



860-006P

860-006P MouseBud™ harsh environment cordsets are overmolded, shielded and 100% tested. High-performance cable is equipped with a braided tinned copper shield with 90% minimum optical coverage. Shield is terminated to connector with a stainless steel Band-Master® ATS strap. Ultra-lightweight, low profile and water-resistant. Auto-coupling mechanism—simply push to mate and lock. To release, actuate thumb trigger on coupling ring. Style 2 cordset with thermoplastic rubber jacket and overmold has excellent cold bend performance to -55° C. Connectors feature spring-loaded gold plated contacts, stainless steel shells and self-actuating bayonet coupling rings. 5A current rating, 500VAC dielectric withstanding voltage rating.

**Specifications**

- Operating temperature: -30°C to +105°C (cordset style 1) -55°C to +125°C (cordset style 2)
- Dielectric withstanding voltage: 500 VAC
- Current rating: 5 A
- Contact resistance: 20 milliohms
- Water immersion: MIL-STD-810G Meth. 512.5
- Ingress protection: IP67
- Mechanical life: 2500 cycles

**Connector Construction**

- Shell, lid: aluminum alloy
- Bayonet pins, coupling ring, retainer ring and torsion spring: stainless steel
- Contacts: copper alloy, gold plated
- Insert: ultem or LCP/PPS, black
- Ground spring: stainless steel/gold-plated
- Gasket: fluorosilicone
- Potting compound: EP-38

**Cable Construction**

- Wires: silver-coated copper, TFE insulation
- Overmold: polyamide or thermoplastic elastomer
- shield: tin-coated copper microfilament, 90% minimum optical coverage
- Jacket: thermoplastic polyurethane (TPU) or thermoplastic elastomer (TPV)

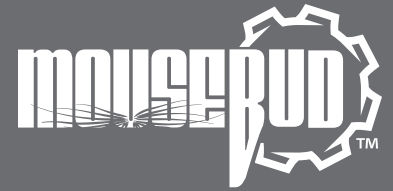
How To Order	
	860-006P- B7 ZR 1 A 2 4 -36
Product	<b>860-006P</b> = overmolded MouseBud cordset
Contact Arrangement (Table 1)	<b>B7</b> = seven contacts, size B shell
Finish	<b>ME</b> = electroless NI <b>MT</b> = nickel-PTFE <b>ZR</b> = black zinc-nickel
Release Trigger Style (Table 2)	<b>1</b> = Standard low-profile release trigger (fig. 1) <b>2</b> = Extended release trigger (fig. 2)
Key Position (Table 3)	<b>A</b> = position A <b>D</b> = position D <b>B</b> = position B <b>E</b> = position E <b>C</b> = position C <b>F</b> = position F
Cordset Style (Table 4)	<b>1</b> = polyurethane cable jacket with polyurethane overmold <b>2</b> = polyurethane cable jacket with polyamide overmold
Wire Size (AWG)	<b>2</b> = #22 <b>4</b> = #24
Length	<b>Cable Length</b> in inches, 12 inch minimum

<p><b>B7</b></p>	Contact Arr.	<b>B7</b>
	# of Contacts	7
	Contact Diameter	.038 (0.96)
	Current Rating	5A

<p>Low-profile release trigger</p>	<p>Extended release trigger</p>
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Code	A°	B°	C°
<b>A</b>	120°	200°	265°
<b>B</b>	80°	150°	265°
<b>C</b>	95°	150°	235°
<b>D</b>	95°	200°	320°
<b>E</b>	95°	225°	265°
<b>F</b>	120°	225°	320°

SERIES 860  
**MouseBud™**  
 The snap-lock, trigger-release connector  
 860-006P Plug Cordsets

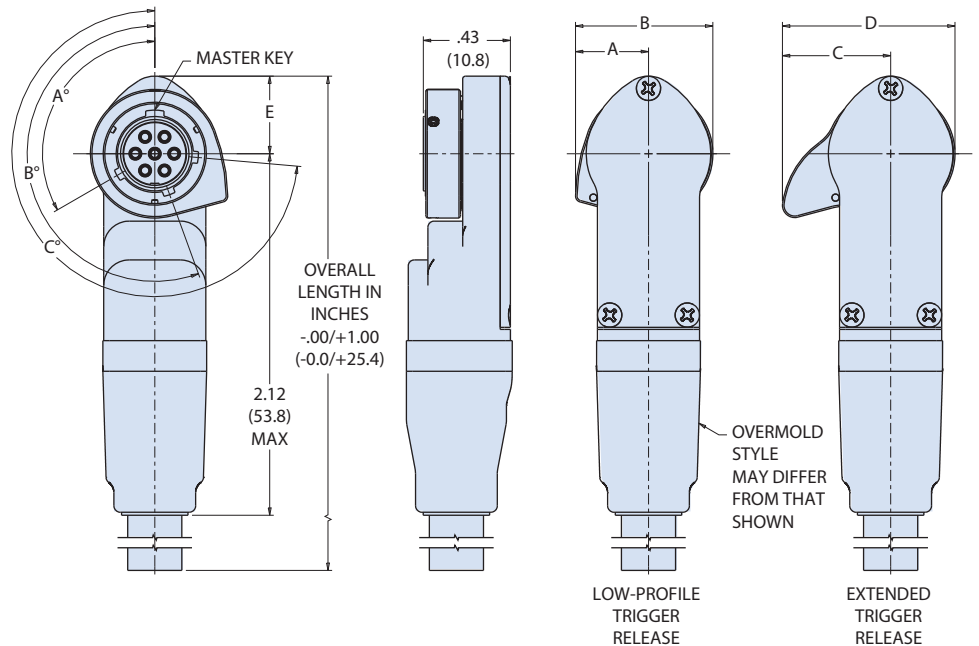
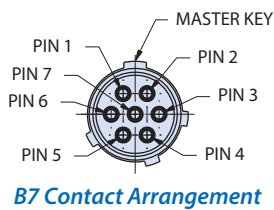


**Table 4: Cordset Style**

Property	Style 1	Style 2
Cable jacket	Thermoplastic elastomer (TPV)	Thermoplastic polyurethane (TPU)
Overmold	Thermoplastic elastomer (TPV)	Polyamide
Operating temperature	-55° C to +125° C	-30° C to +105° C
Flexibility	Excellent	Good
Water Resistance	Waterproof	Waterproof
Solvent Resistance, Cable Jacket	Good	Excellent
Solvent Resistance, Overmold	Good	Fair
Weatherability	Excellent	Excellent
Abrasion Resistance	Good	Excellent
Flammability	Flame retardant UL 94 HB	Flame retardant UL 94 V-0

**Table 5: Wire Color**

Contact Number	Color
1	Black
2	Brown
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Violet
9	Grey
10	White



**Dimensions**

Contact Arr.	A		B		C		D		E	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
<b>B7</b>	.36	9.1	.67	17.1	.53	13.5	.84	21.5	.38	9.6