board. Modified double-start stub ACME mating thread for improved protection against cross-mating and thread damage. Two shell styles available — rear panel mount jam-nut or front/rear panel mount square flange. PC tail contacts for attachment to flex or rigid circuit boards. Choose solder cups for connections between devices, PCB's and discrete instruments

How To Order	
Sample Part Number	805-054 -07 M 6-4 P A
Series	805-054 = PCB Receptacle with PC Tail or Solder Cup Contacts and Ground Pins
Shell Style	-02 = Square Flange, Front or Rear Panel Mount -07 = Jam-Nut, Rear Panel Mount
Material and Finish	C = Black Anodize M = Aluminum / Electroless Nickel NF = Aluminum / Cadmium with Olive Drab Chromate ZN = Aluminum / Zinc-Nickel Olive Drab over Electroless Nickel
Shell Size - Insert Arrangement	See Contact Arrangements page E-7
Contact Type	P = Pin, PC Tail E = Pin, Solder Cup S = Socket, PC Tail F = Socket, Solder Cup
Polarization (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F

Table I: Keyway Positions

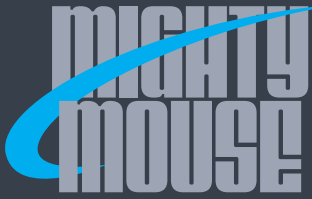


Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

NOTES

1. Contacts are non removable, the connector is back potted
2. This receptacle connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender (804-101, 804-002)
3. See page J-11 for panel cut-out dimensions
4. Material / finish:
 - Shell, jam-nut: aluminum alloy or CRES / N.A.
 - Insulator: high-grade rigid dielectric
 - Interfacial seal, O-ring: fluorosilicone
 - Contact, ground pins: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25 (.00005 minimum thickness), over a suitable underplate
 - Potting compound: epoxy / N.A.

SERIES 805 TRIPLE-START ACME THREAD

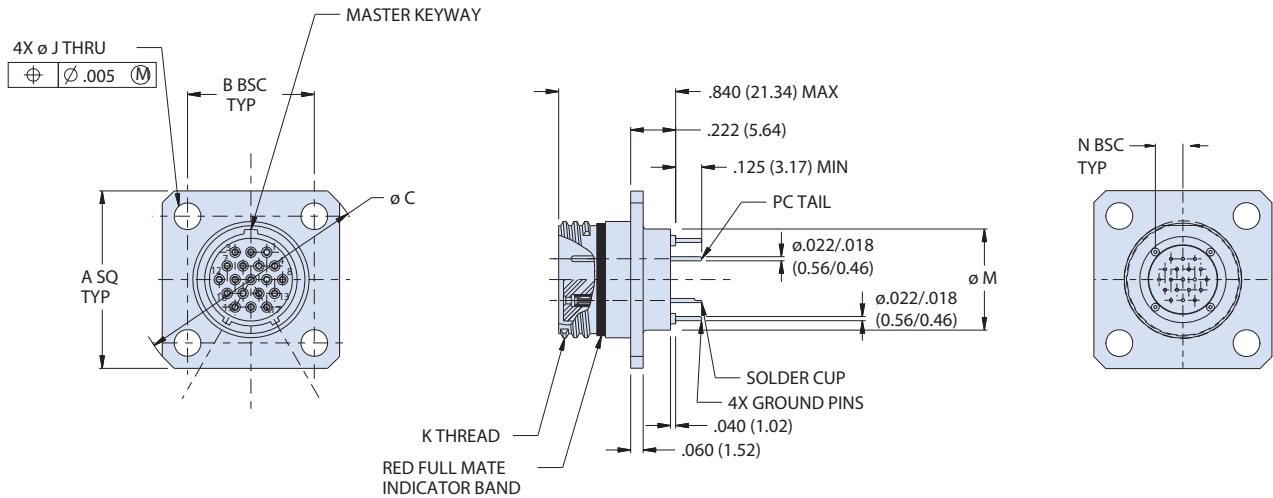


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



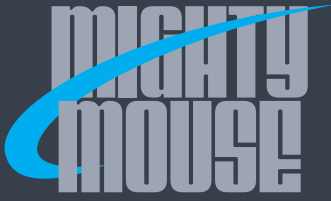
PC Tail or Solder Cup Receptacle with Ground Pins

SQUARE FLANGE-MOUNT RECEPTACLE - STYLE 02



DIMENSIONS							
SHELL SIZE	A SQ	B BSC	Ø C	J HOLES	K THREAD	Ø M	N BSC
8	0.850 (21.59)	0.660 (16.76)	1.150 (29.21)	0.096 (2.44) 0.091 (2.31)	.5000-.1P-.3L-TS	0.398 (10.11)	0.109 (2.77)
9	0.913 (23.19)	0.723 (18.36)	1.230 (31.24)		.5625-.1P-.3L-TS	0.486 (12.34)	0.147 (3.73)
10	0.975 (24.76)	0.785 (19.94)	1.330 (33.78)		.6250-.1P-.3L-TS	0.548 (13.92)	0.165 (4.19)
11	1.039 (26.39)	0.848 (21.54)	1.410 (35.81)		.6875-.1P-.3L-TS	0.606 (15.39)	0.179 (4.55)
12	1.099 (27.91)	0.909 (23.09)	1.500 (38.10)		.7500-.1P-.3L-TS	0.675 (17.15)	0.202 (5.13)
13	1.163 (29.54)	0.973 (24.71)	1.590 (40.39)		.8125-.1P-.3L-TS	0.716 (18.19)	0.222 (5.64)
15	1.288 (32.72)	1.058 (26.87)	1.750 (44.45)		.9375-.1P-.3L-TS	0.758 (19.25)	0.239 (6.07)
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)	0.130 (3.30) 0.126 (3.20)	1.1250-.1P-.3L-TS	0.918 (23.32)	0.296 (7.52)
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)		1.1875-.1P-.3L-TS	0.967 (24.56)	0.313 (7.95)
21	1.663 (42.24)	1.452 (36.88)	2.270 (57.66)		1.3125-.1P-.3L-TS	1.072 (27.23)	0.350 (8.89)
23	1.787 (45.39)	1.570 (39.88)	2.440 (61.98)		1.4375-.1P-.3L-TS	1.215 (30.86)	0.401 (10.19)

SERIES 805 TRIPLE-START ACME THREAD

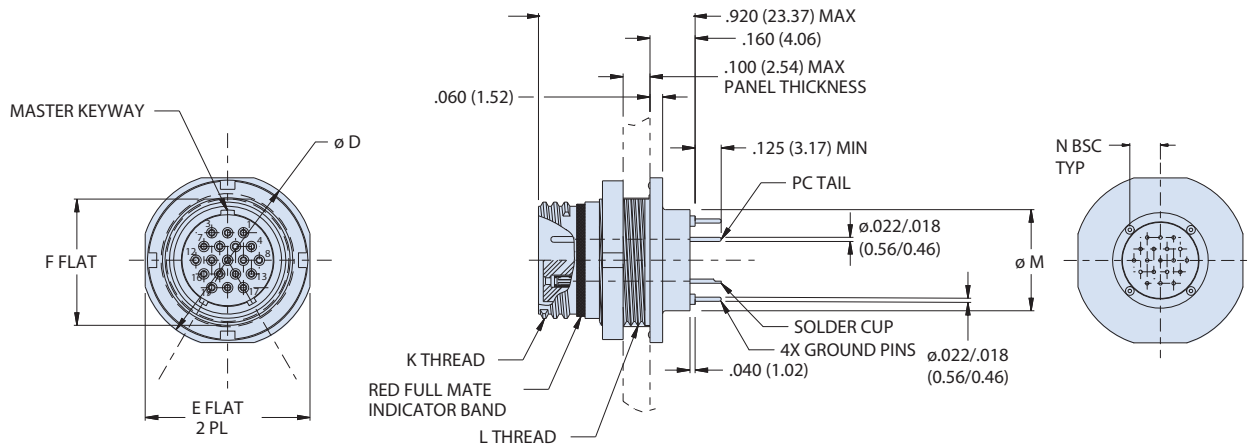


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



PC Tail or Solder Cup Receptacle with Ground Pins

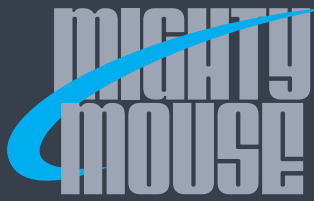
JAM-NUT, REAR PANEL MOUNT RECEPTACLE - STYLE 07



DIMENSIONS

SHELL SIZE	ϕD	E FLAT	F FLAT	K THREAD	L THREAD	ϕM	N BSC
8	0.760 (19.30)	0.730 (18.54)	0.535 (13.59)	.5000-.1P-.3L-TS	.5625-28 UNEF-2A	0.398 (10.11)	0.109 (2.77)
9	0.880 (22.35)	0.850 (21.59)	0.661 (16.79)	.5625-.1P-.3L-TS	.6875-28 UN-2A	0.486 (12.34)	0.147 (3.73)
10	0.880 (22.35)	0.850 (21.59)	0.661 (16.79)	.6250-.1P-.3L-TS	.6875-28 UN-2A	0.548 (13.92)	0.165 (4.19)
11	0.955 (24.26)	0.925 (23.50)	0.721 (18.31)	.6875-.1P-.3L-TS	.7500-28 UN-2A	0.606 (15.39)	0.179 (4.55)
12	1.060 (26.92)	1.035 (26.29)	0.784 (19.91)	.7500-.1P-.3L-TS	.8125-28 UN-2A	0.675 (17.15)	0.202 (5.13)
13	1.120 (28.45)	1.090 (27.69)	0.841 (21.36)	.8125-.1P-.3L-TS	.8750-28 UN-2A	0.716 (18.19)	0.222 (5.64)
15	1.203 (30.56)	1.173 (29.79)	0.970 (24.64)	.9375-.1P-.3L-TS	1.0000-28 UN-2A	0.758 (19.25)	0.239 (6.07)
18	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1250-.1P-.3L-TS	1.1875-28 UN-2A	0.918 (23.32)	0.296 (7.52)
19	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.1875-.1P-.3L-TS	1.2500-28 UN-2A	0.967 (24.56)	0.313 (7.95)
21	1.580 (40.13)	1.550 (39.37)	1.348 (34.24)	1.3125-.1P-.3L-TS	1.3750-28 UN-2A	1.072 (27.23)	0.350 (8.89)
23	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.4375-.1P-.3L-TS	1.5000-28 UN-2A	1.215 (30.86)	0.401 (10.19)

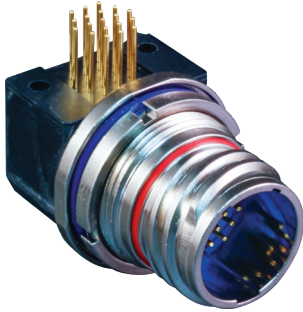
SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Right Angle PC Tail Jam-Nut Mount PCB Header Receptacle



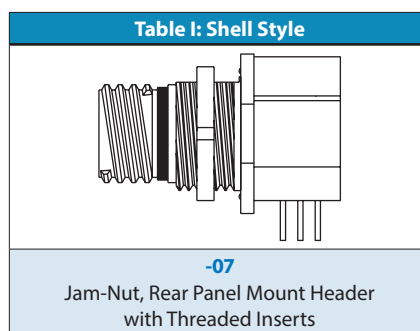
Right Angle PCB Header Receptacle Connectors offer military grade performance in a small, lightweight package. These connectors are rated for MIL-STD-810 Method 512 immersion. High temperature thermoplastic housing withstands soldering temperatures. Stainless steel threaded inserts simplify attachment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

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

How To Order						
Sample Part Number	805-011	-07	M	8-7	S	A
Series	805-011 = Right Angle PCB Header Receptacle					
Shell Style	-07 = Jam-Nut, Rear Panel Mount (See Table II)					
Shell Material and Finish	C = Aluminum / Black Anodize (Non-Conductive); RoHS Compliant M = Aluminum / Electroless Nickel; 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	8-1, 8-4, 8-6, 8-7, 9-1, 9-10, 10-2, 10-13, 11-4, 11-19, 11-200, 12-2, 12-5, 12-201; see J-33 to J-35 for PCB footprints					
Contact Type	P = Pin, PC Tail S = Socket, PC Tail					
Polarization(See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					

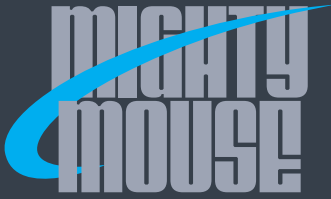
Table I: Polarization

Position	A°	B°
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



NOTES

1. Torque 2-56 screws to 20-25 in/oz with Loc-Tite recommended
2. For shell sizes 11 and 12, 2-56 start of thread is .150 +.000/-.050 below surface and mounting hole depth is .350
3. For shell sizes 8-10, 2-56 start of thread is .100 +.000/-.050 below surface
4. See page J-11 for recommended panel cut-outs
5. 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.

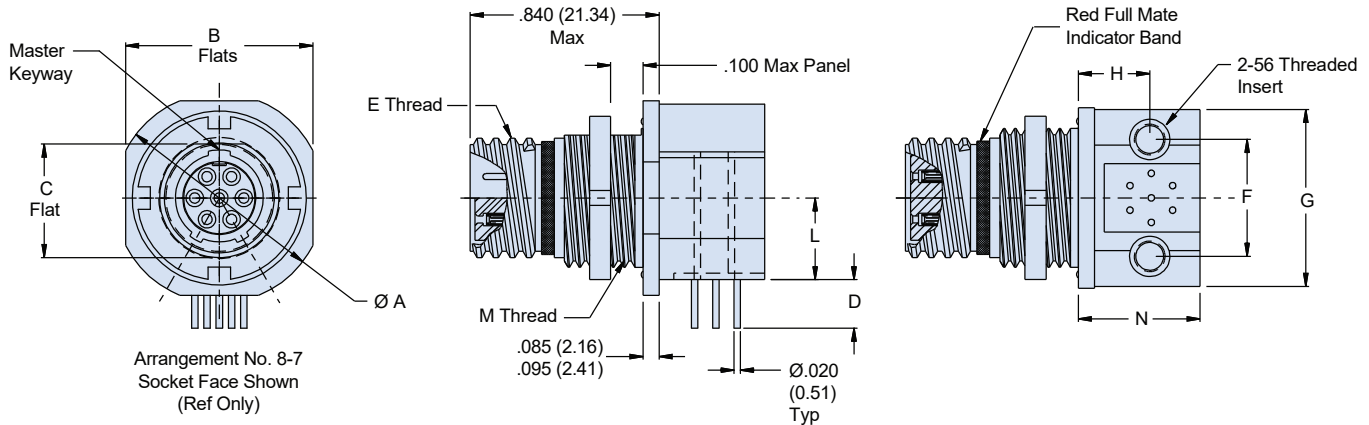


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



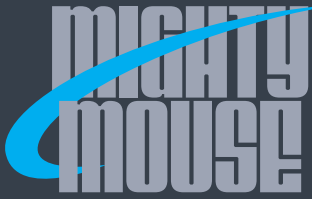
Right Angle PC Tail Jam-Nut Mount PCB Header Receptacle

JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions											
Shell Size	A	B	C ± .002 (0.05)	D ± .035 (0.89)	E Thread .1P-.3L- TS	F	G	H	L	M Thread	N
8-1	.760 (19.30)	.730 (18.54)	.536 (13.61)	.292 (7.42)	.5000	.385 (9.78)	.589 (14.96)	.385 (9.78)	.225 (5.72)	.5625-28 UN-2A	.435 (11.05)
8-23	.760 (19.30)	.730 (18.54)	.536 (13.61)	.305 (7.75)	.5000	.385 (9.78)	.385 (9.78)	.385 (9.78)	.225 (5.72)	.5625-28 UN-2A	.435 (11.05)
8-4	.760 (19.30)	.730 (18.54)	.536 (13.61)	.292 (7.42)	.5000	.385 (9.78)	.589 (14.96)	.314 (7.98)	.225 (5.72)	.5625-28 UN-2A	.435 (11.05)
8-6	.760 (19.30)	.730 (18.54)	.536 (13.61)	.265 (6.73)	.5000	.408 (10.36)	.589 (14.96)	.277 (7.04)	.225 (5.72)	.5625-28 UN-2A	.435 (11.05)
8-7	.760 (19.30)	.730 (18.54)	.536 (13.61)	.265 (6.73)	.5000	.408 (10.36)	.589 (14.96)	.277 (7.04)	.225 (5.72)	.5625-28 UN-2A	.435 (11.05)
9-1	.880 (22.35)	.850 (21.59)	.662 (16.81)	.273 (6.93)	.5625	.452 (11.48)	.710 (18.03)	.260 (6.60)	.296 (7.52)	.6875-28 UN-2A	.435 (11.05)
9-10	.880 (22.35)	.850 (21.59)	.662 (16.81)	.273 (6.93)	.5625	.452 (11.48)	.710 (18.03)	.260 (6.60)	.296 (7.52)	.6875-28 UN-2A	.435 (11.05)
10-2	.880 (22.35)	.850 (21.59)	.664 (16.87)	.305 (7.75)	.6250	.490 (12.45)	.710 (18.03)	.320 (8.13)	.320 (8.13)	.6875-28 UN-2A	.580 (14.73)
10-13	.880 (22.35)	.850 (21.59)	.662 (16.81)	.305 (7.75)	.6250	.490 (12.45)	.710 (18.03)	.320 (8.13)	.320 (8.13)	.6875-28 UN-2A	.580 (14.73)
11-4	.952 (24.18)	.925 (23.50)	.722 (18.34)	.24 (6.10)	.6875	.600 (15.24)	.800 (20.32)	.432 (10.97)	.362 (9.19)	.7500-28 UN-2A	.580 (14.73)
11-19	.952 (24.18)	.925 (23.50)	.722 (18.34)	.275 (6.99)	.6875	.600 (15.24)	.800 (20.32)	.432 (10.97)	.362 (9.19)	.7500-28 UN-2A	.580 (14.73)
11-200	.952 (24.18)	.925 (23.50)	.722 (18.34)	.255 (6.48)	.6875	.600 (15.24)	.800 (20.32)	.432 (10.97)	.362 (9.19)	.7500-28 UN-2A	.580 (14.73)
12-2	1.06 (26.92)	1.035 (26.29)	.784 (19.91)	.299 (7.59)	.7500	.640 (16.26)	.840 (21.34)	.447 (11.35)	.397 (10.08)	.8125-28 UN-2A	.660 (16.76)
12-5	1.06 (26.92)	1.035 (26.29)	.784 (19.91)	.255 (6.48)	.7500	.640 (16.26)	.840 (21.34)	.447 (11.35)	.397 (10.08)	.8125-28 UN-2A	.660 (16.76)
12-201	1.06 (26.92)	1.035 (26.29)	.784 (19.91)	.294 (7.47)	.7500	.640 (16.26)	.840 (21.34)	.447 (11.35)	.397 (10.08)	.8125-28 UN-2A	.660 (16.76)

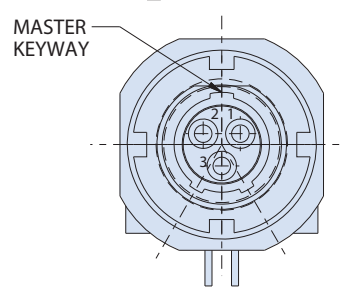
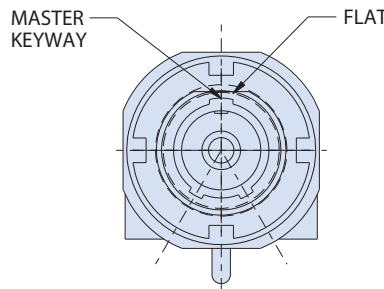
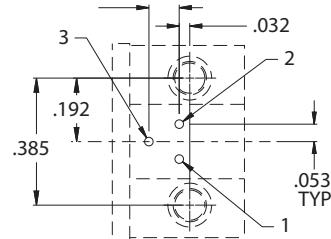
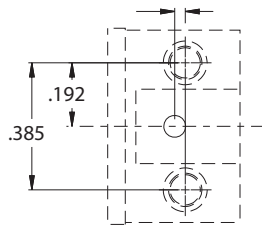
SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

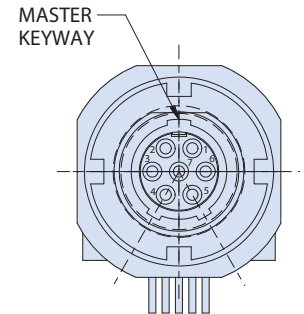
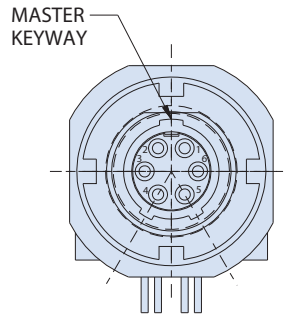
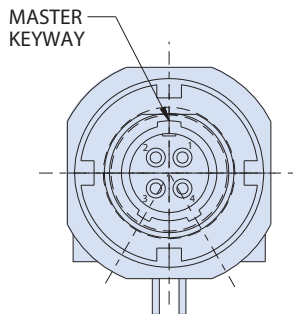
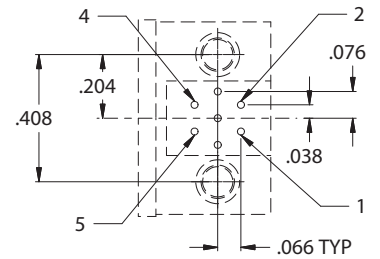
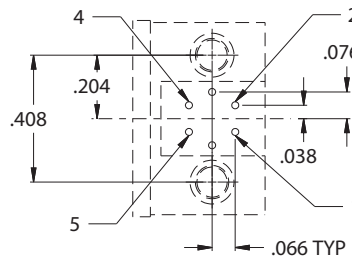
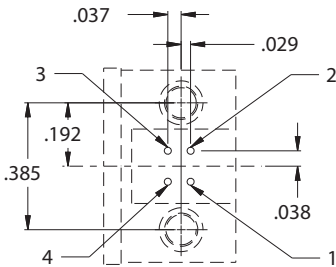


Right Angle PC Tail Jam-Nut Mount PCB Header Receptacle; PCB Footprints



ARRANGEMENT NO. 8-1
(1 #16 CONTACT)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)

ARRANGEMENT NO. 8-23
(3 #20HD CONTACTS)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)

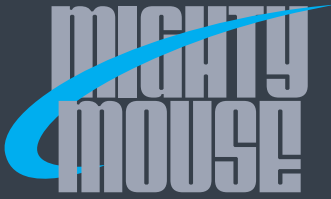


ARRANGEMENT NO. 8-4
(4 #23 CONTACTS)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)

ARRANGEMENT NO. 8-6
(6 #23 CONTACTS)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)

ARRANGEMENT NO. 8-7
(7 #23 CONTACTS)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)

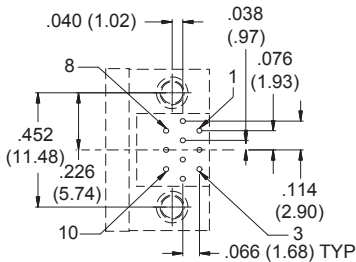
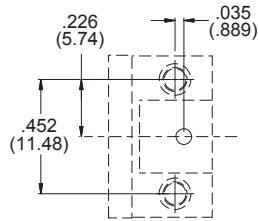
SERIES 805 TRIPLE-START ACME THREAD



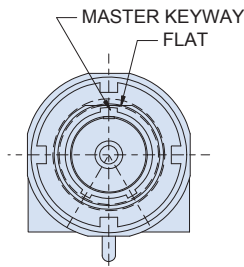
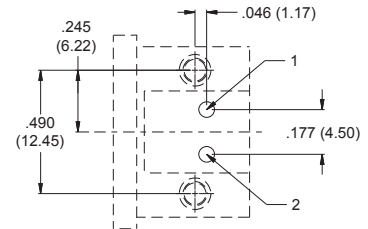
SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



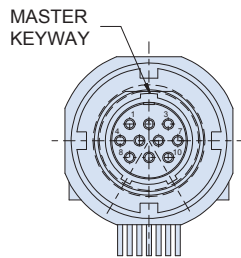
Right Angle PC Tail Jam-Nut Mount PCB Header Receptacle; PCB Footprints



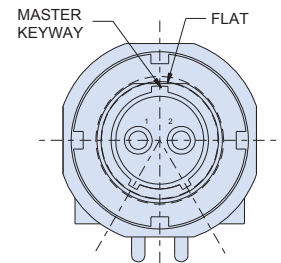
PCB FOOTPRINT



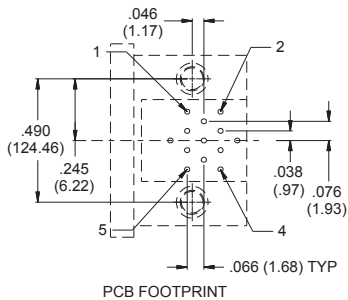
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SOCKET FACE SHOWN
(PIN FACE OPPOSITE)



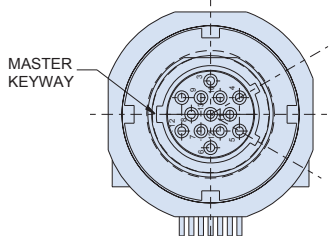
ARRANGEMENT NO. 9-10
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SOCKET FACE SHOWN
(PIN FACE OPPOSITE)



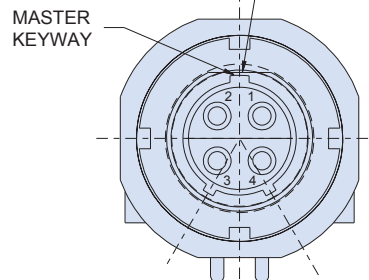
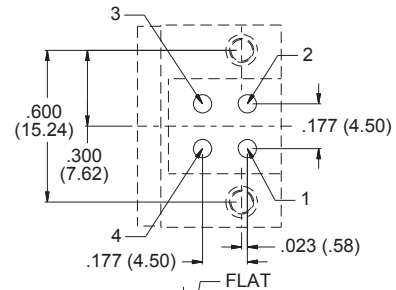
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SOCKET FACE SHOWN
(PIN FACE OPPOSITE)



PCB FOOTPRINT

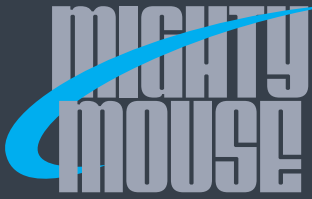


ARRANGEMENT NO. 10-13
(13 #23 CONTACTS)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)



ARRANGEMENT NO. 11-4
(4 #16 CONTACTS)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)

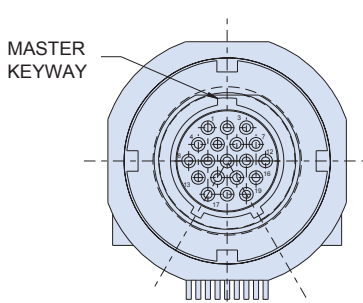
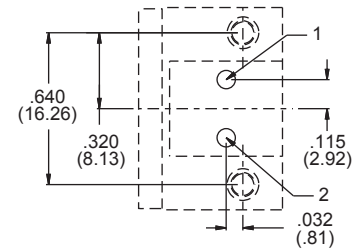
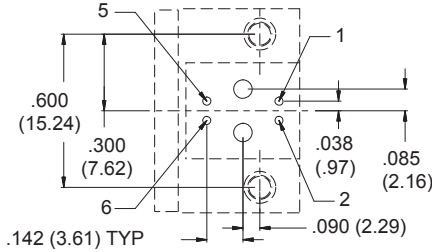
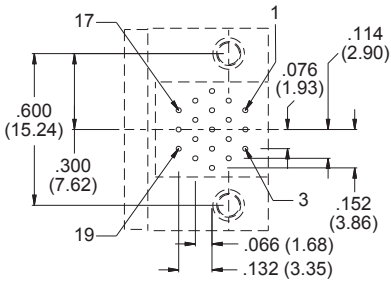
SERIES 805 TRIPLE-START ACME THREAD



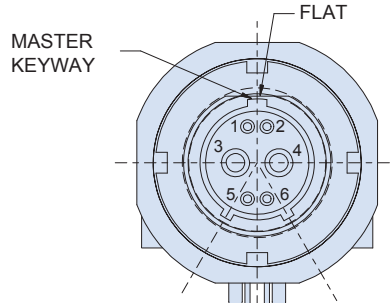
SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



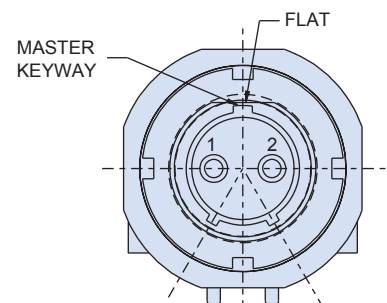
Right Angle PC Tail Jam-Nut Mount PCB Header Receptacle; PCB Footprints



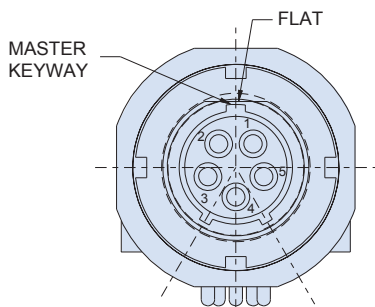
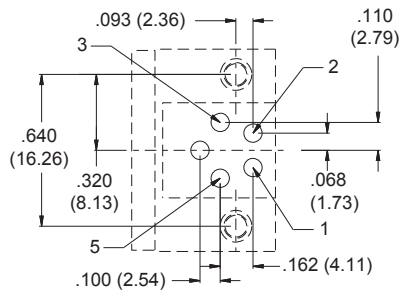
ARRANGEMENT NO. 11-19
(19 #23 CONTACTS)
SOCKET FACE SHOWN



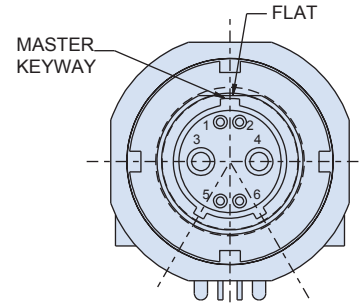
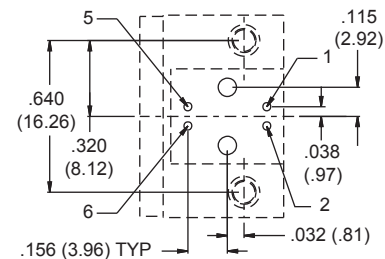
ARRANGEMENT NO. 11-200
(2 #16, 4 #23 CONTACTS)
PIN FACE OPPOSITE



ARRANGEMENT NO. 12-2
(2 #12 CONTACTS)
SOCKET FACE SHOWN

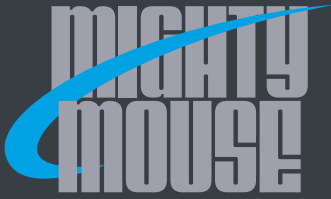


ARRANGEMENT NO. 12-5
(5 #16 CONTACTS)
SOCKET FACE SHOWN



ARRANGEMENT NO. 12-201
(2 #12, 4 #23 CONTACTS)
SOCKET FACE SHOWN
(PIN FACE OPPOSITE)

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Code Red Lightweight, Hermetic Jam-Nut Receptacle with PC Tails or Solder Cup Contacts

CODE RED™

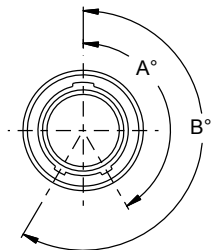


Series 805 Code Red Hermetic Receptacles feature solder cup contacts for direct wire attachment or PC tails for PC board termination. Signature encapsulant allows for use of standard gold plated, copper alloy pin and and socket contacts with better electrical performance over traditional hermetic nickel-iron contacts. Light weight, aluminum shells styles include square flange, solder mount, jam-nut, and weld mount. Connectors are 100% tested to meet 1×10^{-7} ccHe/sec at 1 atm helium leak rate. Contacts are non-removable, back potted, and parylene compatible. Consult factory for hybrid shielded contact / coax arrangements.

How To Order		805-140	ME	13-37	P	A
Sample Part Number						
Series	805-140-07 = Code Red Light Weight Hermetic Connector					
Material and Finish	ME = Aluminum Alloy / Nickel Plate					
Shell Size - Insert Arrangement	Shell Size: 8, 9, 10, 11, 12, 13, 15, 18, 19, 21, 23; See page J-6 for available insert arrangements*					
Contact Type Jam-Nut Side	P = Pin, PC Tail E = Pin, Solder Cup S = Socket, PC Tail F = Socket, Solder Cup					
Polarization (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F					

*Power and signal contacts only. For shielded contact applications, consult factory.

Table II: Key Positions

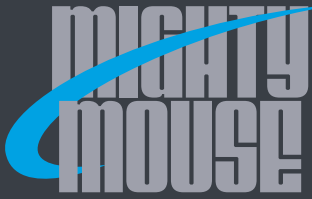


Position	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

NOTES

- This connector mates with all 805 plug connectors with same polarization and opposite contact gender 805-001, 805-002, and 805-061
- Connector shall not be used in liquid environment
- Temperature range: -65°C to +200°C
- Hermeticity is less than 1×10^{-7} ccHe/second at one atmosphere
- DWV: 750 VAC @ sea level
- IR: 5,000 megohms @ 500 VDC minimum, room temperature
- Sealing compound employed has been tested and meets all applicable performance requirements of MIL-DTL-38999/23. See Glenair test report GT-16-233
- See page J-11 for recommended panel cut-outs
- Material/Finish:
 - Shell, jam-nut: aluminum alloy / nickel plate
 - Insulator: high grade rigid electric
 - Elastomer: fluorosilicone
 - O-ring: butyl / N.A.
 - Contacts: copper alloy / gold plate
 - Seal compound: epoxy and silicone base encapsulants

SERIES 805 TRIPLE-START ACME THREAD

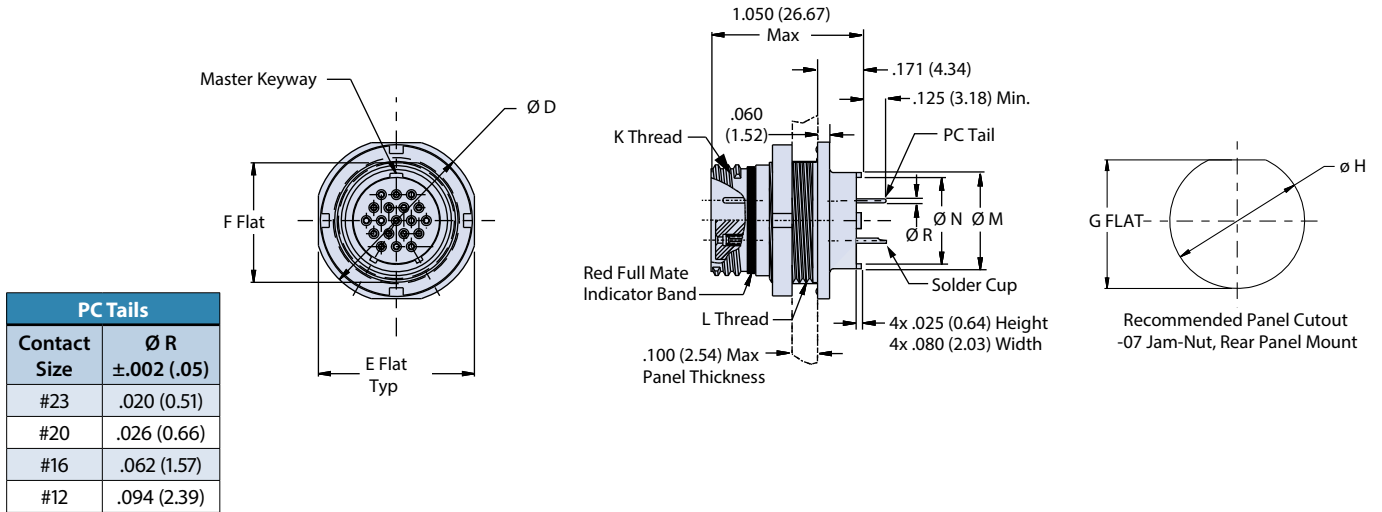


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



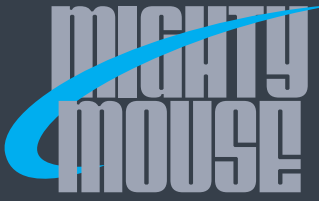
Code Red Lightweight, Hermetic Jam-Nut Receptacle with PC Tails or Solder Cup Contacts

JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions									
Shell Size	Ø D	E Flat	F Flat	K Thread	L Thread	Ø M	Ø N Min	Jam-Nut Cutout	
								G Flat	Ø H
8	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5000 -1P-.3L-TS	.5625 -28 UN-2A	.330 (8.38)	.230 (5.84)	.545 (13.84) .541 (13.74)	.572 (14.53) .567 (14.40)
9	.880 (22.35)	.850 (21.59)	.661 (16.79)	.5625 -1P-.3L-TS	.6875 -28 UN-2A	.432 (10.97)	.322 (8.18)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)
10	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6250 -1P-.3L-TS	.6875 -28 UN-2A	.493 (12.52)	.386 (9.80)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)
11	.955 (24.26)	.925 (23.50)	.721 (18.31)	.6875 -1P-.3L-TS	.7500 -28 UN-2A	.553 (14.05)	.442 (11.23)	.731 (18.57) .727 (18.47)	.760 (19.30) .755 (19.18)
12	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.7500 -1P-.3L-TS	.8125 -28 UN-2A	.620 (15.75)	.513 (13.03)	.794 (20.17) .790 (20.07)	.822 (20.88) .817 (20.75)
13	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8125 -1P-.3L-TS	.8750 -28 UN-2A	.661 (16.79)	.554 (14.07)	.853 (21.67) .849 (21.56)	.885 (22.48) .880 (22.35)
15	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	.9375 -1P-.3L-TS	1.0000 -28 UN-2A	.703 (17.86)	.594 (15.09)	.980 (24.89) .976 (24.79)	1.3010 (33.05) 1.005 (25.53)
18	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1250 -1P-.3L-TS	1.1875 -28 UN-2A	.863 (21.92)	.750 (19.05)	1.157 (29.39) 1.153 (29.29)	1.198 (30.43) 1.193 (30.30)
19	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.1875 -1P-.3L-TS	1.2500 -28 UN-2A	.912 (23.16)	.805 (20.45)	1.231 (31.27) 1.227 (31.17)	1.260 (32.00) 1.255 (31.88)
21	1.58 (40.13)	1.550 (39.37)	1.350 (34.29)	1.3125 -1P-.3L-TS	1.3750 -28 UN-2A	1.017 (25.83)	.910 (23.11)	1.360 (34.54) 1.356 (34.44)	1.385 (35.18) 1.380 (35.05)
23	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.4375 -1P-.3L-TS	1.5000 -28 UN-2A	1.162 (29.51)	1.050 (26.67)	1.480 (37.59) 1.476 (37.49)	1.510 (38.35) 1.505 (38.23)

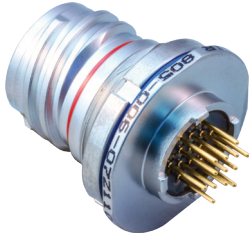
SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-Sealed Hermetic Receptacle with PC Tails or Solder Cup Contacts



Series 805 Hermetic Receptacles

Glass-to-metal seal hermetic connectors feature solder cup contacts for direct wire attachment or PC tails for PC board termination. Contacts are gold plated, nickel alloy pin contacts and copper alloy socket contacts. Shell styles include square flange, solder mount, jam-nut, and weld mount. Connectors are 100% tested to meet 1×10^{-7} ccHe/sec at 1 atm helium leak rate. Contacts are non-removable, back potted, and parylene compatible. Consult factory for additional arrangements.

How To Order	
Sample Part Number	805-006 -02 Z1 8-7 P A
Series	805-006 = Hermetic Receptacle with Solder Cups
Shell Style (See Table I)	-02 = Square Flange, Front or Rear Mount Receptacle -03 = Solder Mount Receptacle -07 = Jam-Nut, Rear Panel Mount Receptacle -13 = Weld Mount, Front Panel Mount Receptacle
Material and Finish	Z1 = Stainless Steel / Passivated ZL = Stainless Steel / Electrodeposited Nickel
Shell Size - Insert Arrangement	See page J-6*
Contact Type	P = Pin, Solder Cup S = Socket, Solder Cup C = Pin, P.C. Termination D = Socket, P.C. Termination
Shell Key Positions (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F

*Power and signal contacts only. For shielded contact applications, see P/N 805-130

Table I: Shell Style

-02 Square Flange	-07 Jam-Nut
-03 Solder Mount	-13 Weld Mount

Table II: Key Positions

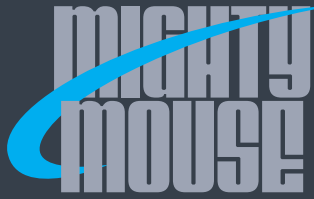
Position	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

NOTES

- This connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender 805-001, 805-002
- For additional insert arrangements consult factory
- Contacts are non removable and connector is back potted
- Hermeticity is less than 1×10^{-7} ccHe/second at one atmosphere
- See page J-11 for recommended panel cut-outs
- Material/Finish:
 - Shell, jam-nut: CRES / passivate or plate as required
 - Contacts, hermetic: alloy 52 / gold plate
 - Contacts, socket: copper alloy / gold plate
 - Seals: fluorosilicone / N.A.
 - Insulator, hermetic: fused glass / N.A.
 - Insulator, socket: rigid dielectric / N.A.

DWV Rating

Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac

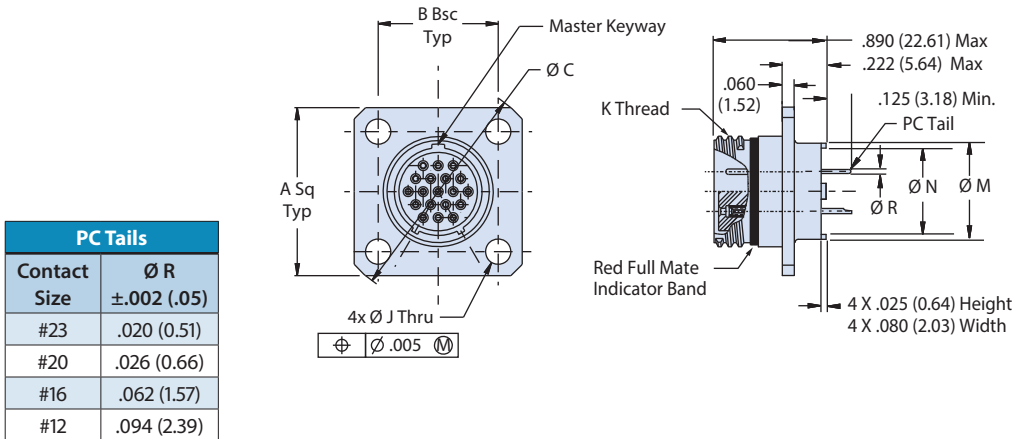


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

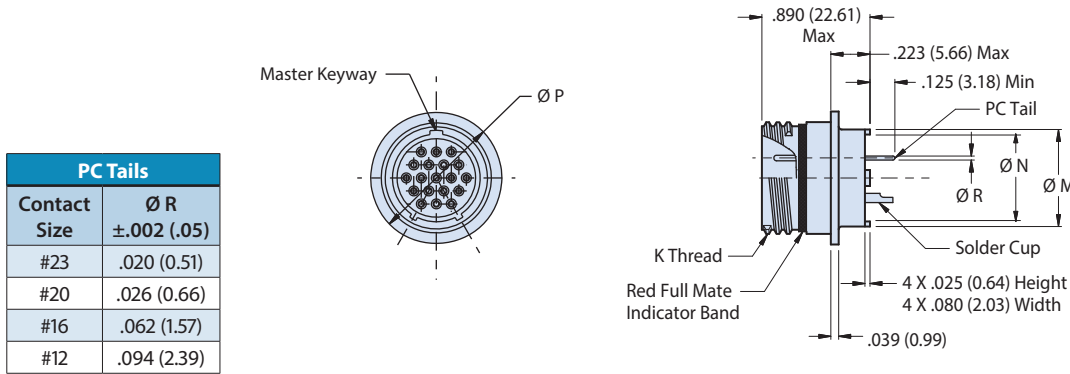


Glass-Sealed Hermetic Receptacle with PC Tails or Solder Cup Contacts

SQUARE FLANGE RECEPTACLE - SHELL STYLE 02

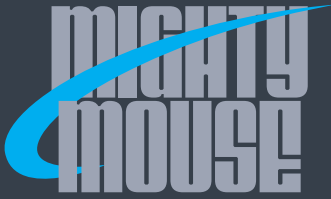


SOLDER MOUNT RECEPTACLE - SHELL STYLE 03



Dimensions													
Shell Size	A Sq	B Bsc	Ø C	J Holes	K Thread .1P-.3L-TS	Ø M	Ø N Min	Ø P	H BSC	Square Flange Cutout			
										J Holes	Ø P		
8	.850 (21.59)	.660 (16.76)	1.150 (29.21)	.096 (2.44) .091 (2.31)	.5000	.330 (8.38)	.230 (5.84)	.625 (15.88)	.660 (16.76)	.096 (2.43) .091 (2.31)	.515 (13.08)		
9	.913 (23.19)	.723 (18.36)	1.230 (31.24)		.5625	.432 (10.97)	.322 (8.18)	.688 (17.48)	.723 (18.36)		.578 (14.68)		
10	.975 (24.76)	.785 (19.94)	1.330 (33.78)		.6250	.493 (12.52)	.386 (9.80)	.750 (19.05)	.785 (19.94)		.640 (16.26)		
11	1.039 (26.39)	.848 (21.54)	1.410 (35.81)		.6875	.553 (14.05)	.442 (11.23)	.812 (20.62)	.848 (21.54)		.703 (17.86)		
12	1.099 (27.91)	.909 (23.09)	1.500 (38.10)		.7500	.620 (15.75)	.513 (13.03)	.875 (22.23)	.909 (23.09)		.765 (19.43)		
13	1.163 (29.54)	.973 (24.71)	1.590 (40.39)		.8125	.661 (16.79)	.554 (14.07)	.938 (23.83)	.973 (24.71)		.828 (21.03)		
15	1.288 (32.72)	1.058 (26.87)	1.750 (44.45)		.9375	.703 (17.86)	.594 (15.09)	1.062 (26.97)	1.058 (26.87)		.953 (24.21)		
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)		.130 (3.30)	1.1250	.863 (21.92)	.750 (19.05)	1.250 (31.75)		1.255 (31.88)	.130 (.13)	1.140 (28.96)
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)		.126 (3.20)	1.1875	.912 (23.16)	.805 (20.45)	1.312 (33.32)		1.327 (33.71)	.126 (3.20)	1.203 (3.56)
21	1.663 (42.24)	1.452 (36.88)	2.270 (57.66)			1.3125	1.017 (25.83)	.910 (23.11)	1.438 (36.53)		1.452 (36.88)		1.328 (33.73)
23	1.787 (45.39)	1.576 (40.03)	2.440 (61.98)		1.4375-	1.162 (29.51)	1.050 (26.67)	1.562 (39.67)	1.570 (39.88)		1.453 (36.91)		

SERIES 805 TRIPLE-START ACME THREAD

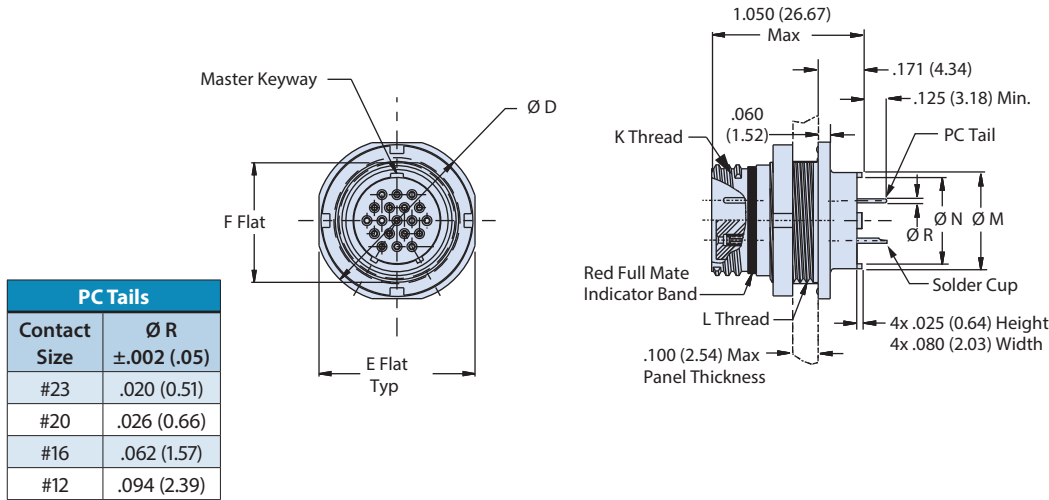


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

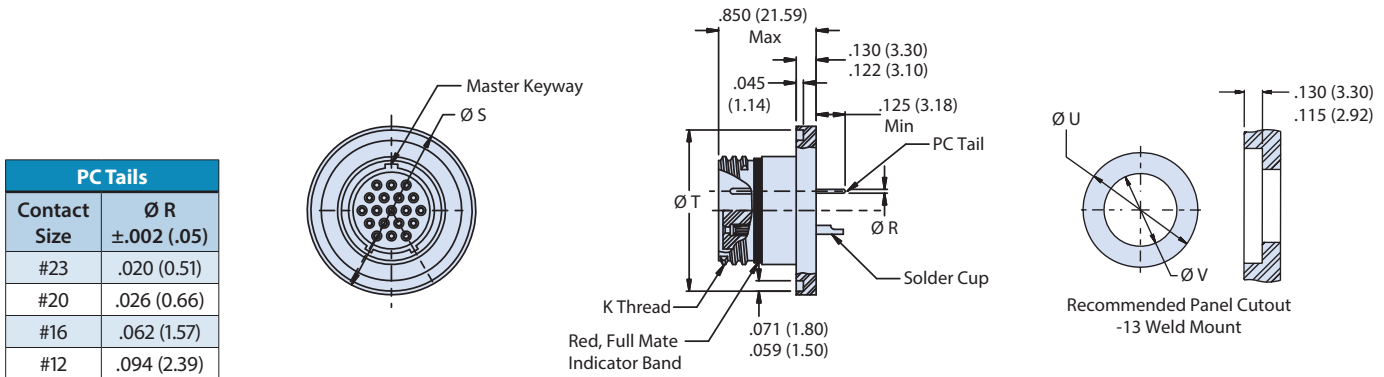


Glass-Sealed Hermetic Receptacle with PC Tails or Solder Cup Contacts

JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07

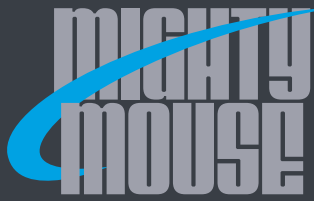


WELD MOUNT RECEPTACLE - SHELL STYLE 13



Dimensions												
Shell Size	Ø D	E Flat	F Flat	K Thread -1P-.3L- TS	L Thread -28 UN-2A	Ø M	Ø N Min	Ø S ±.002	Jam-Nut Cutout		Weld Mount Cutout	
									G Flat ±.002(.05)	Ø H +.005 (+.13) -.000 (-.00)	Ø U ±.003 (0.08)	Ø V Min
8	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5000	.5625	.330 (8.38)	.230 (5.84)	.788 (20.02)	.543 (13.79)	.567 (14.40)	0.794 (20.17)	.350 (8.89)
9	.880 (22.35)	.850 (21.59)	.661 (16.79)	.5625	.6875	.432 (10.97)	.322 (8.18)	.912 (23.16)	.669 (16.99)	.693 (17.60)	0.918 (23.32)	.455 (11.56)
10	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6250	.6875	.493 (12.52)	.386 (9.80)	.975 (24.76)	.669 (16.99)	.693 (17.60)	0.981 (24.92)	.520 (13.21)
11	.955 (24.26)	.925 (23.50)	.721 (18.31)	.6875	.7500	.553 (14.05)	.442 (11.23)	1.038 (26.37)	.729 (18.52)	.755 (19.18)	1.044 (26.52)	.575 (14.60)
12	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.7500	.8125	.620 (15.75)	.513 (13.03)	1.100 (27.94)	.792 (20.12)	.817 (20.75)	1.106 (28.09)	.650 (16.51)
13	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8125	.8750	.661 (16.79)	.554 (14.07)	1.162 (29.51)	.849 (21.56)	.881 (22.38)	1.168 (29.67)	.685 (17.40)
15	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	.9375	1.0000	.703 (17.86)	.594 (15.09)	1.288 (32.72)	.978 (24.84)	1.005 (25.53)	1.294 (32.87)	.730 (18.54)
18	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1250	1.1875	.863 (21.92)	.750 (19.05)	1.475 (37.47)	1.155 (29.34)	1.193 (30.30)	1.481 (37.62)	.890 (22.61)
19	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.1875	1.2500	.912 (23.16)	.805 (20.45)	1.540 (39.12)	1.229 (31.22)	1.255 (31.88)	1.546 (39.27)	.940 (23.88)
21	1.58 (40.13)	1.550 (39.37)	1.35 (34.29)	1.3125	1.3750	1.017 (25.83)	.910 (23.11)	1.665 (42.29)	1.356 (34.44)	1.383 (35.13) 1.381 (35.08)	1.671 (42.44)	1.040 (26.42)
23	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.4375	1.5000	1.162 (29.51)	1.050 (26.67)	1.795 (45.59)	1.478 (37.54)	1.505 (38.23)	1.801 (45.75)	1.190 (30.23)

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-Sealed Hermetic Receptacle with Solder Cups and Integral Shield Termination Platform



PCB Hermetic Receptacle Connectors feature integral banding porch for use with Band-Master® stainless steel band (sold separately) and power and signal solder cup contacts for direct to wire attachment. Available square flange–front or rear panel mount, solder mount, jam-nut, and weld mount shell styles. Connectors are 100% tested to meet 1×10^{-7} ccHe/sec at 1 atm helium leak rate. Contacts are non-removable, back potted, and parylene compatible. Consult factory for additional arrangements.

How To Order	
Sample Part Number	805-019 -02 Z1 8-7 P A
Series	805-019 = Hermetic Receptacle with Solder Cups and Integral Banding Porch
Shell Style (See Table I)	-02 = Square Flange, Front or Rear Mount Receptacle -03 = Solder Mount Receptacle -07 = Jam-Nut, Rear Panel Mount Receptacle
Material and Finish	Z1 = Stainless Steel / Passivated ZB = Stainless Steel / Olive Drab Chromate over Cadmium ZC = Stainless Steel / Zinc Cobalt Alloy/Black Chromate ZL = Stainless Steel / Electrodeposited Nickel ZN = Stainless Steel / Zinc Nickel/Olive Drab over Electroless Nickel ZU = Stainless Steel / Cadmium Black
Shell Size - Insert Arrangement	See page J-6. See section B for PCB footprints
Contact Type	P = Pin, Solder Cup S = Socket, Solder Cup
Shell Key Positions (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F

Table I: Shell Style		
-02 Square Flange	-07 Jam-Nut	-03 Solder Mount

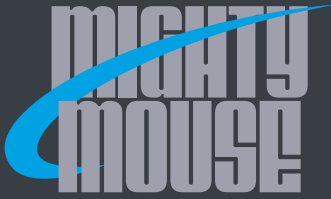
Table II: Key Positions		
Position	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

DWV Rating	
Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac

NOTES

1. This connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender 805-001, 805-002
2. For additional insert arrangements consult factory
3. Contacts are non removable and connector is back potted
4. Hermeticity is less than 1×10^{-7} ccHe/second at one atmosphere
5. See page J-11 for recommended panel cut-out

SERIES 805 TRIPLE-START ACME THREAD

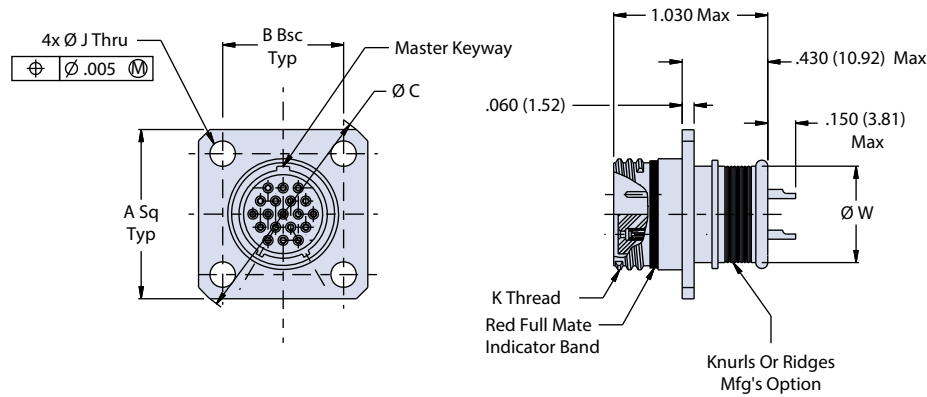


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

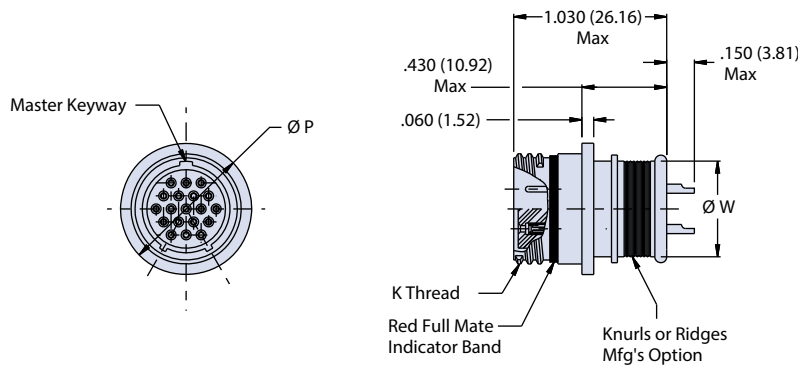


Glass-Sealed Hermetic Receptacle with Solder Cups and Integral Shield Termination Platform

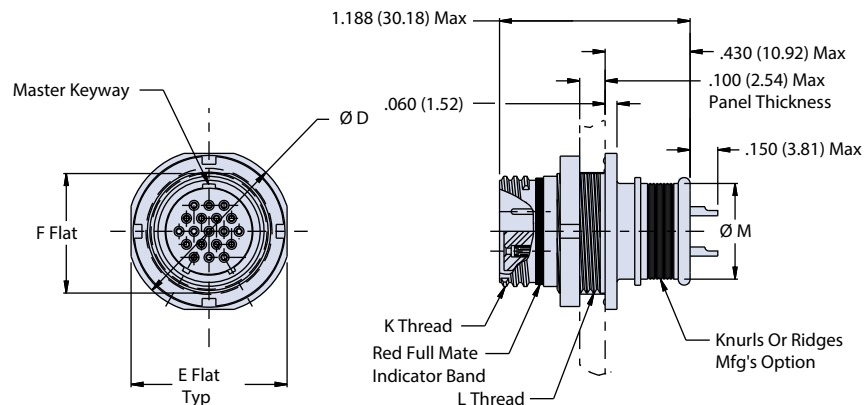
SQUARE FLANGE RECEPTACLE - SHELL STYLE 02



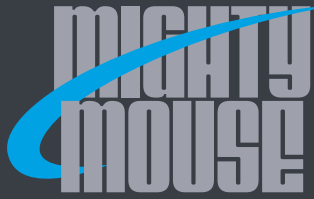
SOLDER MOUNT RECEPTACLE - SHELL STYLE 03



JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07



SERIES 805 TRIPLE-START ACME THREAD



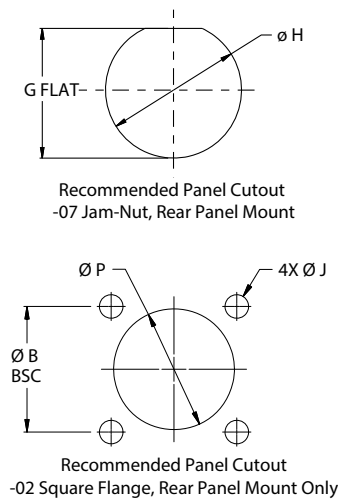
SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-Sealed Hermetic Receptacle with Solder Cups and Integral Shield Termination Platform

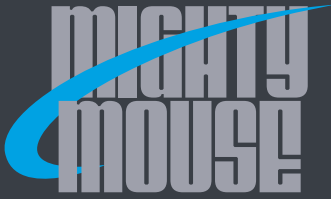
Table III: 805-019 Dimensions										
Shell Size	A Sq	B Bsc	Ø C	Ø D	E Flat	F Flat	J Holes	K Thread	Ø P	Ø W
8	.850 (21.59)	.660 (16.76)	1.150 (29.21)	.760 (19.30)	.730 (18.54)	.535 (13.59)	.096 (2.44) .091 (2.31)	.5000-.1P-.3L-TS	.625 (15.88)	.316 (8.03)
9	.913 (23.19)	.723 (18.36)	1.230 (31.24)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.5625-.1P-.3L-TS	.688 (17.48)	.397 (10.08)
10	.975 (24.76)	.785 (19.94)	1.330 (33.78)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.6250-.1P-.3L-TS	.750 (19.05)	.472 (11.99)
11	1.039 (26.39)	.848 (21.54)	1.410 (35.81)	.955 (24.26)	.925 (23.50)	.721 (18.31)		.6875-.1P-.3L-TS	.812 (20.62)	.519 (13.18)
12	1.099 (27.91)	.909 (23.09)	1.500 (38.10)	1.060 (26.92)	1.035 (26.29)	.784 (19.91)		.7500-.1P-.3L-TS	.875 (22.23)	.585 (14.86)
15	1.288 (32.72)	1.058 (26.87)	1.750 (44.45)	1.203 (30.56)	1.173 (29.79)	.970 (24.64)		.9375-.1P-.3L-TS	1.062 (26.97)	.687 (17.45)
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	.130 (3.30) .126 (3.20)	1.1250-.1P-.3L-TS	1.250 (31.75)	.884 (22.45)
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)		1.1875-.1P-.3L-TS	1.312 (33.32)	.884 (22.45)
21	1.663 (42.24)	1.452 (36.88)	2.270 (57.66)	1.58 (40.13)	1.550 (39.37)	1.35 (34.29)		1.3125-.1P-.3L-TS	1.438 (36.53)	1.003 (25.48)
23	1.787 (45.39)	1.576 (40.03)	2.440 (61.98)	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)		1.4375-.1P-.3L-TS	1.562 (39.67)	1.134 (28.80)

Panel Cut-Out Dimensions					
Shell Size	Jam-Nut, Rear Panel Mount		Square Flange, Rear Panel Mount		
	G Flat	Ø H	H BSC	J Holes	Ø P
8	.545 (13.84)	.572 (14.53)	.660 (16.76)	.096 (2.43) .091 (2.31)	.515 (13.08)
	.541 (13.74)	.567 (14.40)	.723 (18.36)		.578 (14.68)
9	.671 (17.04)	.698 (17.73)	.785 (19.94)		.640 (16.26)
	.667 (16.94)	.693 (17.60)	.848 (21.54)		.703 (17.86)
10	.731 (18.57)	.760 (19.30)	.909 (23.09)		.765 (19.43)
	.727 (18.47)	.755 (19.18)	.973 (24.71)		.828 (21.03)
11	.794 (20.17)	.822 (20.88)	1.058 (26.87)	.130 (.13) .126 (3.20)	.953 (24.21)
	.790 (20.07)	.817 (20.75)	1.255 (31.88)		1.140 (28.96)
12	.851 (21.62)	.885 (22.48)	1.327 (33.71)		1.203 (30.56)
	.847 (21.51)	.881 (22.38)	1.452 (36.88)		1.328 (33.73)
13	.980 (24.89)	1.010 (25.65)	1.570 (39.88)		1.453 (36.91)
	.976 (24.79)	1.005 (25.53)			
15	1.157 (29.39)	1.198 (30.43)			
	1.153 (29.29)	1.193 (30.30)			
18	1.231 (31.27)	1.260 (32.00)			
	1.227 (31.17)	1.255 (31.88)			
19	1.358 (34.49)	1.383 (35.13)			
	1.354 (34.39)	1.381 (35.08)			
21	1.480 (37.59)	1.510 (38.35)			
	1.476 (37.49)	1.505 (38.23)			
23					



- Material/Finish:
- Shell: SST / passivate or plate as required
 - Contacts, hermetic: alloy 52 / gold plate
 - Contacts, socket: copper alloy / gold plate
 - Seals: fluorosilicone / N.A.
 - Insulator, hermetic: fused vitreous glass / N.A.
 - Insulator, socket: rigid dielectric / N.A.

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-Sealed Hermetic Receptacle with PC Tail Coax Contacts



Series 805 Hermetic Receptacles feature gold plated nickel-iron alloy contacts and compression glass dielectric material. Connectors are 100% tested to meet 1×10^{-7} ccHe/sec at 1 atm helium leak rate. Stainless steel connector shells provide excellent corrosion protection. Viton® O-rings offer improved resistance to high temperature and harsh chemicals.

NOTES

- Material/Finish
 - Shell, jam nut: CRES, passivated or plated see part number development / N.A.
 - Contacts hermetic: nickel alloy/gold plated / N.A.
 - Contacts, socket: copper/gold plated
 - Insulator, hermetic: full glass / N.A.
 - Insulator, co-ax: rigid dielectric / N.A.
 - Seals, o-rings: fluorosilicone blend / N.A.
- Performance Test Criteria:
 - Hermeticity: 1×10^{-7} ccHe/sec at 1 ATM differential
 - I.R.: 5000 megohms min @500VDC
- Connector will mate with all quick-coupling plug connectors having the same shell size, contact arrangement, and opposite contact gender (co-ax socket.)
- Frequency range:
 - size 16: up to 700 MHz
 - size 12: up to 3 Ghz
- See PCB footprints referenced in section B, page 8
- See page J-11 for recommended panel cut-outs

How To Order	
Sample Part Number	805-130 -07 Z1 18-5 C A -50
Series	805-130 = Hermetic Receptacle
Shell Style (See Table I)	-02 = Square Flange Mount -03 = Solder Mount Receptacle -07 = Jam Nut Rear Panel Mount
Shell Material and Finish	Z1 = Stainless Steel / Passivated (RoHS) ZL = Stainless Steel / Nickel Plated
Shell Size - Insert Arrangement	See Contact Arrangements page J-6, contact size 16 and 12 only
Contact Type	C = Coax Pin Face D = Coax Socket Face
Keyway Position (See Table II)	A = Pos. A B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F
Nominal Impedance	50 = 50 OHM (#12 & 16) 75 = 75 OHM (#12 ONLY)

Table I: Shell Style

-07 Jam-Nut, Rear Panel Mount	-02 Square Flange	-03 Solder Mount

Table II: Keyway Positions

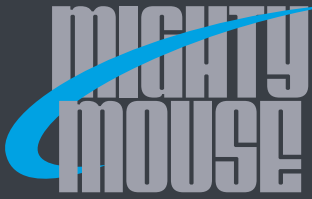
Key Position	Key Rotation	
	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

DWV Rating

Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac
16 CO-AX**	800 Vac
12 CO-AX**	1000 Vac

**Inner contact to outer contact

SERIES 805 TRIPLE-START ACME THREAD

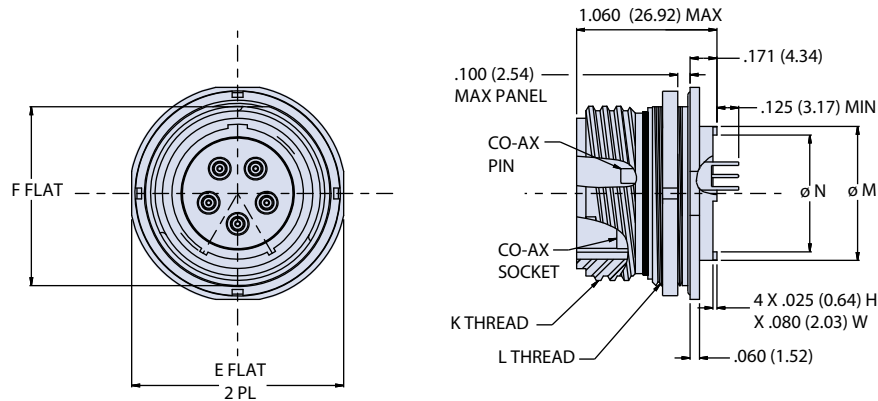


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

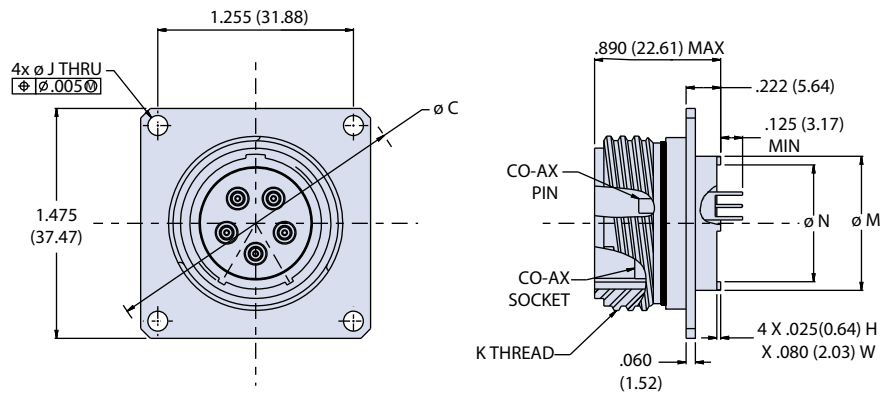
Glass-Sealed Hermetic Receptacle with PC Tail Coax Contacts



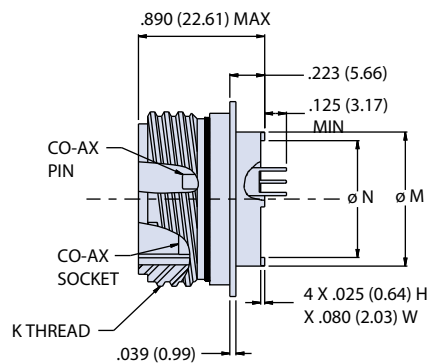
JAM NUT, REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 07



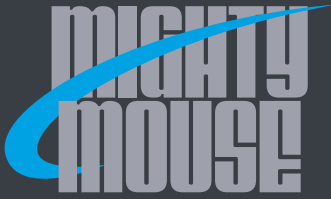
SQUARE FLANGE, FRONT OR REAR PANEL MOUNT, THRU-HOLE RECEPTACLE - SHELL STYLE 02



SOLDER MOUNT MOUNT RECEPTACLE - SHELL STYLE 03



SERIES 805 TRIPLE-START ACME THREAD



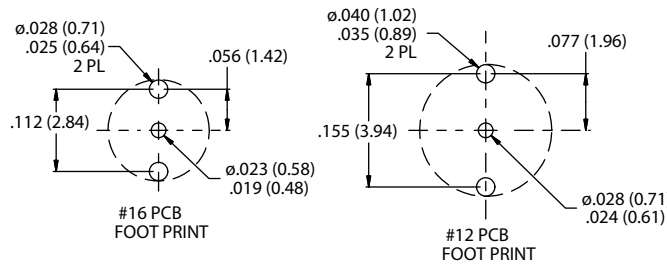
SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



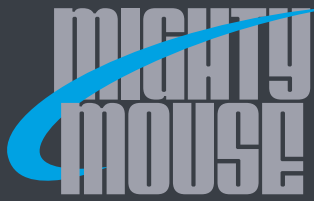
Glass-Sealed Hermetic Receptacle with PC Tail Coax Contacts

Dimensions												
Shell Size	A SQ	B BSC	Ø C	Ø D	E FLAT	F FLAT	J HOLES	K THREAD	L THREAD	Ø M	Ø N	Ø P
8	.850 (21.59)	.660 (16.76)	1.150 (29.21)	.760 (19.30)	.730 (18.54)	.535 (13.59)	.096 (2.44) .091 (2.31)	.5000-.1P-.3L-TS	.5625-28 UN-2A	.330 (8.38)	.230 (5.84)	.625 (15.88)
9	.913 (23.19)	.723 (18.36)	1.230 (31.24)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.5625-.1P-.3L-TS	.6875-28 UN-2A	.432 (10.97)	.322 (8.18)	.688 (17.48)
10	.975 (24.76)	.785 (19.94)	1.330 (33.78)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.6250-.1P-.3L-TS	.6875-28 UN-2A	.493 (12.52)	.386 (9.80)	.750 (19.05)
11	1.039 (26.39)	.848 (21.54)	1.410 (35.81)	.955 (24.26)	.925 (23.50)	.721 (18.31)		.6875-.1P-.3L-TS	.7500-28 UN-2A	.553 (14.05)	.442 (11.23)	.812 (20.62)
12	1.099 (27.91)	.909 (23.09)	1.500 (38.10)	1.060 (26.92)	1.035 (26.29)	.784 (19.91)		.7500-.1P-.3L-TS	.8125-28 UN-2A	.620 (15.75)	.513 (13.03)	.875 (22.23)
13	1.163 (29.54)	.973 (24.71)	1.590 (40.39)	1.120 (28.45)	1.090 (27.69)	.843 (21.41)		.8125-.1P-.3L-TS	.8750-28 UN-2A	.661 (16.79)	.554 (14.07)	.938 (23.83)
15	1.288 (32.72)	1.058 (26.87)	1.750 (44.45)	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	.130 (3.30) .126 (3.20)	.9375-.1P-.3L-TS	1.0000-28 UN-2A	.703 (17.86)	.594 (15.09)	1.062 (26.97)
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)		1.1250-.1P-.3L-TS	1.1875-28 UN-2A	.863 (21.92)	.750 (19.05)	1.250 (31.75)
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)		1.1875-.1P-.3L-TS	1.2500-28 UN-2A	.912 (23.16)	.805 (20.45)	1.312 (33.32)
21	1.663 (42.24)	1.452 (36.88)	2.270 (57.66)	1.580 (40.13)	1.550 (39.37)	1.350 (34.29)		1.3125-.1P-.3L-TS	1.3750-28 UN-2A	1.017 (25.83)	.910 (23.11)	1.438 (36.53)
23	1.787 (45.39)	1.576 (40.03)	2.440 (61.98)	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)		1.4375-.1P-.3L-TS	1.5000-28 UN-2A	1.162 (29.51)	1.050 (26.67)	1.562 (39.67)

PCB FOOTPRINTS



SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-to-Metal Seal Hermetic Receptacle; Size 12 or 16 PC Tail Coax Contacts/Threaded Standoffs



Series 805 Hermetic Receptacles feature gold plated nickel-iron alloy contacts and compression glass dielectric material. Threaded standoff for board washout and robust attachment to PC board. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Stainless steel connector shell provides excellent corrosion protection. Rear panel mount square flange and jam-nut configurations available. Co-ax contacts available for size 12 and 16 contact arrangements only.

NOTES

- Performance Test Criteria:
 - Hermeticity: less than 1×10^{-7} ccHe/sec @ 1 atmosphere delta pressure
 - D.W.V.: per DWV rating table
 - I.R.: 5000 megohms Min @500 Vdc
- Receptacle mates with Glenair 805 style plug connectors with same size, polarization, and opposite contact gender.
- Combo arrangements available with #16 and #12 (no size #8). All #16 and #12 will be coax
- See PCB footprints referenced in section B, page 8.
- See page J-11 for recommended panel cut-outs
- Material/Finish
 - Shell, jam-nut: CRES see part number development / N.A.
 - Contacts hermetic: nickel alloy/gold plate
 - Contacts, socket: copper alloy/gold plate
 - Hood, sockets: CRES/passivate
 - Insulator, hermetic: full glass / N.A.
 - Insulator, socket: high-grade dielectric / N.A.
 - Seals and o-rings: fluorosilicone blend / N.A.

How To Order							
Sample Part Number	805-132	-07	Z1	15-5	C	A	-50
Series	805-132 = Hermetic Receptacle						
Shell Style (See Table I)	-02 = Square Flange Mount -07 = Jam -Nut, Rear Panel Mount						
Shell Material and Finish	Z1 = Stainless Steel / Passivated ZL = Stainless Steel / Nickel Plated						
Shell Size - Insert Arrangement	See Contact Arrangements page J-6, Contact size 16 and 12 only						
Contact Type	C = P.C. Therm., Pin D = P.C. Therm., Socket						
Keyway Position (See Table II)	A = Pos. A B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F						
Nominal Impedance	50 = 50 OHM (#12 & 16) 75 = 75 OHM (#12 ONLY)						

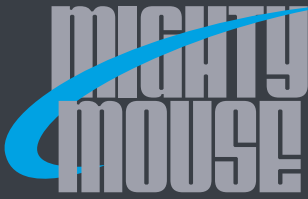
Table I: Shell Style	
-07 Jam-Nut, Rear Panel Mount	-02 Square Flange

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

PC Tail	
Contact Size	ØT ±.002 Tail Dia
23	.020 (0.51)
20	.030 (0.76)
16	.063 (1.60)
12	.094 (2.39)
8	.180 (4.57)

DWV Rating	
Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac
16 CO-AX**	800 Vac
12 CO-AX**	1000 Vac
**Inner contact to outer contact	

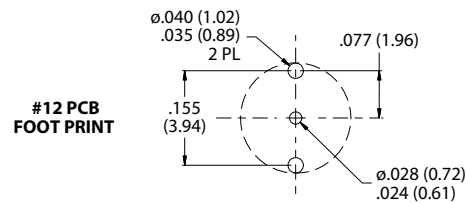
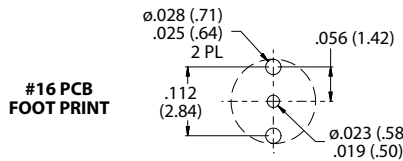
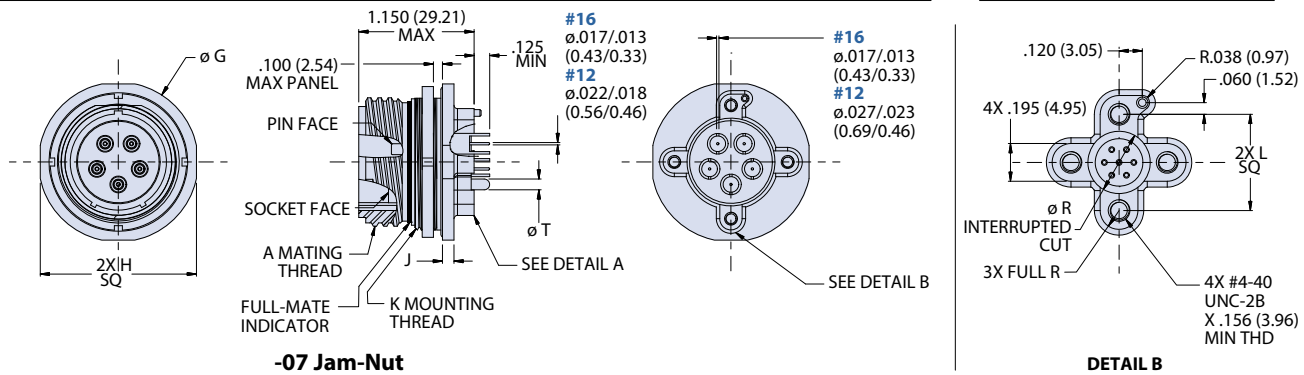
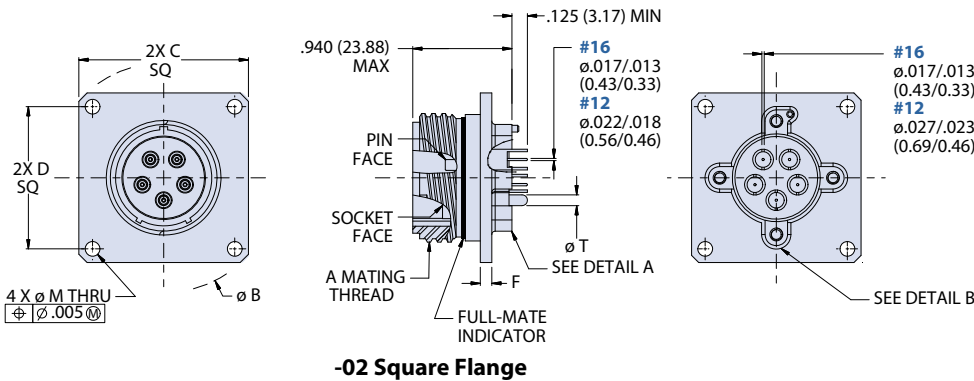
SERIES 805 TRIPLE-START ACME THREAD



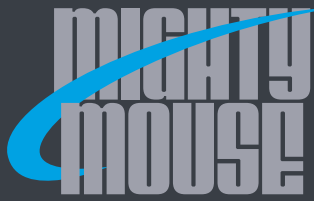
SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-to-Metal Seal Hermetic Receptacle; Size 12 or 16 PC Tail Coax Contacts/Threaded Standoffs



Dimensions												
Shell Size	"A" Thread Mating -.1P-.3L-TS-2A	"Ø B" Max Flange	"C" Sq Typ Flange Flats	"D" Sq Bsc Mounting Holes	"F" Max Flange	"Ø G" Flange	"H" Sq Flange Flats	"J" Max Flange	"K" Thread Mounting -28 UN-2A	"L" Board Mounting	"Ø M" Thru Mtg Holes	
8	.5000	1.150 (29.21)	.850 (21.59)	.660 (16.76)	.100 (2.54)	.760 (19.30)	.730 (18.54)	.100 (2.54)	.5625	.440 (11.18)	.096 (2.44) .091 (2.31)	
9	.5625	1.230 (31.24)	.913 (23.19)	.723 (18.36)		.880 (22.35)	.850 (21.59)		.6875	.515 (13.08)		
10	.6250	1.330 (33.78)	.975 (24.76)	.785 (19.94)		.925 (23.50)	.895 (22.73)		.6875	.580 (14.73)		
11	.6875	1.410 (35.81)	1.040 (26.42)	.848 (21.54)		.955 (24.26)	.925 (23.50)		.7500	.646 (16.41)		
12	.7500	1.500 (38.10)	1.099 (27.91)	.909 (23.09)		1.060 (26.92)	1.035 (26.29)		.8125	.734 (18.64)		
13	.8125	1.590 (40.39)	1.163 (29.54)	.973 (24.71)		1.120 (28.45)	1.090 (27.69)		.8750	.788 (20.02)		
15	.9375	1.750 (44.45)	1.288 (32.72)	1.058 (26.87)		1.203 (30.56)	1.173 (29.79)		1.0000	.830 (21.08)		
18	1.1250	2.000 (50.80)	1.475 (37.47)	1.255 (31.88)		1.389 (35.28)	1.359 (34.52)		1.1875	.896 (22.76)		
19	1.1875	2.094 (53.19)	1.537 (39.04)	1.327 (33.71)		1.450 (36.83)	1.420 (36.07)		1.2500	1.059 (26.90)		.130 (3.30) .126 (3.20)
21	1.3125	2.270 (57.66)	1.663 (42.24)	1.452 (36.88)		.125 (3.18)	1.580 (40.13)		1.550 (39.37)	1.3750		
23	1.4375	2.440 (61.98)	1.787 (45.39)	1.576 (40.03)	1.705 (43.31)	1.675 (42.55)	1.5000	1.284 (32.61)				



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



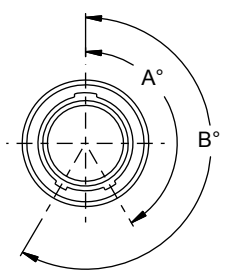
Environmental, Rear Panel Mount, Jam-Nut Bulkhead Feedthrough



Series 805 Bulkhead Feedthrough connector provides a separable connection on both sides of a mounting panel. Available in shell sizes 8 to 23. Mates with all high density triple-start threaded connectors with the same polarization and opposite contact genders (805-001 and 805-002). Copper alloy gold-plated contacts, pin to pin, pin to socket, and socket to socket. Aluminum alloy or stainless steel shells with seven standard finishes. Please contact the factory for additional materials and finishes available.

How To Order							
Sample Part Number	805-066	-07	M	8-7	P	P	N
Series	805-066 = Bulkhead Feedthrough Receptacle						
Shell Style	-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 ZN = Aluminum / Zinc-Nickel 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 J-6						
Contact Type ² (Jam-Nut Side)	P = Pin S = Socket						
Contact Type ² (Other Side)	P = Pin S = Socket						
Shell Key Position (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F						

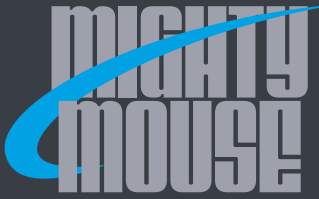
Key Position	Key Rotation	
	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



NOTES

1. This connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender 805-001, 805-002
2. Connector with PP and SS contact styles will cause the arrangement pattern to be mirrored about the vertical centerline.
3. Connectors supplied with standard power contacts. Consult factory for coax or other special contacts
4. See page J-11 for recommended panel cut-outs

Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Environmental Jam-Nut, Rear Panel Mount Bulkhead Feedthrough

JAM-NUT, REAR PANEL MOUNT - SHELL STYLE 07

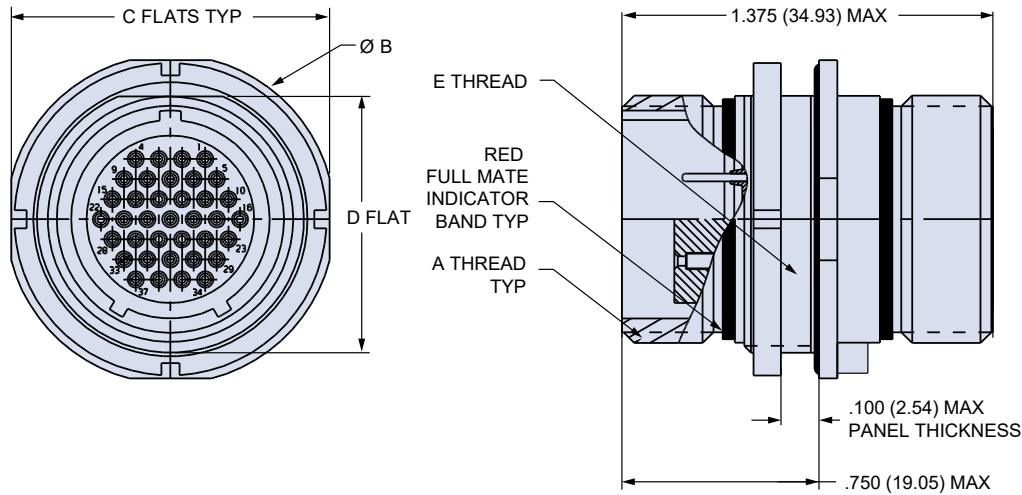


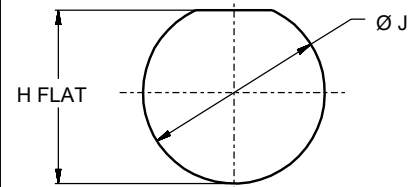
Table II: Dimensions

Shell Size	A Thread	Ø B	C Flat	D Flat	E Thread
8	.5000-1P-.31L-TS	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5625-28 UNEF-2A
9	.5625-1P-.31L-TS	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A
10	.6250-1P-.31L-TS	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A
11	.6875-1P-.31L-TS	.955 (24.26)	.925 (23.50)	.721 (18.31)	.7500-28 UN-2A
12	.7500-1P-.31L-TS	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.8125-28 UN-2A
13	.8125-1P-.31L-TS	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8750-28 UN-2A
15	.9375-1P-.31L-TS	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	1.0000-28 UN-2A
18	1.1250-1P-.31L-TS	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1875-28 UN-2A
19	1.1875-1P-.31L-TS	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.2500-28 UN-2A
21	1.3125-1P-.31L-TS	1.590 (40.39)	1.560 (39.62)	1.350 (34.29)	1.3750-28 UN-2A
23	1.4375-1P-.31L-TS	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.5000-28 UN-2A

Material and finish

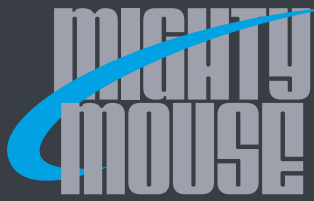
- Shell, jam-nut: aluminum alloy or CRES / see how to order table
- Insulators: liquid crystal polymer / N.A.
- Interfacial seal, O-ring, peripheral seal: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over a suitable underplate

Jam-Nut Panel Cutout



Shell Size	H Flat	Ø J
8	.545 (13.84)	.572 (14.53)
	.541 (13.74)	.567 (14.40)
9	.671 (17.04)	.698 (17.73)
	.667 (16.94)	.693 (17.60)
10	.671 (17.04)	.698 (17.73)
	.667 (16.94)	.693 (17.60)
11	.731 (18.57)	.760 (19.30)
	.727 (18.47)	.755 (19.18)
12	.794 (20.17)	.822 (20.88)
	.790 (20.07)	.817 (20.75)
13	.851 (21.62)	.885 (22.48)
	.847 (21.51)	.881 (22.38)
15	.980 (24.89)	1.010 (25.65)
	.976 (24.79)	1.005 (25.53)
18	1.157 (29.39)	1.198 (30.43)
	1.153 (29.29)	1.193 (30.30)
19	1.231 (31.27)	1.260 (32.00)
	1.227 (31.17)	1.255 (31.88)
21	1.358 (34.49)	1.383 (35.13)
	1.354 (34.39)	1.381 (35.08)
23	1.480 (37.59)	1.510 (38.35)
	1.476 (37.49)	1.505 (38.23)

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Code Red Light Weight Hermetic, Rear Panel Mount, Jam-Nut Bulkhead Feedthrough

CODE RED™

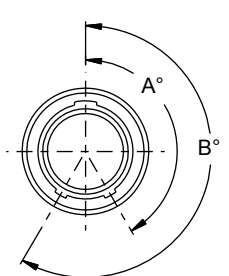


Series 805 Light Weight Hermetic Bulkhead Feedthrough

Aluminum alloy shells provide a lightweight separable connection on both sides of a mounting panel. Code Red encapsulant allows for conventional gold plated, copper alloy contacts for improved electrical performance over traditional glass-to-metal seal nickel iron contacts. Available in shell sizes 8 to 23. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Mates with all high density triple-start threaded plug connectors with the same polarization and opposite contact genders. Pin and socket configurations include pin to pin, pin to socket, and socket to socket. Please contact the factory for additional finish options.

How To Order							
Sample Part Number	805-128	-07	ME	8-7	P	P	A
Series	805-128 = Bulkhead Feedthrough Receptacle						
Shell Style	-07 = Jam-Nut, Rear Panel Mount						
Shell Material and Finish	ME = Aluminum / Nickel Plate						
Shell Size - Insert Arrangement	See Contact Arrangements Page J-6						
Contact Type ² (Jam-Nut Side)	P = Pin S = Socket						
Contact Type ² (Other Side)	P = Pin S = Socket						
Shell Key Position (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F						

Key Position	Key Rotation	
	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

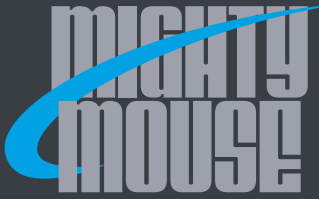


Material and finish

- Shell, jam-nut: aluminum alloy or CRES / see how to order table
- Insulators: liquid crystal polymer / N.A.
- Interfacial seal, O-ring, peripheral seal: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over a suitable underplate

NOTES

1. This connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender.
2. Sealing compound employed has been tested and meets all applicable performance requirements of MIL-DTL-38999/23.
3. Connector available with pin to pin, socket to socket, and socket to pin contact styles.
4. For pin to pin application, power applied to a given contact on one end will result in power to contact directly opposite, regardless of contact identification letter
5. Feedthrough meets applicable dimensions, mechanical, electrical, environmental and sealing requirements of MIL-DTL-38999/23
6. Operating temperature range: -65°C to +200°C
7. Leak rate: 1×10^{-7} cc/s max helium, 1 ATM
8. IR: 5,000 megohms min at room temperature
9. DWV: 750 VAC (size 23 contacts)
10. See page J-11 for recommended panel cut-outs



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Code Red Light Weight Hermetic, Rear Panel Mount, Jam-Nut Bulkhead Feedthrough

JAM-NUT, REAR PANEL MOUNT - SHELL STYLE 07

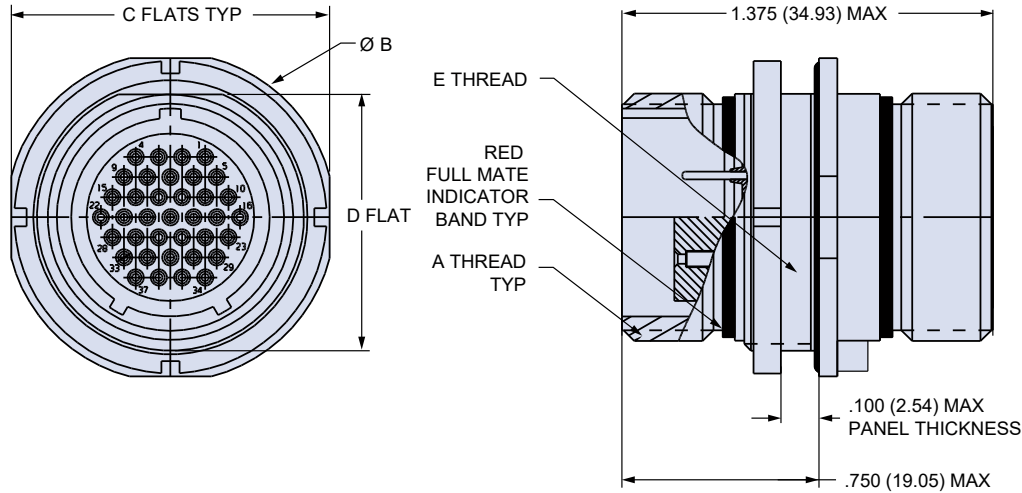


Table II: Dimensions

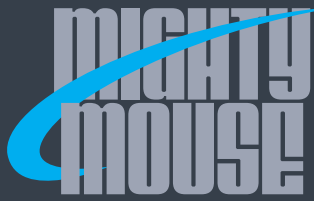
Shell Size	A Thread	Ø B	C Flat	D Flat	E Thread
8	.5000-1P-.31L-TS	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5625-28 UNEF-2A
9	.5625-1P-.31L-TS	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A
10	.6250-1P-.31L-TS	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A
11	.6875-1P-.31L-TS	.955 (24.26)	.925 (23.50)	.721 (18.31)	.7500-28 UN-2A
12	.7500-1P-.31L-TS	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.8125-28 UN-2A
13	.8125-1P-.31L-TS	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8750-28 UN-2A
15	.9375-1P-.31L-TS	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	1.0000-28 UN-2A
18	1.1250-1P-.31L-TS	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1875-28 UN-2A
19	1.1875-1P-.31L-TS	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.2500-28 UN-2A
21	1.3125-1P-.31L-TS	1.590 (40.39)	1.560 (39.62)	1.350 (34.29)	1.3750-28 UN-2A
23	1.4375-1P-.31L-TS	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.5000-28 UN-2A

Jam-Nut Panel Cutout

Diagram showing the panel cutout for the Jam-Nut connector. The cutout is circular with a diameter of Ø J and a height of H FLAT.

Shell Size	H Flat	Ø J
8	.545 (13.84)	.572 (14.53)
	.541 (13.74)	.567 (14.40)
9	.671 (17.04)	.698 (17.73)
	.667 (16.94)	.693 (17.60)
10	.671 (17.04)	.698 (17.73)
	.667 (16.94)	.693 (17.60)
11	.731 (18.57)	.760 (19.30)
	.727 (18.47)	.755 (19.18)
12	.794 (20.17)	.822 (20.88)
	.790 (20.07)	.817 (20.75)
13	.851 (21.62)	.885 (22.48)
	.847 (21.51)	.881 (22.38)
15	.980 (24.89)	1.010 (25.65)
	.976 (24.79)	1.005 (25.53)
18	1.157 (29.39)	1.198 (30.43)
	1.153 (29.29)	1.193 (30.30)
19	1.231 (31.27)	1.260 (32.00)
	1.227 (31.17)	1.255 (31.88)
21	1.358 (34.49)	1.383 (35.13)
	1.354 (34.39)	1.381 (35.08)
23	1.480 (37.59)	1.510 (38.35)
	1.476 (37.49)	1.505 (38.23)

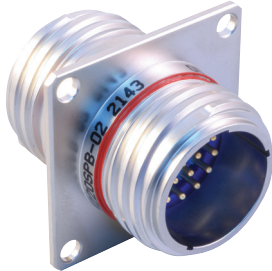
SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-to-Metal Seal Hermetic Bulkhead Feedthrough Connector



Series 805 Hermetic Feedthroughs represent the gold standard for hermetic connectors. Glass-to-metal seals provide a consistently reliable hermetic seal and provide a separable hermetic connection on both sides of a mounting panel. Available in shell sizes 8 to 23. Mates with all high density triple-start threaded connectors with the same polarization and opposite contact genders (805-001 and 805-002). Gold plated nickel-iron alloy contacts and compression glass dielectric material. Hermeticity less than 1×10^{-7} cc/second at 1 atmosphere. Stainless steel connector shell provides excellent corrosion resistance.

How To Order								
Sample Part Number	805-127	-07	Z1	15-37	P	S	A	-01
Series	805-127							
Shell Style (See Table I)	-02 = Box Mount -07 = Jam -Nut, Rear Panel Mount							
Shell Material and Finish	Z1 = Stainless Steel / Passivated ZL = Stainless Steel / Nickel Plated							
Shell Size - Insert Arrangement	See Contact Arrangements page J-6							
Contact Type Panel Side	P = Pin S = Socket							
Contact Type Behind Panel	P = Pin S = Socket							
Polarization	A = Pos. A B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F							
Panel Accommodation	01, 02, 03; See panel accommodation table							

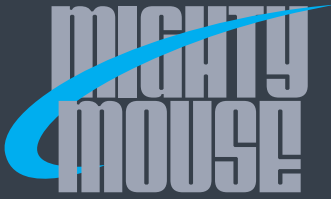
NOTES

- Performance Test Criteria:
 - Hermeticity: less than 1×10^{-7} cc He/sec @ 1 atm delta
 - D.W.V.: per DWV rating table pin to pin or pin to shell without breakdown
 - I.R.: 5000 megohms @ 500 Vdc min
- For pin-pin or socket-socket feed-thru, power applied to one contact will result in power to the contact directly opposite, regardless of contact identification
- Feed-thru mates with Glenair 805 style plug connectors with same size, polarization, and opposite contact gender.
- Overall lengths will increase by approximately .50" for #8 contact arrangements
- Standard arrangements with signal/power contacts only. Consult factory for special contacts (Coax, Quadax, Thermocouples, etc)
- See page J-11 for recommended panel cut-outs
- Material/Finish
 - Shell and jam-nut: CRES/see part number development
 - Contacts, pin: nickel-iron alloy/gold plate
 - Contacts, socket: copper alloy/gold plate
 - Hoods, socket: 300 CRES/passivate
 - Insulator, hermetic: full glass
 - Insulator, sockets: rigid dielectric
 - Seals and o-rings: fluorosilicone blend

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

Table II: Keyway Positions		
Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

DWV Rating	
Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
20, 16, 12, 8	1800 Vac

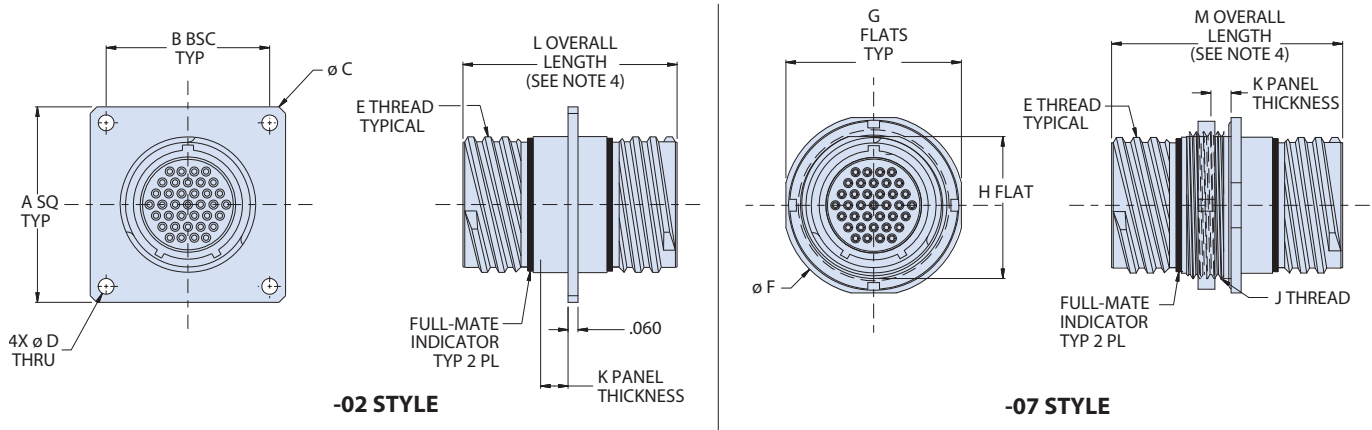


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-to-Metal Seal Hermetic Bulkhead Feedthrough Connector

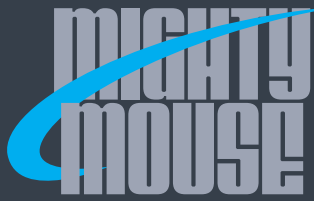
BOX MOUNT SHELL, STYLE 02 OR JAM-NUT REAR PANEL MOUNT, SHELL STYLE 07



Dimensions									
Shell Size	A Sq.	B Bsc	Ø C	Ø D Thru Holes	E Thread	Ø F	G Flat	H Flat	J Thread
8	.850 (21.59)	.660 (16.76)	1.150 (29.21)	.096 (2.44) .091 (2.31)	.5000-.1P-.3L-TS	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5625-28 UN-2A
9	.913 (23.19)	.723 (18.36)	1.230 (31.24)	.096 (2.44) .091 (2.31)	.5625-.1P-.3L-TS	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A
10	.975 (24.76)	.785 (19.94)	1.330 (33.78)	.096 (2.44) .091 (2.31)	.6250-.1P-.3L-TS	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A
11	1.039 (26.39)	.848 (21.54)	1.410 (35.81)	.096 (2.44) .091 (2.31)	.6875-.1P-.3L-TS	.955 (24.26)	.925 (23.50)	.721 (18.31)	.7500-28 UN-2A
12	1.099 (27.91)	.909 (23.09)	1.500 (38.10)	.096 (2.44) .091 (2.31)	.7500-.1P-.3L-TS	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.8125-28 UN-2A
13	1.163 (29.54)	.973 (24.71)	1.590 (40.39)	.096 (2.44) .091 (2.31)	.8125-.1P-.3L-TS	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8750-28 UN-2A
15	1.288 (32.72)	1.058 (26.87)	1.750 (44.45)	.130 (3.30) .126 (3.20)	.9375-.1P-.3L-TS	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	1.0000-28 UN-2A
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)	.130 (3.30) .126 (3.20)	1.1250-.1P-.3L-TS	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1875-28 UN-2A
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)	.130 (3.30) .126 (3.20)	1.1875-.1P-.3L-TS	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.2500-28 UN-2A
21	1.663 (42.24)	1.452 (36.88)	2.270 (57.66)	.130 (3.30) .126 (3.20)	1.3125-.1P-.3L-TS	1.580 (40.13)	1.550 (39.37)	1.350 (34.29)	1.3750-28 UN-2A
23	1.787 (45.39)	1.576 (40.03)	2.440 (61.98)	.130 (3.30) .126 (3.20)	1.4375-.1P-.3L-TS	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.5000-28 UN-2A

Panel Accomodation			
Sym	K Dim, Panel	L Dim, Oal	M Dim, Oal
-01	.125/.062	1.285 MAX	1.400 MAX
-02	.250/.062	1.410 MAX	1.525 MAX
-03	.500/.062	1.660 MAX	1.775 MAX

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Sav-Con® Connector Saver, Environmental



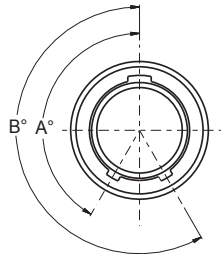
Glenair Sav-Con® Connector Savers are designed to protect connectors that are subject to repeated mating and unmating cycles. Sav-Con® Connector Savers prevent costly repair or replacement of expensive connectors while preserving the quality and integrity of the connector by absorbing connect and disconnect abuse.

Protect Equipment, equipment connectors that are mated frequently during manufacturing, test, check-out phases, and environmental test programs can be protected by Glenair Sav-Con® Connector Savers.

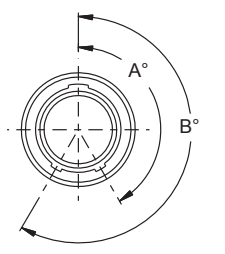
Prolong the Service Life of Test Cables Glenair Sav-Con® Connector Savers mated to test-cable connectors take the punishment of repetitive mating and unmating.

How To Order		805-010	Z1	8-7	P	A
Sample Part Number						
Series	805-010 = Series 805 Connector Saver					
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 J-6					
Contact Type * (Jam-Nut Side)	P = Pin on Plug Side, Socket Contact on Receptacle Side		PP = Pin on Both Sides			
	S = Socket Contact on Plug Side, Pin Contact on Receptacle Side		SS = Socket on Both Sides			
Shell Key Position Plug Side (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					
Shell Key Position Receptacle Side (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F; See note 10					

Key Position	Key Rotation	
	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

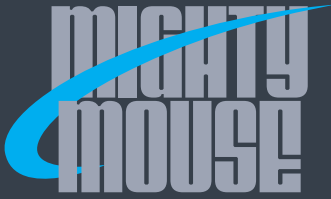


Key Position	Key Rotation	
	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



NOTES

- Current Rating: #23 5 A, #16 13 A, #12 23 A
- Dielectric Withstanding Voltage:
#23 750 VAC, #20HD 1000 VAC, #12 and #16 1800 VAC
- Insulation Resistance: 5000 megohms minimum
- Operating Temperature: -65° C. to +175° C.
- Shock: 300 g.
- Vibration: 37 g.
- Shielding Effectiveness: 65 dB minimum from 1GHz to 10GHz.
- Magnetic Permeability: 2.0 μ maximum
- Durability: 500 mating cycles
- Omit for same key position on both plug and receptacle side

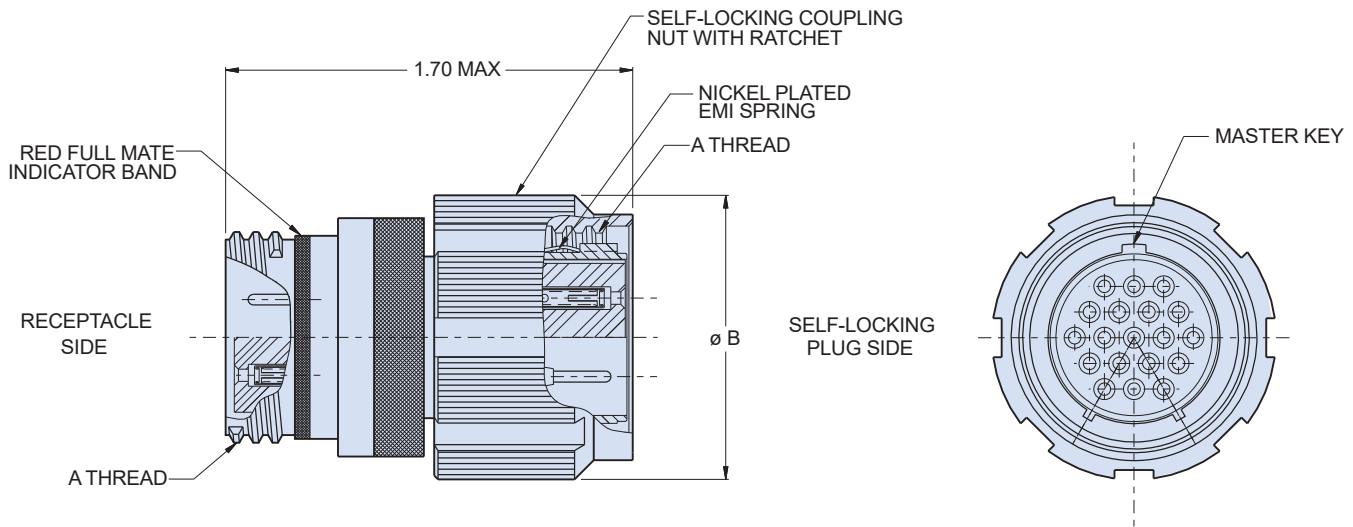


SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Sav-Con® Connector Saver, Environmental

SAV-CON® CONNECTOR SAVER

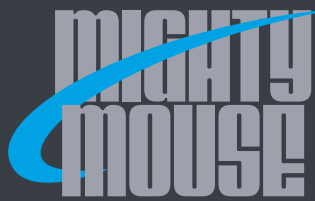


Dimensions		
Shell Size	A Threads	Ø B
8	.5000-1P-.3L-TS	.692 (17.58)
9	.5625-1P-.3L-TS	.789 (20.04)
10	.6250-1P-.3L-TS	.827 (21.01)
11	.6875-1P-.3L-TS	.918 (23.32)
12	.7500-1P-.3L-TS	.984 (24.99)
13	.8125-1P-.3L-TS	1.047 (26.59)
15	.9375-1P-.3L-TS	1.098 (27.89)
18	1.1250-1P-.3L-TS	1.287 (32.69)
19	1.1875-1P-.3L-TS	1.311 (33.30)
21	1.3125-1P-.3L-TS	1.448 (36.78)
23	1.4375-1P-.3L-TS	1.562 (39.67)

Materials and Finishes

- Shell: Aluminum alloy or stainless steel
- Contacts: Copper alloy, 50 µm gold plated
- Insulators: High-grade rigid dielectric
- Seal: Fluorosilicone rubber
- Ground Spring: Nickel-plated beryllium copper

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Shielded Cordsets, General Information

Series 805 Harsh Environment Shielded Cordsets



High performance Mighty Mouse cordsets feature easy ordering and fast delivery. These fully shielded and watertight assemblies withstand abrasion, temperature extremes, and chemicals. Flexible overmolding provides rugged, watertight protection to wire and shield. Two styles are available: **Style 1** polyamide overmold and polyurethane cable jacket, and **Style 2** improved temperature range, high flexibility thermoplastic rubber overmold, and cable jacket. Overmolded Mighty Mouse cordsets are suitable for military gear and other hostile environments where interconnect reliability and survivability is essential.

Product Features

- Single-ended or double-ended
- Rugged, watertight construction
- 100% electrically tested
- Flexible to -55°C. (Style 2)
- Stainless steel shield termination band
- Resistant to chemicals
- Withstands UV and ozone

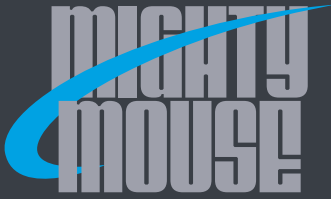
Harsh Environment Cordset Selection Guide		
Property	Style 1 Polyurethane Jacket Polyamide Overmold	Style 2 Rubber Jacket Rubber Overmold
Cable jacket	Thermoplastic polyurethane (TPU), black	Thermoplastic elastomer (TPV), black
Overmold	Polyamide, black	Thermoplastic elastomer (TPV), black
Operating temperature	-30° C. to +105° C.	-55° C. to +135° C.
Flexibility	Good	Excellent
Water Resistance	Waterproof	Waterproof
Solvent Resistance, Cable Jacket	Excellent	Good
Solvent Resistance, Overmold	Fair (1)	Good
Weatherability	Excellent	Excellent
Abrasion Resistance	Excellent	Good
Flammability	Flame retardant UL 94 V-0	Flame retardant UL 94 HB
Low Smoke, Zero Halogen Cable Jacket	Yes	No
(1) Excellent resistance to most solvents, fuels, and oils; poor resistance to strong acids and bipolar solvents (alcohol)		

High-Speed Cordsets

Controlled impedance twisted pair cordsets for Ethernet, USB and other protocols are available. Please refer to Section M

Specifications	
Cable jacket	Style 1: thermoplastic polyurethane, black, low-smoke, zero-halogen Style 2: thermoplastic elastomer, black
Overmold	Style 1: polyamide Style 2: thermoplastic elastomer, black
Cable shield	Tin-coated copper braid, 90% minimum coverage
Conductors	Silver coated stranded wire, TFE insulated, per M22759/11
Shield Termination	Band-Master™ ATS stainless steel shield termination band
Current rating	#23 5 amps, #20 7.5 amps, #16 13 amps, #12 23 amps
Test voltage (DWV)	500 Vac
Insulation resistance	200 Megohms minimum
Shielding effectiveness	50 dB minimum from 100MHz to 1000MHz.

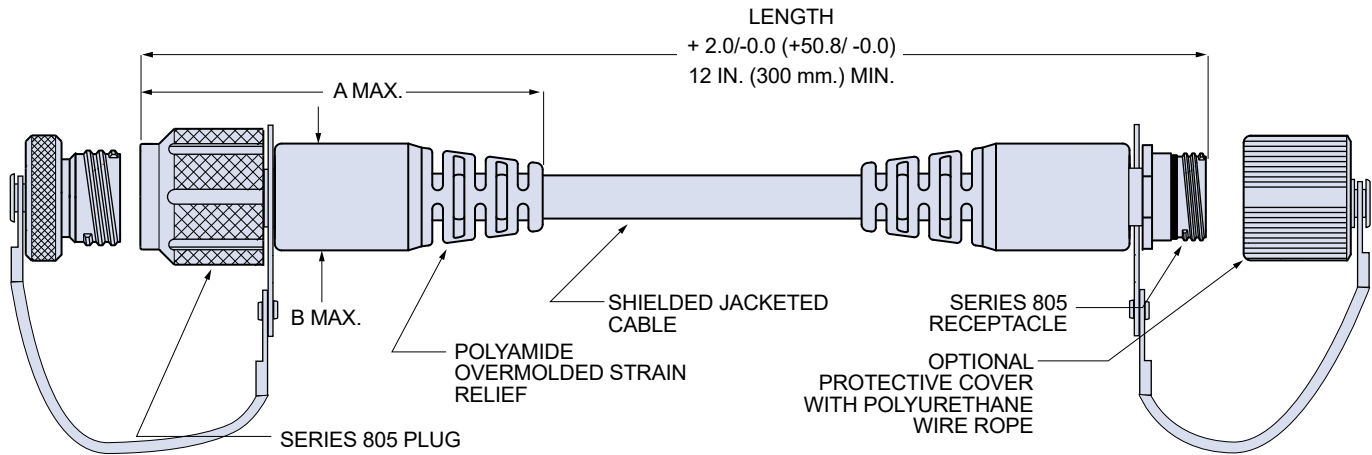
SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



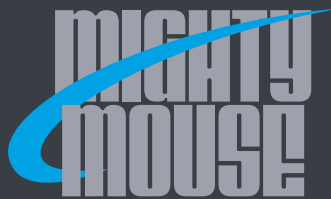
Shielded Overmolded Harsh Environment Cordsets



Dimensions				
Shell Size	A Max.		B Max.	
	In.	mm.	In.	mm.
8	2.62	66.55	0.5	12.70
9	2.70	68.58	0.55	13.97
10	2.80	71.12	0.65	16.51
11	2.80	71.12	0.65	16.51
12	2.90	73.66	0.71	18.03
15	3.10	78.74	0.82	20.83
18	3.42	86.87	1.1	27.94
19	3.42	86.87	1.1	27.94

NOTES

1. Double-ended cordsets are wired pin #1 to pin #1, #2 to #2, and so on.
2. Wires are silver-coated stranded copper with TFE insulation, 600V, in accordance with M22759/11.
3. Wire color is IAW MIL-STD-681 for cables containing 10 wires or less. For cable containing more than 10 wires, wire color is white.



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

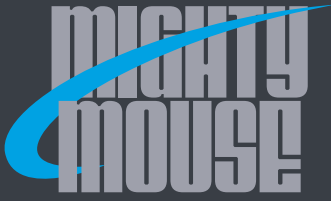


Shielded Overmolded Harsh Environment Cordsets

Series 805 Cordsets with #23 Contacts								
Sample Part Number								
805-009	-A	C	2	M	8-28	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material/ Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
805-009 Style 1 Polyurethane Cable Jacket, Polyamide Overmold	-A Plug, with Male Pin Contacts -B Plug, with Female Socket Contacts	A Plug, with Male Pin Contacts B Plug, with Female Socket Contacts	2 #22 AWG 4 #24 AWG	M Aluminum / Electroless Nickel NF Aluminum / Cadmium with OD Chromate ZNU Aluminum / Zinc- Nickel with Black Chromate MT Aluminum / Nickel-PTFE Z1 Stainless Steel / Passivated	See Insert Arr. page J-6	P Metal Protective Covers Included N No Covers Supplied	A Normal B Pos. B C Pos. C D Pos. D E Pos. E F Pos. F See key positions on page J-11	Overall Length In Inches 12 Inch Min.
805-062 Style 2 Rubber Cable Jacket and Overmold	-C Receptacle, with Male Pin Contacts -D Receptacle, with Female Socket Contacts	C Receptacle, with Male Pin Contacts D Receptacle, with Female Socket Contacts N No Connector (Single-Ended)						

Series 805 Cordsets with #20HD Contacts								
Sample Part Number								
805-063	-A	C	0	M	8-28	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
805-018 Style 1 Polyurethane Cable Jacket, Polyamide Overmold	-A Plug, with Male Pin Contacts -B Plug, with Female Socket Contacts	A Plug, with Male Pin Contacts B Plug, with Female Socket Contacts	0 #20 AWG 2 #22 AWG	M Aluminum / Electroless Nickel NF Aluminum / Cadmium with OD Chromate ZNU Aluminum / Zinc- Nickel with Black Chromate MT Aluminum / Nickel-PTFE Z1 Stainless Steel / Passivated	See Insert Arr. page J-6	P Metal Protective Covers Included N No Covers Supplied	A Normal B Pos. B C Pos. C D Pos. D E Pos. E F Pos. F See key positions on page J-11	Overall Length In Inches 12 Inch Min.
805-063 Style 2 Rubber Cable Jacket and Overmold,	-C Receptacle, with Male Pin Contacts -D Receptacle, with Female Socket Contacts	C Receptacle, with Male Pin Contacts D Receptacle, with Female Socket Contacts N No Connector (Single-Ended)						

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables

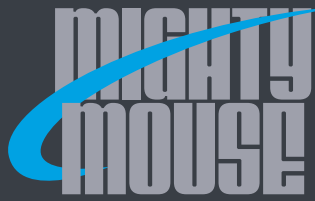


Shielded Overmolded Harsh Environment Cordsets

Series 805 Cordsets with #16 Contacts								
Sample Part Number								
805-015	-A	C	6	M	8-28	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
805-015 Style 1 Polyurethane Cable Jacket, Polyamide Overmold	-A Plug, with Male Pin Contacts -B Plug, with Female Socket Contacts	A Plug, with Male Pin Contacts B Plug, with Female Socket Contacts	6 #16 AWG 8 #18 AWG	M Aluminum / Electroless Nickel NF Aluminum / Cadmium with OD Chromate ZNU Aluminum / Zinc- Nickel with Black Chromate MT Aluminum / Nickel-PTFE Z1 Stainless Steel / Passivated	Available in Shell Sizes 8 Thru 19 See Cont. Arr. Page J-6	P Metal Protective Covers Included N No Covers Supplied	A Normal B Pos. B C Pos. C D Pos. D E Pos. E F Pos. F See key positions on page J-11	Overall Length In Inches 12 Inch Min.
805-064 Style 2 Rubber Cable Jacket and Overmold	-C Receptacle, with Male Pin Contacts -D Receptacle, with Female Socket Contacts	C Receptacle, with Male Pin Contacts D Receptacle, with Female Socket Contacts N No Connector (Single-Ended)						

Series 805 Cordsets with #12 Contacts								
Sample Part Number								
805-065	-A	C	2	M	8-28	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
805-016 Style 1 Polyurethane Cable Jacket, Polyamide Overmold	-A Plug, with Male Pin Contacts -B Plug, with Female Socket Contacts	A Plug, with Male Pin Contacts B Plug, with Female Socket Contacts	2 #12 AWG 4 #14 AWG	M Aluminum / Electroless Nickel NF Aluminum / Cadmium with OD Chromate ZNU Aluminum / Zinc- Nickel with Black Chromate MT Aluminum / Nickel-PTFE Z1 Stainless Steel / Passivated	Available in Shell Sizes 8 Thru 19 See Cont. Arr. Page J-6	P Metal Protective Covers Included N No Covers Supplied	A Normal B Pos. B C Pos. C D Pos. D E Pos. E F Pos. F See key positions on page J-11	Overall Length In Inches 12 Inch Min.
805-065 Style 2 Rubber Cable Jacket and Overmold,	-C Receptacle, with Male Pin Contacts -D Receptacle, with Female Socket Contacts	C Receptacle, with Male Pin Contacts D Receptacle, with Female Socket Contacts N No Connector (Single-Ended)						

SERIES 805 TRIPLE-START ACME THREAD



SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Flexible, Lightweight Shielded Phantom Cable Cordsets

Series 805 Ultraflexible “Phantom Cable” Cordsets



Phantom Cable cordsets feature high-flex rubber-insulated wires, lightweight shield, and overbraided jackets for maximum flexibility, reduced size and minimum weight. Flexible rubber overmold provides strain relief and environmental sealing. EMI shield options include high-strength, ultralightweight AmberStrand® nickel-coated composite braid, ArmorLite™ or lightweight, high flexibility tinned copper braid. Braid outer jackets are available with NOMEX®, HALAR®, or PTFE-coated fiberglass.

Product Features

- Overbraided cable jacket for excellent flexibility
- Ultra-lightweight AmberStrand® EMI shield
- 100% electrically tested
- Flexible to -55°C.
- Stainless steel shield termination band

Application Note

Overbraided textile jackets are ideal for applications where flexibility and weight are important. However, water can penetrate through the jacket and cable shield. Dust and contamination can also become entrapped in the braid. Braided jackets are prone to fraying damage caused by snagging on velcro closures and MOLLE vests. Extruded cable jackets are recommended if debris entrapment, moisture ingress, or fraying damage are concerns.

Braid Shield Selection Guide			
Property	AmberStrand®	ArmorLite®	Copper
Type	nickel-coated high-strength super fiber	Micro-filament nickel-coated stainless steel	Tin-coated copper
Weight/ft. (0.5 in. ID)	3.7 grams	4.4 grams	22.3 grams
Operating Temp(1)	-65° C to +200° C	-80° C to +260° C	-80° C to +150° C
Coverage	90% min.	90% min.	90% min.
Flexibility	Excellent	Excellent	Good
Cost Comparison	\$\$\$	\$\$	\$

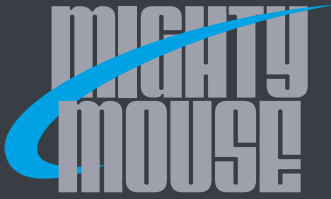
(1) Rubber wires and rubber overmold are rated for -55° C to +135° C.

Jacket Selection Guide			
Property	NOMEX®	HALAR®	PTFE Coated Fiberglass
Color	Black or olive drab	Black	Tan
Operating Temp(1)	-55° C to +260° C	-73° C to +150° C	-75° C to +300° C
Chemical Resistance	Excellent	Excellent	Excellent
Flammability	Self-extinguishing, will not melt	Fire retardant UL VW-1	Self-extinguishing
Toxicity	Non-toxic	Non-toxic	Non-toxic
Flexibility	Excellent	Excellent	Excellent
Abrasion resistance	Excellent	Excellent	Excellent

(1) Rubber wires and rubber overmold are rated for -55° C to +135° C.

Specifications	
Cable jacket	NOMEX®, HALAR® or PTFE-coated fiberglass
Temperature Range	-55° C to +135° C
Overmold	Thermoplastic elastomer, black
Cable shield	AmberStrand®, ArmorLite® or tinned copper, 90% minimum coverage
Conductors	Silver coated stranded wire, rubber insulation
Shield Termination	Band-Master™ ATS stainless steel shield termination band
Current rating	5 amps
Test voltage (DWV)	500 Vac
Insulation resistance	200 Megohms minimum
Shielding effectiveness	50 dB minimum from 100MHz to 1000MHz.

SERIES 805 TRIPLE-START ACME THREAD



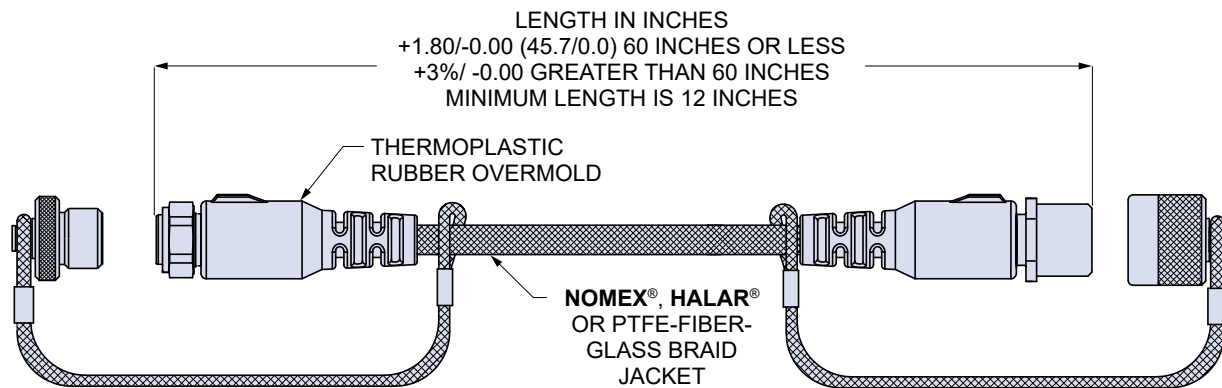
SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Flexible, Lightweight Shielded Phantom Cable Cordsets

Series 805 "Phantom Cable" Cordsets size #12 thru #23 Contacts

Sample Part Number										
805-057	-B	N	2	Z1	5-3	N	A	-60	C	N
Series	End A Connector	End B Connector	Wire Size	Shell Material/ Finish	Insert Arr.	Protective Cover	Shell Key Position	Length	Shield Option	Jacket Option
Size #23 Contacts 805-057 Phantom Cable Cordset	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	Size #23 Contacts 4 #24 AWG 6 #26 AWG 8 #28 AWG	M Aluminum / Electroless Nickel NF Aluminum / Cadmium with OD Chromate ZNU Aluminum / Zinc-Nickel with Black Chromate MT Aluminum / Nickel-PTFE Z1 Stainless Steel / Passivated	Available in Shell Sizes 8 Thru 19 See Cont. Arr. Page J-6	P Metal Protective Covers Included N No Covers Supplied	A Normal B Pos. B C Pos. C D Pos. D E Pos. E F Pos. F	Overall Length In Inches 12 Inch Min.	A AmberStrand B ArmorLite C Tin-Coated Copper	D Nomex, Olive Drab N Nomex, Black H Halar (Monofil) P Peek (Monofil)
Size #20 HD Contacts 805-058 Phantom Cable Cordset	-C Rec. with Male Pin Contacts	C Rec. with Male Pin Contacts	Size #20 HD Contacts 0 #20 AWG 2 #22 AWG							
Size #16 Contacts 805-059 Phantom Cable Cordset	-D Rec. with Female Socket Contacts	D Rec. with Female Socket Contacts N No Connector (Single-Ended)	Size #16 Contacts 6 #16 AWG 8 #18 AWG				See key positions on page J-11			
Size #12 Contacts 805-060 Phantom Cable Cordset			Size #12 Contacts 2 #12 AWG 4 #14 AWG							



NOTES

1. Double-ended cordsets are wired pin #1 to pin #1, #2 to #2, and so on.
2. Wires are silver-coated stranded copper with TPE insulation, 600V, UL VW-1 rated.
3. Wire color is IAW MIL-STD-681 for cables containing 10 wires or less. For cable containing more than 10 wires, wire color is white.