





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 ΤB 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 Gold flash Contact Plating 0.76µm Au 1.27µm Au

ELECTRICAL		
Working Voltage (rms)	300 V	
Initial Contact Resistance (max)	Power *1 Signal	3 mΩ 5 mΩ
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

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#### **Sales Offices**

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

#### connectpositronic.com

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### THE SCIENCE OF CERTAINTY®



## CONTACT LAYOUTS



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









Scale 1:1

## **CREATE A PART**

TB 05 - M C	00 X - NX XX
Series	
TB Talon Mini	Termination Side Accessories
Layout	XX None*1 GA Panel sealing gasket*2
05         (3) #18, (2) #22 contacts           06         (2) #18, (4) #22 contacts	<ul> <li>*1 Banding surface integrated into connector shell</li> <li>*2 For use with code J in Body Style step</li> </ul>
Contact Gender	Key Coding
M Male pin S Female socket	NX Standard Key*
Body Style	* Contact Technical Sales for other keying options
C Plug housing*	Contact Plating
J Receptacle housing (jam nut)	X No contacts
* For use with code 00 and 10 in Termination step	A Gold flash
Termination	C         0.76μm [30μin] min Au over Ni           D         1.27μm [50μin] min Au over Ni

- 00 Wire, order contacts separately\*
- 10 Wire, crimp contacts included
- 30 Straight solder
- 40 Right angle solder

\* For use with code X in Contact Plating step

# CONTACTS

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

PART NUMBER	Size	Gender	Female Contact Style	Stranded AWG [mm <sup>2</sup> ]
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]

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