

The snap-lock, trigger-release connector

860-004R Panel Mounting Receptacles With PC Tails



860-004R

860-004R panel mount MouseBud receptacles with "hot shoe" type contacts are lightweight, ultra low profile and are rated for 2000 mating cycles. Suitable for hostile environments including soldier-wearable electronics, these receptacle connectors meet MIL-STD-810G immersion requirements mated or unmated. Contacts are easy to clean and damage resistant. Gold plated contacts, stainless steel shell and thermoplastic insulator. Fluorosilicone O-ring and seal. 5A current rating, 500VAC dielectric withstanding voltage rating. -55° to +125° C operating temperature.

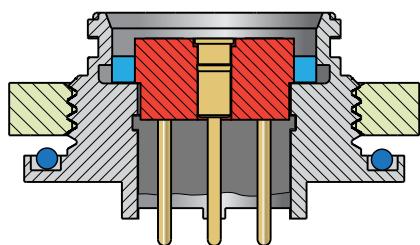
How To Order							
	860-004R-	C10	ZR	07	A-	15-	30
Product	860-004R = MouseBud panel mount receptacle with PC tail terminals						
Contact Arrangement (Table 1)	B7 = seven contacts, size B shell C10 = ten contacts, size C shell						
Finish	M = electroless NI MT = Nickel-PTFE ZR = Black zinc-nickel						
Shell Style	00 = front panel mounting 07 = rear panel mounting						
Keyway Position (Table 2)	A = position A B = position B C = position C	D = position D E = position E F = position F					
Panel Thickness	15 = .062 (1.5)	30 = .125 (3.0)					
PC Tail Length	20 = .08 (2.0) 30 = .12 (3.0)						

Specifications

- Operating temperature: -55°C to +125°C
- Dielectric withstanding voltage: 500 VAC
- Current rating: 5 A
- Contact resistance: 20 milliohms
- Water immersion: MIL-STD-810G Method 512.5, mated or unmated
- Ingress protection: IP67
- Mechanical life: 2000 cycles

Connector Construction

- Shell: stainless steel
- Jam nut: stainless steel
- Contacts: copper alloy, gold plated
- Insert: glass-filled thermoplastic
- O-ring: fluorosilicone
- Peripheral seal: fluorosilicone
- Potting compound: RTV silicone

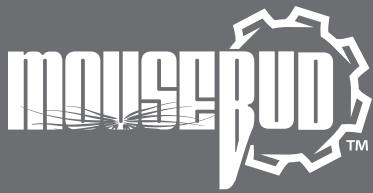


Mounting Style 07
for rear panel mounting

Table 1: Contact Arrangements																			
B7		C10																	
<table border="1" style="width: 100%; text-align: center;"> <tr> <td>Contact Arr.</td> <td>B7</td> <td>Contact Arr.</td> <td>C10</td> </tr> <tr> <td># of Contacts</td> <td>7</td> <td># of Contacts</td> <td>10</td> </tr> <tr> <td>Contact Diameter</td> <td>.038 (0.96)</td> <td>Contact Diameter</td> <td>.038 (0.96)</td> </tr> <tr> <td>Current Rating</td> <td>5A</td> <td>Current Rating</td> <td>5A</td> </tr> </table>		Contact Arr.	B7	Contact Arr.	C10	# of Contacts	7	# of Contacts	10	Contact Diameter	.038 (0.96)	Contact Diameter	.038 (0.96)	Current Rating	5A	Current Rating	5A		
Contact Arr.	B7	Contact Arr.	C10																
# of Contacts	7	# of Contacts	10																
Contact Diameter	.038 (0.96)	Contact Diameter	.038 (0.96)																
Current Rating	5A	Current Rating	5A																

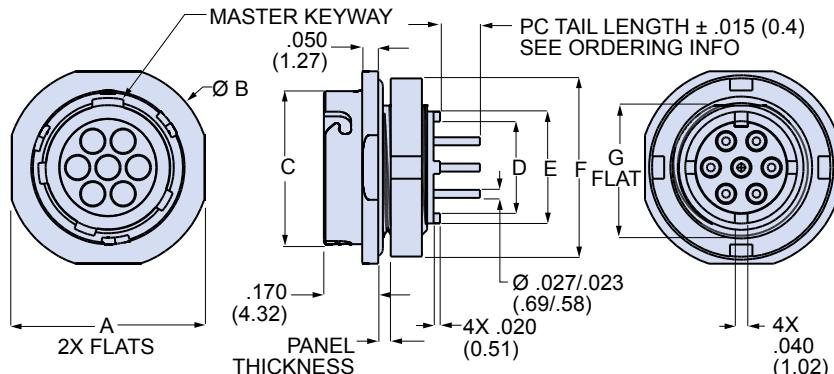
Table 2: Keyway Positions			
Code	A°	B°	C°
A	120°	200°	265°
B	80°	150°	265°
C	95°	150°	235°
D	95°	200°	320°
E	95°	225°	265°
F	120°	225°	320°

SERIES 860
MouseBud™
The snap-lock, trigger-release connector



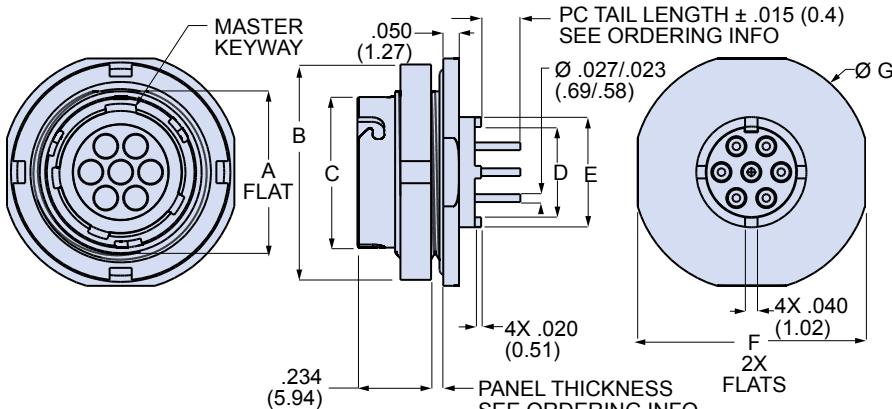
860-004R Panel Mounting Receptacles With PC Tails

Front Panel Mount Style 00 Dimensions														
Contact Arr.	A		B		C		D		E		F		G	
	In.	mm.												
B7	.602	15.29	.635	16.13	.480	12.19	.290	7.37	.350	8.89	.562	14.27	.410	10.41
C10	.723	18.36	.755	19.18	.605	15.37	.415	10.54	.475	12.07	.688	17.48	.536	13.61



Style 00 Panel Cutout															
Contact Arr.	Shell Style	A		B											
		In.	mm.	In.	mm.										
B7	00	.416	10.57	.447	11.35										
C10	00	.542	13.77	.572	14.53										

Rear Panel Mount Style 07 Dimensions														
Contact Arr.	A		B		C		D		E		F		G	
	In.	mm.												
B7	.536	13.60	.688	17.48	.480	12.19	.290	7.37	.350	8.89	.723	18.36	.755	19.18
C10	.656	16.66	.812	20.62	.605	15.37	.415	10.54	.475	12.07	.855	21.72	.890	22.61



Style 07 Panel Cutout															
Contact Arr.	Shell Style	A		B											
		In.	mm.	In.	mm.										
B7	07	.542	13.77	.572	14.53										
C10	07	.666	16.92	.697	17.70										

B7 PCB Layout													
<p>B7 ARRANGEMENT CONNECTOR MOUNTING SIDE OF PCB</p>													

C10 PCB Layout													
<p>C10 ARRANGEMENT CONNECTOR MOUNTING SIDE OF PCB</p>													

Jam Nut Tightening Tools															
Use these tools to install spanner-type jam nuts. 1/4 inch square drive. 20-25 in.-lbs. recommended torque. Hardened steel, nickel plated.															
Layout		Mounting Style		Tool PN											
B7		Style 00 Front Mt		600-146-05											
B7		Style 07 Rear Mt		600-147-6											
C10		Style 00 Front Mt		600-147-6											
C10		Style 07 Rear Mt		600-146-12											