

2M805
Tri-Start

2M804
Push-Pull

2M803
Bayonet

2M801
Dual-Start



The New Aerospace Standard

The New Circular Connector Standard. Smaller, lighter, higher contact density, and just as durable as D38999 Mil-spec connectors.

FEATURES:

- 4 Coupling Styles
- Integral Backshells
- PC Tail Termination Available
- 60% Weight Reduction from 38999
- 50% Size Reduction from 38999

38999 III

38999 II

38999 I

SJT

Aquacon

2M

83723

26482

26500

2M Series Selection Table

2M801, 2M803, 2M804 and 2M805



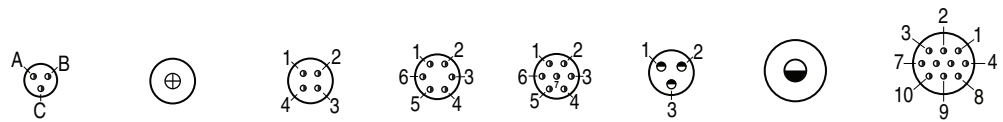
SERIES	2M805	2M804	2M803	2M801
Pages	Pages 56-60	Pages 61-64	Pages 65-67	Page 68-72
TYPE	Tri-Start ACME Thread	Push-Pull	Bayonet	Dual-Start ACME Thread
DESCRIPTION	"Anti-Decoupling" ratchet mechanism and ground spring for military airframes and avionics boxes. Fast mating.	Breakaway connector for headsets and tactical equipment. Gold-plated spring for long mating life and superior EMI shielding.	Quick-mating, light duty, general purpose. Not rated for immersion, 50 milliohms shell-to-shell resistance.	More rugged keys and threads. Faster mating.
CONTACTS	1 to 130	1 to 85	1 to 55	1 to 130
COUPLING	Tri-Start Thread	Push, Pull Quick-Disconnect	1/4 turn lock Bayonet	Threaded Coupling with 1 1/2 Turns to Full Mate
WATER IMMERSION, MATED	MIL-STD-810 Method 512 1 Meter for 1 Hour	MIL-STD-810 Method 512 1 Meter for 1 Hour	Splash proof	MIL-STD-810 Method 512 1 Meter for 1 Hour
EMI SHIELDING	Excellent	Excellent	Fair	Very Good
VIBRATION AND SHOCK	43.9 g's Random Vibration, Sine Vibration 60 g; 300 g's Shock	37 g's Random Vibration; 300 g's Shock	37 g's Random Vibration; 300 g's Shock	43.9 g's Random Vibration, Sine Vibration 60 g; 300 g's Shock
MATING CYCLES	500 Cycles	2000 Cycles	1000 Cycles Aluminum 2000 Cycles Stainless Steel	2000 Cycles (-16 Plugs) 500 Cycles (-26 Plugs)
ELECTRICAL PERFORMANCE	#12: 23 AMP, 1800 VAC #16: 13 AMP, 1800 VAC #20: 7.5 AMP, 750 VAC #23: 5 AMP, 500 VAC	#12: 23 AMP, 1800 VAC #16: 13 AMP, 1800 VAC #20: 7.5 AMP, 750 VAC #23: 5 AMP, 500 VAC	#12: 23 AMP, 1800 VAC #16: 13 AMP, 1800 VAC #20: 7.5 AMP, 750 VAC #23: 5 AMP, 500 VAC	#12: 23 AMP, 1800 VAC #16: 13 AMP, 1800 VAC #20: 7.5 AMP, 750 VAC #23: 5 AMP, 500 VAC

2M Series Technical Information

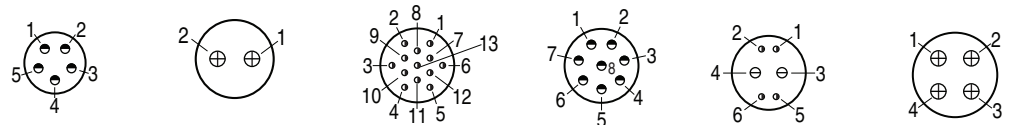
Insert Arrangements

Front face of pin inserts illustrated (Socket Reversed)

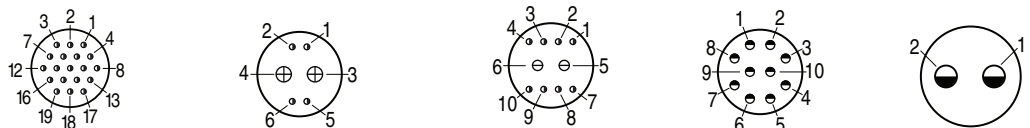
CONTACT LEGEND  12  16  20  20HD  20  23



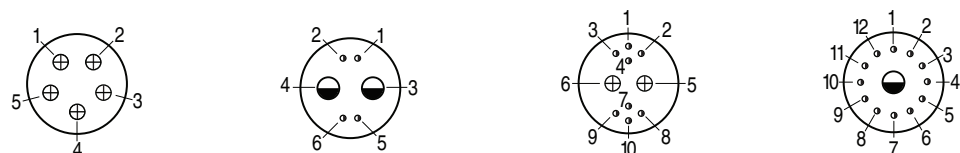
2M801 2M803 2M804	5-3	6-1*	6-4	6-6	6-7	6-23	7-1*	7-10
2M805	NA	8-1*	8-4	8-6	8-7	8-23	9-1*	9-10
No. of Contacts	3	1	4	6	7	3	1	10
Contact Size	#23	#16	#23	#23	#23	#20HD	#12	#23
DWV Voltage (VAC)	500	1800	500	500	500	750	1800	500
Current Rating (Amps)	5	13	5	5	5	7.5	23	5



2M801 2M803 2M804	7-25	8-2	8-13	8-28	8-200*		9-4
2M805	9-25	10-2	10-13	10-28	10-200*		11-4
No. of Contacts	5	2	13	8	2	4	4
Contact Size	#20HD	#16	#23	#20HD	#20	#23	#16
DWV Voltage (VAC)	750	1800	500	750	1000	500	1800
Current Rating (Amps)	7.5	13	5	7.5	7	5	13



2M801 2M803 2M804	9-19	9-200		9-201	9-210	10-2
2M805	11-19	11-200		11-201	11-210	12-2
No. of Contacts	19	2	4	2	8	2
Contact Size	#23	#16	#23	#20	#23	#12
DWV Voltage (VAC)	500	1800	500	1000	500	1800
Current Rating (Amps)	5	13	5	7.5	5	23



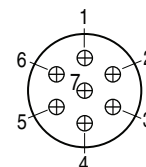
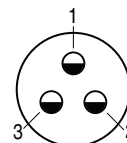
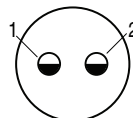
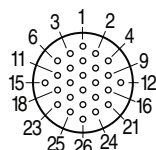
2M801 2M803 2M804	10-5	10-201		10-202*		10-200*	
2M805	12-5	12-201		12-202*		12-200*	
No. of Contacts	5	2	4	2	8	1	12
Contact Size	#16	#12	#23	#16	#23	#12	#23
DWV Voltage (VAC)	1800	1800	500	1800	500	1800	500
Current Rating (Amps)	13	23	5	13	5	23	5

2M Series Technical Information

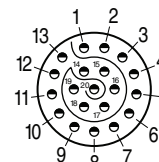
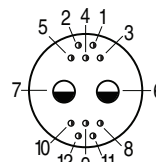
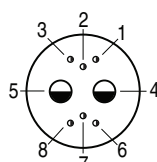
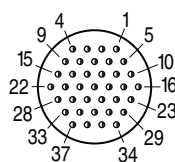
Insert Arrangements

Front face of pin inserts illustrated (Socket Reversed)

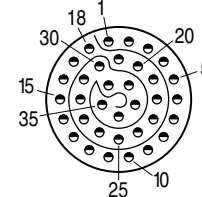
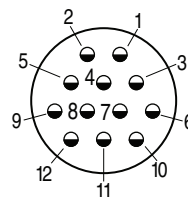
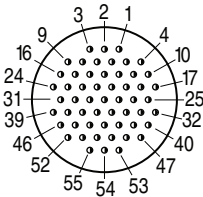
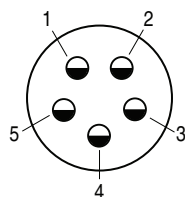
CONTACT LEGEND  12  16  20  20HD  20  23



2M801	10-26	13-2	13-3*	13-7
2M803 2M804	10-26	12-2	12-3*	12-7
2M805	12-26	15-2	15-3*	15-7
No. of Contacts	26	2	3	7
Contact Size	#23	#12	#12	#16
DWV Voltage (VAC)	500	1800	1800	1800
Current Rating (Amps)	5	23	23	13



2M801	13-37	13-200*	13-201	13-220
2M803 2M804	12-37	12-200	12-201	12-220
2M805	15-37	15-200*	15-201	15-220
No. of Contacts	37	2 6	2 10	20
Contact Size	#23	#12 #23	#12 #23	#20HD
DWV Voltage (VAC)	500	1800 500	1800 500	750
Current Rating (Amps)	5	23 5	23 5	7.5



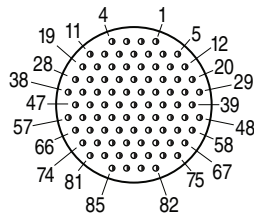
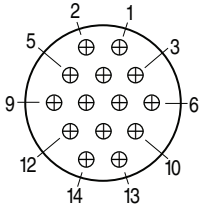
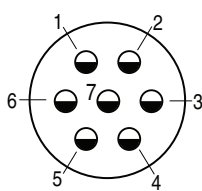
2M801	16-5	16-55	16-12	16-235
2M803 2M804	14-5	14-55	14-12	14-235
2M805	18-5	18-55	18-12	18-235
No. of Contacts	5	55	12	35
Contact Size	#12	#23	#16	#20HD
DWV Voltage (VAC)	1800	500	1800	750
Current Rating (Amps)	23	5	13	7.5

*Not tooled for every insert pattern

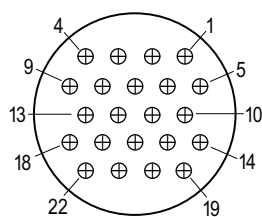
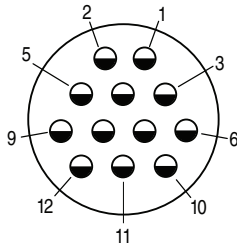
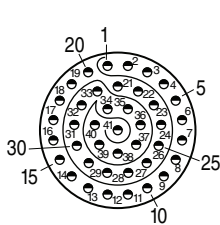
2M Series Technical Reference

Insert Arrangements

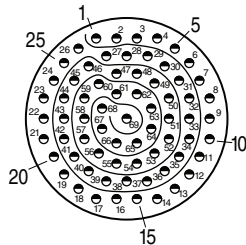
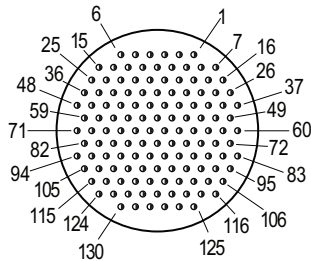
Front face of pin inserts illustrated (Socket Reversed)



2M801	17-7	17-14*	17-85
2M803 2M804	15-7	15-14	15-85
2M805	19-7	19-14*	19-85
No. of Contacts	7	14	85
Contact Size	#12	#16	#23
DWV Voltage (VAC)	1800	1800	500
Current Rating (Amps)	23	13	5



2M801	17-241*	21-12	21-22*
2M805	19-241*	23-12	23-22*
No. of Contacts	41	12	22
Contact Size	#20HD	#12	#16
DWV Voltage (VAC)	750	1800	1800
Current Rating (Amps)	7.5	23	13



2M801	21-130	21-269
2M805	23-130	23-269
No. of Contacts	130	69
Contact Size	#23	#20HD
DWV Voltage (VAC)	500	750
Current Rating (Amps)	5	7.5

*Not tooled for every insert pattern



FEATURES:

- Low profile shells for minimum box protrusion
- Shell Standoffs for PC Board washout
- Non-removable PC and/or Solder cup contacts

2M805

Tri-Start

2M805 Series of Hermetic Receptacles provide superior sealing of 1×10^{-8} cc/second helium leak rate and are 100% tested prior to shipping. This superior sealing is accomplished through the use of glass insulator fused to stainless steel shells and iron alloy contacts.

2M805 Tri-Start Hermetic Receptacle

Ordering Guide for 2M805-006

1.	2.	3.	4.	5.	6.
Series	Shell Size	Service Class	Shell Size-Insert Aggmt	Contacts	Keying
2M805-006	-07	Z1	12-26	C	A

Example Part Number

1. SERIES	
Part #	Description
2M805-006	Hermetic Receptacle

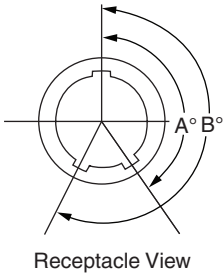
2. SHELL SIZE	
Part #	Description
-02	Square Flange
-03	Weld Mount (only available in Z1 Finish)
-07	Jam Nut for Rear Panel Mounting Receptacle

3. SERVICE CLASS			
Material	Part #	Description	RoHS
Stainless Steel	Z1	Passivated	
	ZL	Electrolytic Nickel	

4. SHELL SIZE-INSERT ARRANGEMENT
See Table on pages 53-55

5. CONTACTS	
Part #	Description
P	Pin- Solder Cup
C	Pin-PC Tail
H	Pin, Solder Cup- Without Interfacial Seal
Y	Pin, PC Tail- Without Interfacial Seal

6. KEYING		
Part #	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°



Note: Please contact the factory directly for a listing of tooled interfacial seals for the hermetically sealed connectors.

Please note, Amphenol standard 2M hermetic connector are provided less the interfacial seal. Please contact the factory for availability on the interfacial seal.

38999 III

38999 II

38999 I

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2M805-006-02

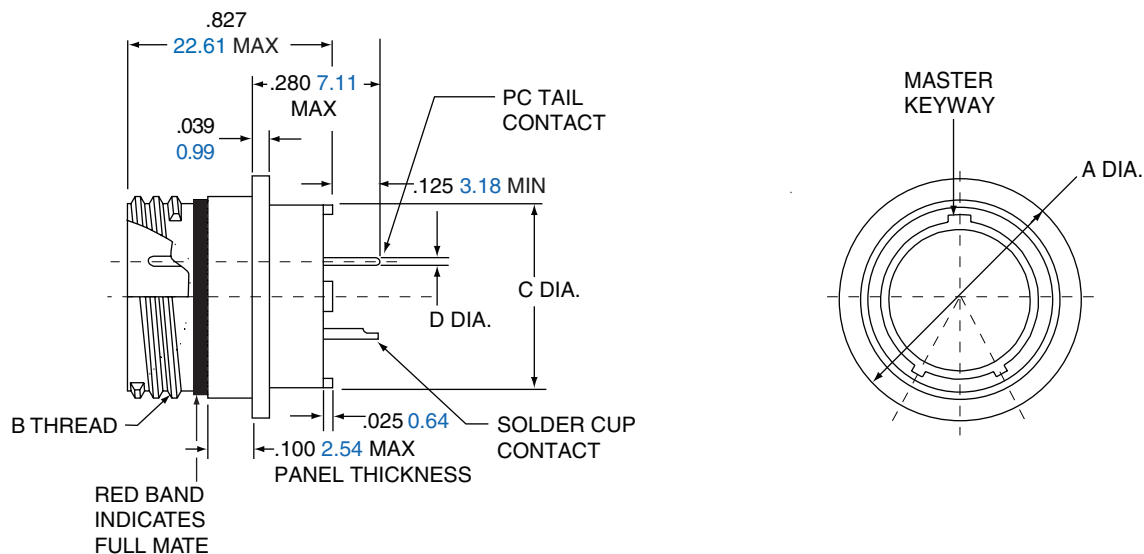
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2M805 Tri-Start Solder Mount Hermetic

2M805-006-03



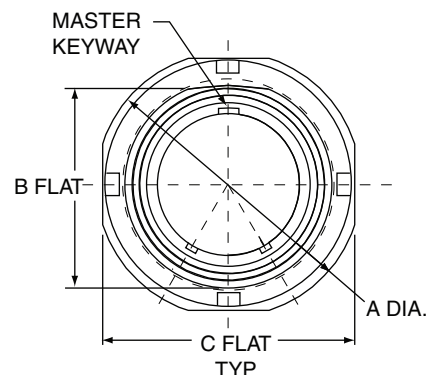
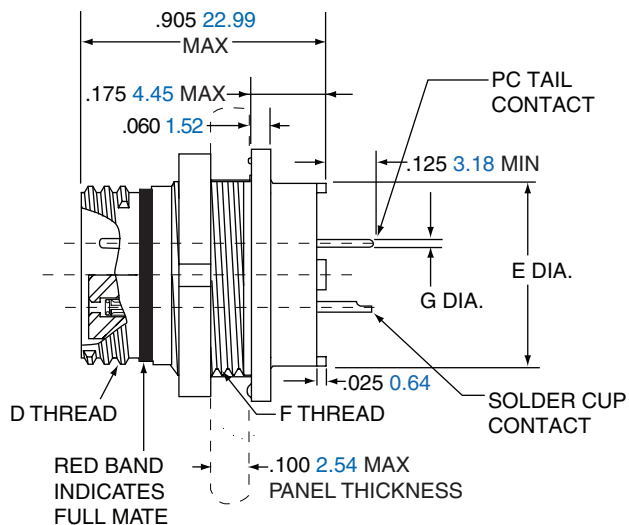
Inches-Millimeters

Shell Size	A Dia.		B Threads	C Dia.		D PC Tail Dia.
	in.	mm.		in.	mm.	
8	.625	15.88	.5000-.1P-.3L-TS-2A	.330	8.38	#23 .018/.022 0.46/0.56
9	.688	17.48	.5625-.1P-.3L-TS-2A	.432	10.97	
10	.750	19.75	.6250-.1P-.3L-TS-2A	.493	12.52	#20/20HD .025/.027 0.64/0.69
11	.812	20.62	.6875-.1P-.3L-TS-2A	.551	14.00	
12	.875	22.23	.7500-.1P-.3L-TS-2A	.620	15.78	#16 .060/.064 1.521/1.63
15	1.062	26.97	.9375-.1P-.3L-TS-2A	.703	17.86	
18	1.250	31.75	1.1250-.1P-.3L-TS-2A	.863	21.92	#12 .092/.096 2.34/2.44
19	1.312	33.32	1.1875-.1P-.3L-TS-2A	.912	23.16	
23	1.563	39.70	1.4375-.1P-.3L-TS-2A	1.162	29.51	

2M805 Tri-Start Jam Nut Hermetic

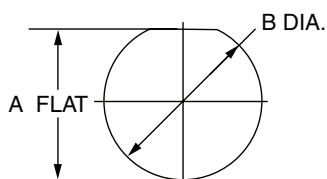
2M805-006-07

2M805-006-07



Inches-Millimeters

Shell Size	A Dia.		B Flat		C Flat		D Threads	E Dia.		F Threads	G PC Tail Dia.
	in.	mm.	in.	mm.	in.	mm.		in.	mm.		
8	.760	19.30	.535	13.59	.730	18.54	.5000-.1P-.3L-TS-2A	.330	8.38	.5625-28 UN-2A	#23 .018/.022 0.46/0.56
9	.880	22.35	.661	16.79	.850	21.59	.5625-.1P-.3L-TS-2A	.432	10.97	.6875-28 UN-2A	#20/20HD .024/.028 0.64/0.69
10	.880	22.35	.661	16.79	.850	21.59	.6250-.1P-.3L-TS-2A	.493	12.52	.6875-28 UN-2A	
11	.955	24.26	.721	18.31	.925	23.50	.6875-.1P-.3L-TS-2A	.551	14.00	.7500-28 UN-2A	#16 .060/.064 1.521/1.63
12	1.060	26.92	.784	19.91	1.035	26.29	.7500-.1P-.3L-TS-2A	.620	15.78	.8125-28 UN-2A	
15	1.203	30.56	.970	24.64	1.173	29.79	.9375-.1P-.3L-TS-2A	.703	17.86	1.0000-28 UN-2A	#12 .092/.096 2.34/2.44
18	1.389	35.28	1.147	29.13	1.359	34.52	1.1250-.1P-.3L-TS-2A	.863	21.92	1.1875-28 UN-2A	
19	1.450	36.83	1.221	31.01	1.420	36.07	1.1875-.1P-.3L-TS-2A	.912	23.16	1.2500-28 UN-2A	
23	1.705	43.31	1.470	37.34	1.675	42.55	1.4375-.1P-.3L-TS-2A	1.162	29.51	1.5000-28 UN-2A	

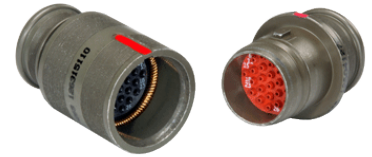


PANEL CUTOUT FOR JAM NUT				
Shell Size	A Flat		B Dia	
	in. ±.002	mm. ± 0.05	in. ±.005	mm. ± 0.13
8	.543	13.79	.572	14.53
9	.669	16.99	.698	17.73
10	.669	16.99	.698	17.73
11	.729	18.51	.760	19.30
12	.792	20.17	.822	20.88
15	.978	24.84	1.010	25.65
18	1.155	29.34	1.198	30.43
19	1.231	31.27	1.260	32.00
23	1.480	37.59	1.510	38.35

2M804

Push-Pull

2M804 Series of Hermetic Receptacles provide superior sealing of 1x10⁻⁸ cc/second helium leak rate and are 100% tested prior to shipping. This superior sealing is accomplished through the use of glass insulator fused to stainless steel shells and iron alloy contacts.



FEATURES:

- Push-pull coupling
- Excellent EMI shielding
- Rated to 38999 immersions
- Quick-disconnect

2M804 Push-Pull Hermetic Receptacle

Ordering Guide for 2M804-006

38999 III

38999 II

38999 I

SJT

Aquacon

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1.	2.	3.	4.	5.	6.
Series	Shell Size	Service Class	Shell Size-Insert Aggmt	Contacts	Keying
2M804-006	-07	Z1	9-19	P	A

Example Part Number

1. SERIES	
Part #	Description
2M804-006	Hermetic Receptacle with Printed Circuit Board Contacts or Solder Cup Contacts.

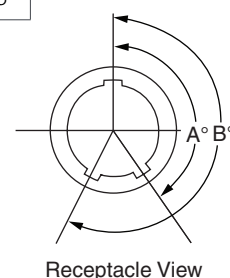
2. SHELL SIZE	
Part #	Description
-00	Jam Nut for Front Panel Mounting
-07	Jam Nut for Rear Panel Mounting Receptacle

3. SERVICE CLASS			
Material	Part #	Description	RoHS
Stainless Steel	Z1	Passivated	
	ZL	Electrolytic Nickel	

4. SHELL SIZE-INSERT ARRANGEMENT
See Table pg 53-55

5. CONTACTS	
Part #	Description
P	Pin- Solder Cup
C	Pin-PC Tail
H	Pin, Solder Cup- Without Interfacial Seal
Y	Pin, PC Tail- Without Interfacial Seal

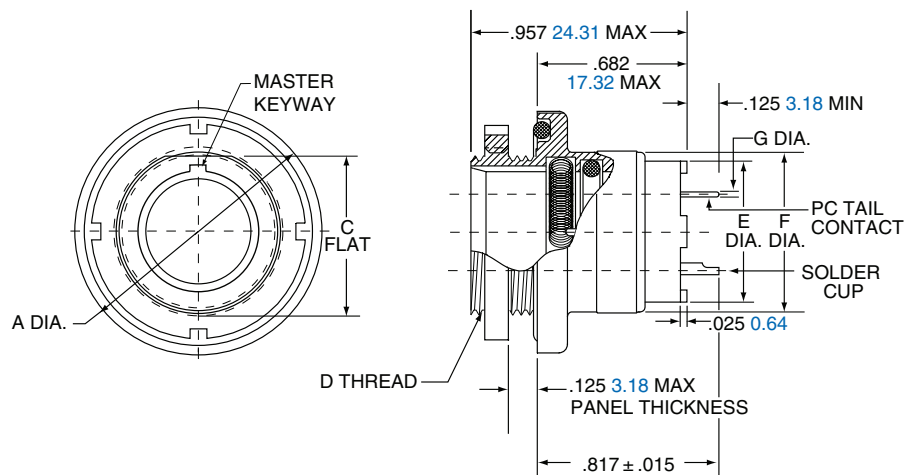
6. KEYING		
Part #	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°



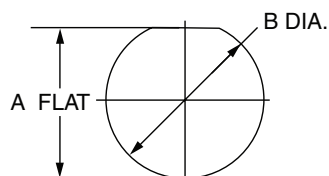
Note: Please contact the factory directly for a listing of tooled interfacial seals for the hermetically sealed connectors. Please note, Amphenol standard 2M hermetic connector are provided less the interfacial seal. Please contact the factory for availability on the interfacial seal.

2M804 Push-Pull Rear Panel Jam Nut Hermetic

2M804-006-07



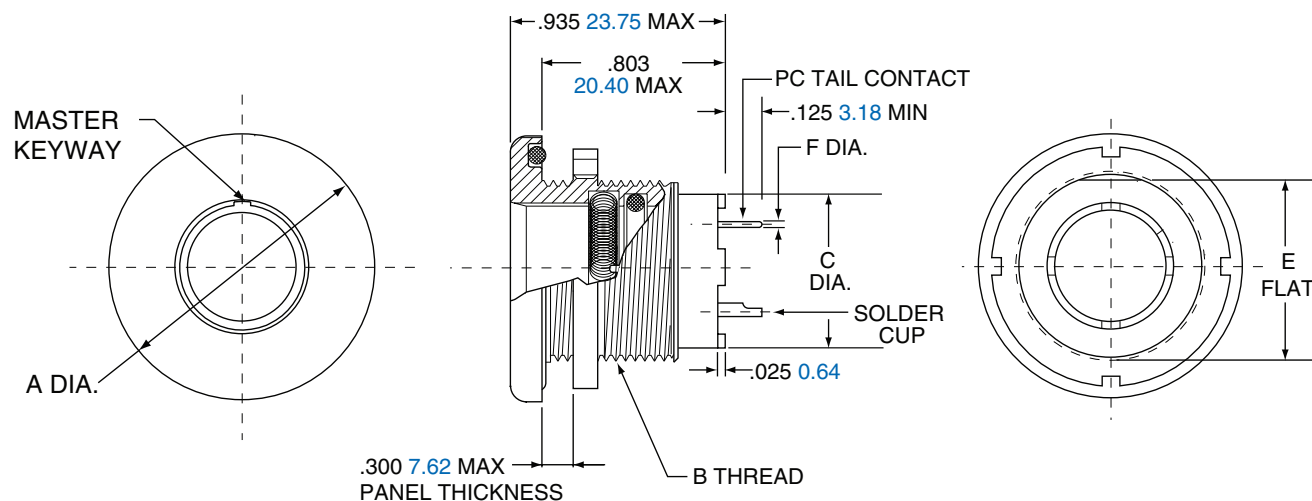
Shell Size	A Dia.		C Flat		D Thread UN-2A	E Dia.		F Dia.		G PC Tail Dia.
	in.	mm.	in.	mm.		in.	mm.	in.	mm.	
5	.773	19.63	.414	10.52	.4375-32	.274	6.96	.448	11.38	#23 .018/.022 0.46/0.56
6	.833	21.16	.468	11.89	.5000-32	.329	8.36	.513	13.03	
7	.903	22.94	.593	15.06	.6250-28	.431	10.95	.573	14.55	
8	.958	24.33	.593	15.06	.6250-28	.493	12.52	.596	15.14	#20/20HD .025/.027 0.64/0.69
9	.998	25.35	.653	16.59	.6875-28	.551	14.00	.691	17.55	
10	1.083	27.51	.721	18.31	.7500-28	.619	15.72	.728	18.49	
12	1.183	30.05	.843	21.41	.8750-28	.703	17.86	.883	22.43	#16 .060/.064 1.52/1.63
14	1.323	33.60	.968	24.59	1.0000-28	.863	21.92	1.003	25.48	
15	1.373	34.87	1.036	26.31	1.0625-20	.913	23.19	1.063	27.00	#12 .092/.096 2.34/2.44



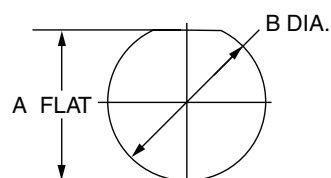
JAM NUT PANEL CUTOUT				
Shell Size	A Flat		B Dia.	
	in. ±.002	mm. ± 0.05	in. ±.005	mm. ± 0.13
5	.423	10.74	.448	11.38
6	.475	12.07	.510	12.95
7	.602	15.29	.635	16.13
8	.602	15.29	.635	16.13
9	.663	16.84	.698	17.73
10	.729	18.82	.760	19.30
12	.851	21.62	.885	22.48
14	.976	24.79	1.010	25.65

2M804 Front Panel Jam Nut Hermetic

2M804-006-00



Shell Size	A Dia.		B Thread UN-2A	C Dia.		E Flat.		F PC Tail Dia.
	in.	mm.		in.	mm.	in.	mm.	
5	.830	21.08	.5000-32	.274	6.96	.470	11.94	#23 .018/.022 0.46/0.56
6	.884	22.45	.5625-32	.329	8.36	.529	13.44	#20/20HD .025/.027 0.64/0.69
7	.994	25.25	.6875-28	.431	10.95	.663	16.84	#16 .060/.064 1.52/1.63
8	.994	25.25	.6875-28	.493	12.52	.663	16.84	#12 .092/.096 2.34/2.44
9	1.073	27.25	.7500-28	.551	14.00	.719	18.26	
10	1.138	28.91	.8125-28	.619	15.72	.778	19.76	
12	1.338	33.99	1.0000-28	.703	17.86	.969	24.61	
14	1.388	35.26	1.0625-20	.863	21.92	1.019	25.88	
15	1.453	36.91	1.1250-28	.913	23.19	1.113	28.27	



JAM NUT PANEL CUTOUT				
Shell Size	A Flat		B Dia.	
	in. ±.002	mm. ± 0.05	in. ±.005	mm. ± 0.13
5	.477	12.12	.510	12.95
6	.537	13.64	.635	16.13
7	.670	17.02	.635	16.13
8	.670	17.02	.698	17.73
9	.727	18.47	.760	19.30
10	.787	19.81	.885	22.48
12	.977	24.82	1.010	25.65
14	1.027	26.09	1.073	27.25
15	1.120	28.45	1.135	28.83

2M803

Bayonet

2M803 Series of Hermetic Receptacles provide superior sealing of 1×10^{-8} cc/second helium leak rate and are 100% tested prior to shipping. This superior sealing is accomplished through the use of glass insulator fused to stainless steel shells and iron alloy contacts.

FEATURES:

- Low profile shells for minimum box protrusion
- Shell Standoffs for PC Board washout
- Non-removable PC and/or Solder cup contacts

2M803 Hermetic

Ordering Guide for 2M803-006 Receptacles

1.	2.	3.	4.	5.	6.
Series	Shell Size	Service Class	Shell Size-Insert Aggmt	Contacts	Keying
2M803-006	-07	Z1	6-7	P	A

Example Part Number

1. SERIES	
Part #	Description
2M803-006	Hermetic Receptacles with PCB Contacts or Solder Cup Contacts

2. SHELL SIZE	
Part #	Description
-02	Flange Mount
-07	Jam Nut

3. SERVICE CLASS			
Material	Part #	Description	
Stainless Steel	Z1	Passivated	
	ZL	Electrolytic Nickel	

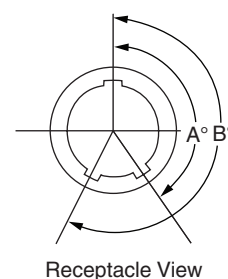
4. SHELL SIZE-INSERT ARRANGEMENT
See Table pg 53-55

Note: Please contact the factory directly for a listing of tooled interfacial seals for the hermetically sealed connectors.

Please note, Amphenol standard 2M hermetic connector are provided less the interfacial seal. Please contact the factory for availability on the interfacial seal.

5. CONTACTS	
Part #	Description
P	Pin- Solder Cup
C	Pin-PC Tail
H	Pin, Solder Cup- Without Interfacial Seal
Y	Pin, PC Tail- Without Interfacial Seal

6. KEYING		
Part #	A°	B°
N (NORMAL)	150°	210°
X	75°	210°
Y	95°	230°
Z	140°	275°

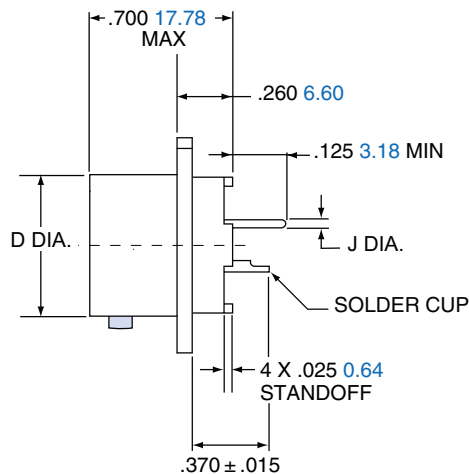
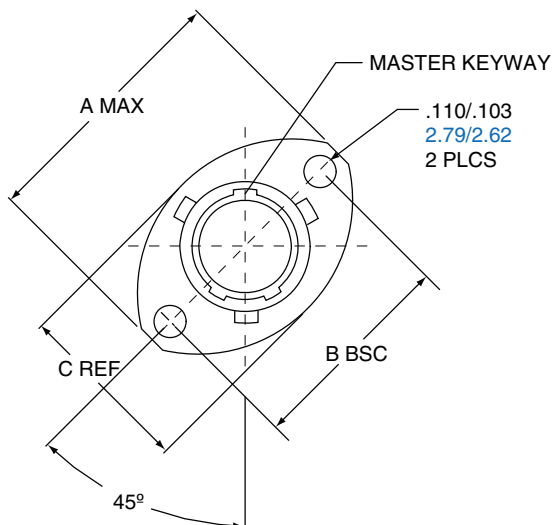


2M803 Hermetic

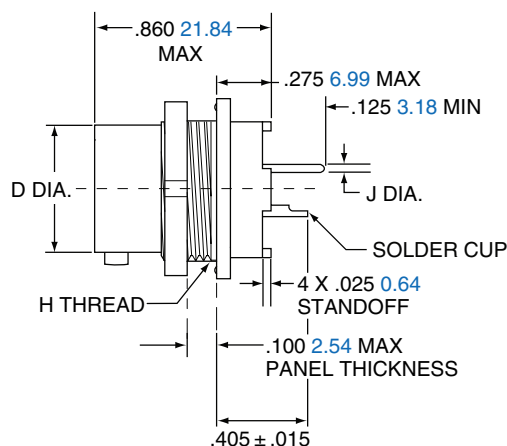
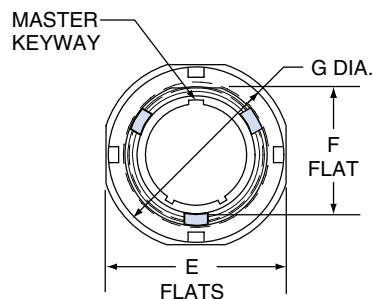
Flange Mount and Jam Nut 2M803-006-02 and -07



2M803-006-02



2M803-006-07



Shell Size	A Max.		B BSC.		C Ref.		D Dia.		E Flats		F Flat		G Dia.		H Thread	J PC Tail Dia.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
5	.710	18.03	.513	13.03	.460	11.68	.300	7.62	.545	13.84	.350	8.89	.575	14.61	.3750-32 UNEF-2A	#23 .018/.022 0.46/0.56
6	.788	20.02	.598	15.19	.522	13.26	.362	9.19	.595	15.11	.410	10.42	.635	16.13	.4375-28 UNEF-2A	#20/20HD .025/.027 0.64/0.69
7	.895	22.73	.708	17.98	.590	14.99	.436	11.07	.723	18.36	.536	13.61	.755	19.18	.5625-32 UN-2A	#16 .060/.064 1.52/1.63
8	1.154	29.31	.964	24.49	.665	16.98	.500	12.70	.790	20.07	.593	15.10	.830	21.08	.6250-28 UN-2A	#12 .092/.096 2.34/2.44
9	1.210	30.73	1.017	25.83	.721	18.31	.561	14.25	.790	20.07	.596	15.14	.830	21.08	.6250-28 UN-2A	
10	1.291	32.79	1.101	27.97	.795	20.19	.635	16.13	.925	23.51	.721	.721	.955	24.26	.7500-28 UN-2A	
12	1.395	35.43	1.204	30.58	.874	22.20	.714	18.14	1.044	26.52	.845	21.46	1.078	27.38	.8750-28 UN-2A	
14	1.550	39.37	1.280	32.51	1.050	26.67	.865	21.97	1.230	31.24	1.022	25.96	1.264	32.11	1.0625-20 UN-2A	
15	N/A	N/A	N/A	N/A	N/A	N/A	.924	23.47	1.287	32.69	1.093	27.76	1.322	33.58	1.1250-28 UN-2A	



FEATURES:

- Low profile shells for minimum box protrusion
- Shell Standoffs for PC Board washout
- Non-removable PC and/or Solder cup contacts

2M801 Dual-Start

2M801 Series of Hermetic Receptacles provide superior sealing of 1×10^{-8} cc/second helium leak rate and are 100% tested prior to shipping. This superior sealing is accomplished through the use of glass insulator fused to stainless steel shells and iron alloy contacts.

2M801 Hermetic

Ordering Guide for Hermetic Receptacle 2M801-012



1.	2.	3.	4.	5.	6.
Series	Shell Size	Service Class	Shell Size-Insert Aggmt	Contacts	Keying
2M801-012	-02	Z1	6-7	P	A

Example Part Number

1. SERIES	
Part #	Description
2M801-012	Hermetic Receptacles with Printed Circuit Board Contacts or Solder cup contacts

2. SHELL SIZE	
Part #	Description
-02	Flange Mount
-03	Weld Mount (only available is Z1 finish)
-07	Jam Nut

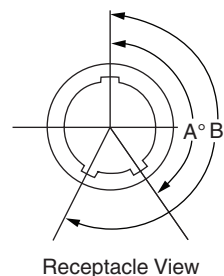
3. SERVICE CLASS			
Material	Part #	Description	RoHS
Stainless Steel	Z1	Passivated	
	ZL	Electrolytic Nickel	
	ZB	Stainless Steel with Olive Drab Cadmium Finish	

4. SHELL SIZE-INSERT ARRANGEMENT
See Table pg 53-55

5. CONTACTS	
Part #	Description
P	Pin- Solder Cup
C	Pin-PC Tail
H	Pin, Solder Cup- Without Interfacial Seal
Y	Pin, PC Tail- Without Interfacial Seal

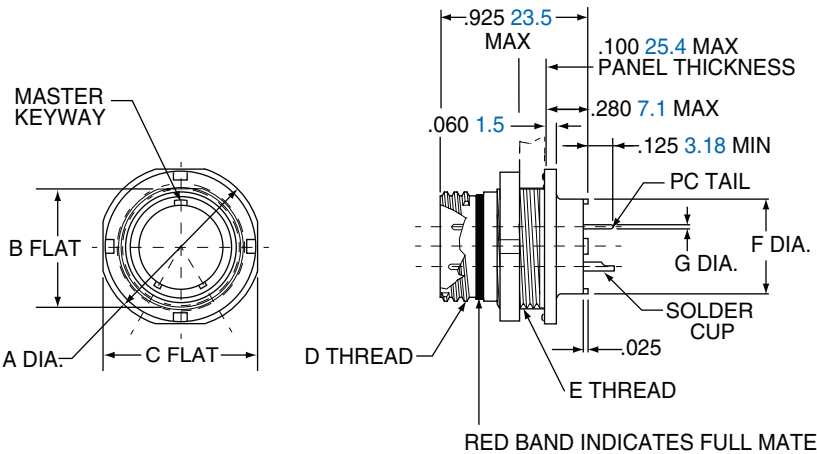
6. KEYING		
Part #	A°	B°
A (NORMAL)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

Note: Please contact the factory directly for a listing of tooled interfacial seals for the hermetically sealed connectors.

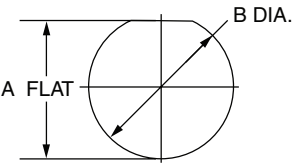


2M801 Hermetic

Hermetic Jam Nut Connector 2M801-012-07



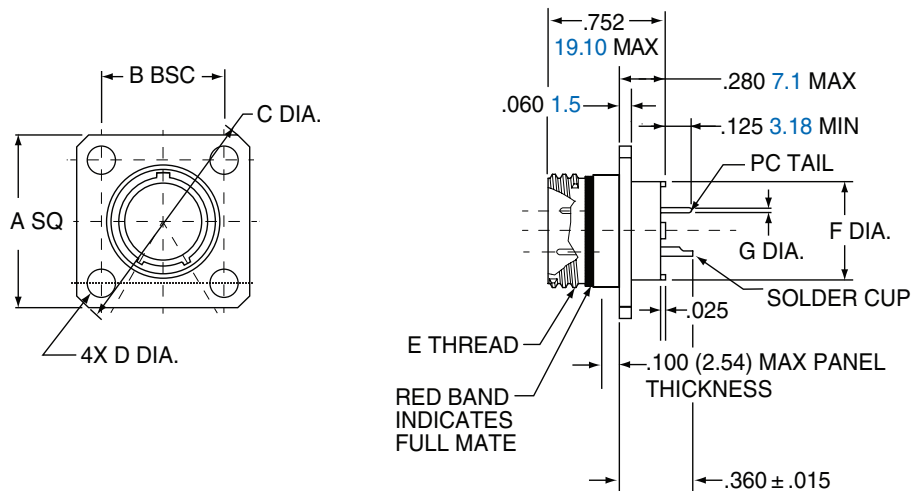
Shell Size	A Dia.		B Flat		C Flat		D Thread	UN-2A E Thread	F Dia.		G Dia. Tail Dia.
	in.	mm.	in.	mm.	in.	mm.			in.	mm.	
5	.575	14.61	.350	8.89	.545	13.84	.3125-.05P-.1L-2A	.3750-28	.244	6.20	#23
6	.635	16.13	.410	10.41	.595	15.11	.3750-.05P-.1L-2A	.4375-28	.330	8.38	.018/.022 0.46/0.56
7	.755	19.18	.536	13.61	.723	18.36	.4375-.05P-.1L-2A	.5625-32	.432	10.97	#20/20HD
8	.755	19.18	.536	13.61	.723	18.36	.5000-.05P-.1L-2A	.5625-32	.493	12.52	.024/.028 0.64/0.69
9	.830	21.08	.596	15.14	.790	20.07	.5625-.05P-.1L-2A	.6250-28	.551	14.00	
10	.890	22.61	.658	16.71	.855	21.72	.6250-.05P-.1L-2A	.6875-28	.620	15.75	#16
13	1.078	27.38	.845	21.46	1.044	26.52	.8125-.1P-.2L-2A	.8750-28	.703	17.86	.060/.064 1.52/1.63
16	1.264	32.11	1.022	25.96	1.230	31.24	1.0000-.1P-.2L-2A	1.0625-20	.863	21.92	#12
17	1.325	33.66	1.096	27.84	1.290	32.77	1.0625-.1P-.2L-2A	1.125-28	.912	23.16	.092/.096 2.34/2.44
21	1.625	41.28	1.345	34.16	1.577	40.06	1.3125-.1P-.2L-2A	1.375-28	1.170	29.72	



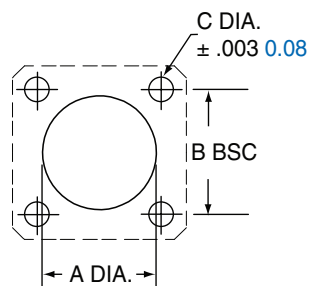
PANEL CUTOUT				
Shell Size	A Flat		B Dia.	
	in. ±.002	mm. ± 0.05	in. ±.002	mm. ± 0.05
5	.356	9.04	.385	9.78
6	.416	10.57	.447	11.35
7	.542	13.77	.572	14.53
8	.542	13.77	.572	14.53
9	.602	15.29	.635	16.13
10	.666	16.92	.697	17.70
13	.851	21.62	.885	22.48
16	1.028	26.11	1.075	27.31
17	1.102	27.99	1.135	28.83
21	1.354	34.39	1.385	35.18

2M801 Dual-Start ACME Threads

Hermetic Square Flange Connector 2M801-012-02



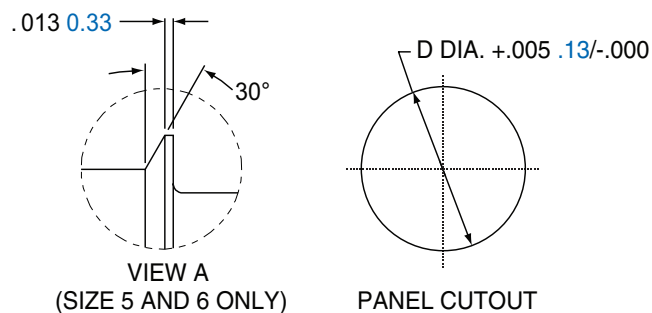
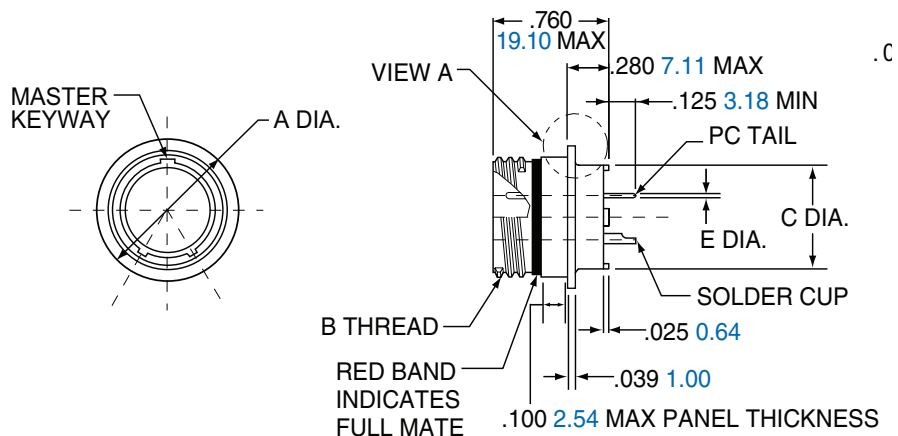
Shell Size	A SQ.		B BSC		C Dia.		D Dia.		E Thread	F Dia.		G. Dia. Tail Dia.
	in.	mm.	in.	mm.	in.	mm.	in. ±.003	mm. ± 0.08		in.	mm.	
5	.530	13.46	.363	9.22	.680	17.27	.093	2.36	.3125-.05P-.1L-2A	.244	6.20	#23 .018/.022 0.46/0.56
6	.590	14.99	.423	10.74	.750	19.05	.093	2.36	.3750-.05P-.1L-2A	.330	8.38	#20/20HD .025/.027 0.64/0.69
7	.650	16.51	.483	12.27	.850	21.59	.093	2.36	.4375-.05P-.1L-2A	.432	10.97	#16 .060/.064 1.52/1.63
8	.712	18.08	.545	13.84	.938	23.83	.093	2.36	.5000-.05P-.1L-2A	.493	12.52	#12 .092/.096 2.34/2.44
9	.850	21.56	.607	15.42	1.125	28.58	.128	3.25	.5625-.05P-.1L-2A	.551	14.00	
10	.890	22.61	.670	17.02	1.188	30.18	.128	3.25	.6250-.05P-.1L-2A	.620	15.75	
13	1.030	26.16	.812	20.62	1.375	34.93	.128	3.25	.8125-.1P-.2L-2A	.703	17.86	
16	1.219	31.96	.981	24.92	1.625	41.28	.128	3.25	1.0000-.1P-.2L-2A	.863	21.92	
17	1.280	32.51	1.060	26.92	1.700	43.18	.128	3.25	1.0625-.1P-.2L-2A	.912	23.16	
21	1.430	36.32	1.205	30.61	1.940	49.28	.128	3.25	1.3125-.1P-.2L-2A	1.170	29.72	



PANEL CUTOUT						
Shell Size	A Dia.		B BSC		C Dia.	
	in.	mm.	in.	mm.	in.	mm.
5	.330	8.38	.363	9.22	.093	2.36
6	.390	9.91	.423	10.74	.093	2.36
7	.450	11.43	.483	12.27	.093	2.36
8	.510	12.95	.545	13.84	.093	2.36
9	.575	14.61	.607	15.42	.128	3.25
10	.640	16.26	.670	17.02	.128	3.25
13	.825	20.96	.812	20.65	.128	3.25
16	1.015	25.78	.981	24.92	.128	3.25
17	1.075	27.31	1.060	26.92	.128	3.25
21	1.325	33.66	1.205	30.61	.128	3.25

2M801 Dual-Start ACME Threads

Hermetic Weld Mount Connector 2M801-012-03



Shell Size	A Dia		B Thread	C Dia.		D Dia. Panel Cutout		G. PC Tail Dia.
	in.	mm.		in.	mm.	in.	mm.	
5	.395	10.03	.3125-.05P-.1L-2A	.244	6.20	.319	8.10	#23 .018/.022 0.46/0.56
6	.455	11.56	.3750-.05P-.1L-2A	.330	8.38	.379	9.55	#20/20HD .024/.028 0.64/0.69
7	.520	13.21	.4375-.05P-.1L-2A	.432	11.97	.438	11.13	#16 .060/.064 1.52/1.63
8	.580	14.73	.5000-.05P-.1L-2A	.493	12.52	.502	11.13	#12 .092/.096 2.34/2.44
9	.645	16.38	.5625-.05P-.1L-2A	.551	14.00	.563	14.30	
10	.705	18.01	.6250-.05P-.1L-2A	.620	15.75	.627	11.13	
13	.895	22.73	.8125-.1P-.2L-2A	.703	17.86	.814	20.68	
16	1.080	27.43	1.0000-.1P-.2L-2A	.863	21.92	1.007	25.58	
17	1.145	29.08	1.0625-.1P-.2L-2A	.912	23.16	1.067	27.10	
21	1.395	35.43	1.3125-.1P-.2L-2A	1.170	29.72	1.320	33.53	