





TALONMINI

It's no secret the trend in electronics is to push more power and performance through smaller and smaller spaces. This is where the **Talon Mini** is most potent. It's miniature size coupled with its hybrid inserts allows the user to push the limits. The **Talon Mini** also boasts a variety of desirable features including:

- A 360 degree banding shelf near the wire exit
- An audible and tactile 'click'
- A knurled, quarter-turn coupling nut

Trust the **Talon Mini** to deliver **The Science of Certainty** in mission-critical applications.

TECH SPECS

GENERAL	
Part Number Prefix	ТВ
Performance Level	Mil/Aero

MATERIAL	
Housing Material	Aluminum
Housing Plating	Electroless nickel
Insulator Material	LCP
Insulator Color	Black
Flammability Rating	UL 94V-0
Smoke and Toxicity	FAR 25-853(a) FAR 25-855(d)
Contact Material	Copper alloy
Contact Plating	Gold flash 0.76µm Au 1.27µm Au

ELECTRICAL		
Working Voltage (rms)	300 V	
Initial Contact Resistance (max)	Power *1 Signal	$3~\text{m}\Omega$ $5~\text{m}\Omega$
Contact Current Rating at +30°C Temperature Rise	Power *1 Signal	14 A 3 A

^{*1} Value established using standard conductivity alloy

MECHANICAL		
Contact Style	Fixed Removable	
Female Contact Design	Closed entry	
Mating Cycles	500	

ENVIRONIMENTAL			
Operating Temperature	-55 to 125 °C		
Waterproof	IP65*		
* For use with cable-to-cable only, requires overmolding or shrink tubing			

Positronic | Americas

1325 N Eldon Ave Springfield MO 65803 USA +1 800 641 4054 info@connectpositronic.com

Positronic | Europe

46 route d'Engachies F-32020 Auch Cedex 9 France +33 5 6263 4491 contact@connectpositronic.com

Positronic | Asia

3014A Ubi Rd 1 #07-01 +65 6842 1419 Singapore 408703 singapore@connectpositronic.com

Sales Offices

Positronic has local sales representation all over the world. For the nearest sales office visit www.connectpositronic.com/sales



CONTACT LAYOUTS

Scale 1:1



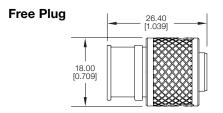




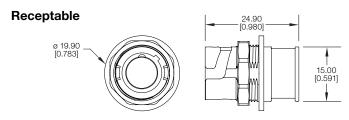
All Positronic products utilize solid, machined contacts.

DIMENSIONS

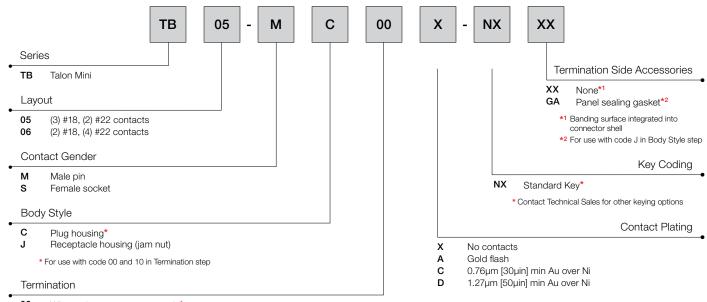
For the sake of brevity, only basic dimensions of the free cable plug and receptacle are shown here. Full dimensional detail is available in the respective product drawings. Scale 1:1







CREATE A PART



00 Wire, order contacts separately*

- 10 Wire, crimp contacts included
- 30 Straight solder
- 40 Right angle solder

CONTACTS

Contact Technical Sales for crimp contact part numbers not listed here.

PART NUMBER	Size	Gender	Female Contact Style	Stranded AWG [mm²]
FC1816P2/AA	#18	Female	Closed entry	#16-18 [1.5-1.0]
MC1816N/AA	#18	Male	n/a	#16-18 [1.5-1.0]
FC422P9/AA	#22	Female	Closed entry	#22-26 [0.3-0.12]
MC422N9/AA	#22	Male	n/a	#22-26 [0.3-0.12]

^{*} For use with code X in Contact Plating step