

2M MICRO MINIATURE PYTHON

LOW PROFILE EMI/RFI PLUG AND BACKSHELL COMBO

PDS-252-2



OVERVIEW

2M Python is a low profile EMI/RFI plug and backshell combo. This innovative combination reduces space requirements without compromising on ruggedness or shielding performance. Available in 2M801 Series, 2M804 Series, and 2M805 Series, Python assemblies provide superior low profile cable routing and 2M Micro-miniature connector performance all-in-one.

SPACE SAVINGS

- This plug and backshell combo design saves space, with a minimum height and superior EMI performance.

EASY MAINTENANCE

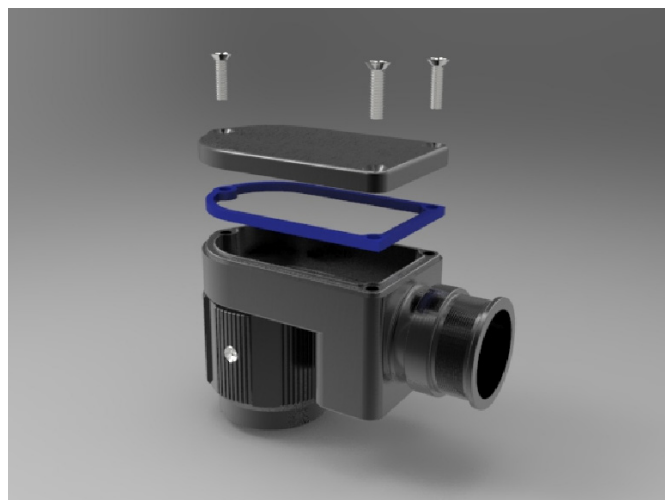
- The rear removable cover makes it easy to cut wires and remove contacts for maintenance.

SIMPLE ASSEMBLY

- Assembles with crimp or solder cup size 23 contacts.
- Multiple cable entry options available for each connector size (rear opening).

KEY ROTATIONS

- All key rotations are available as well as several connector clockings (rotating main key).



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HOW TO ORDER

1. Series	2. Service Class	3. Shell Size & Contact Arrangement	4. Contacts	5. Key Rotation	6. Cable Exit	7. Cable Entry Size
2M805-061-16	MT	8-7	P	A	7	05

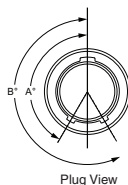
1. SERIES	
2M801-069-26	2M Dual-Start Plug
2M804-066-06	2M Push-Pull Plug
2M805-061-16	2M Tri-Start Plug

2. SERVICE CLASS			
Material	Part #	Description	RoHS
ALUMINUM ALLOY	M	Electroless Nickel	
	NF	Olive Drab Cadmium	
	MT	Durmalon (Ni PTFE)	
	ZN	Olive Drab Zinc Nickel	
	ZNU	Black Zinc Nickel	
STAINLESS STEEL	Z1	Passivated	

3. SHELL SIZE - INSERT ARRANGEMENTS-SEE CHART BELOW	
2M801, 2M804	2M805
5-3	
6-4	8-4
6-6	8-6
6-7	8-7
7-10	9-10
8-13	10-13
9-19	11-19
10-26	12-26
13-37	15-37
16-55	18-55
17-85	19-85
21-130	23-130

4. CONTACTS	
A	Pin, Solder
B	Socket, Solder
P	Pin, Crimp
S	Socket, Crimp

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



CABLE ENTRY GUIDE

6. CABLE EXIT DIRECTION	
1	0°
2	45°
3	90°
4	135°
5	180°
6	225°
7	270°
8	315°

7. CABLE ENTRY SIZE	
03	0.188
04	0.250
05	0.313
06	0.375
07	0.438
08	0.500
10	0.625
12	0.750
13	0.813
17	1.063

A:801-069		
Shell Size	Contact Arrangement	Max Entry
5	5-3	03
6	6-4, 6-6, 6-7	04
7	7-10	05
8	8-13	06
9	9-19	07
10	10-26	08
13	13-37	10
16	16-55	12
17	17-85	13
21	21-130	17

A:804-066		
Shell Size	Contact Arrangement	Max Entry
5	5-3	03
6	6-4, 6-6, 6-7	04
7	7-10	05
8	8-13	06
9	9-19	07
10	10-26	08
12	12-37	10
14	14-55	12

A:805-061		
Shell Size	Contact Arrangement	Max Entry
8	8-4, 8-6, 8-7	04
9	9-10	05
10	10-13	06
11	11-19	07
12	12-26	08
15	15-37	10
18	18-55	12
19	19-85	13
23	23-130	17