



TERRAPIN

USB-C CONNECTOR

AMPHENOL'S TERRAPIN SERIES IS NOW AVAILABLE WITH INTEGRATED USB-C CONNECTORS.

The latest addition to the widely specified TERRAPIN series is a USB-C connector system that combines proven sealing and ruggedised connector protection for off the shelf USB-C cables of almost any design. The cable mounting TERRAPIN incorporates a COTS USB-C cable. By providing a choice of two neoprene inserts most commercially available USB-C cables can be accommodated with cable jackets up to 7.1mm diameter and backshells up to 28.2x11.9x7.1mm. Square and sloping shoulder designs are accommodated equally easily. The panel mount connector incorporates an industry standard USB-C socket.

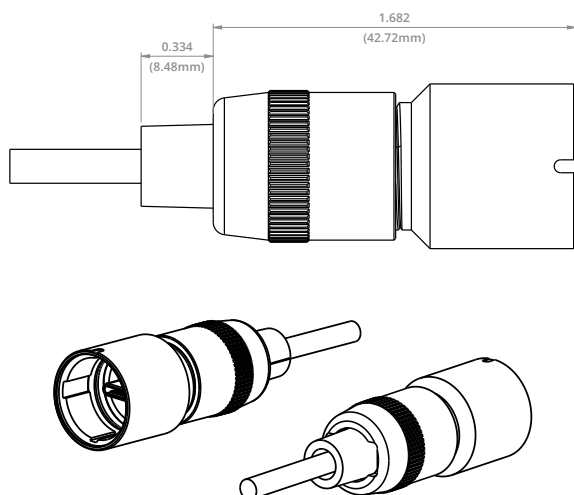
In response to the use of industry standard equipment that is being used more readily in military applications Amphenol Limited is offering new connector solutions as part of the effort to ruggedise computers, PDAs and GPS devices. The TERRAPIN series offers well proven performance in harsh environments and is used extensively for handheld equipment, C4ISR battlefield communications, video and data collection devices. Within a rugged shell design TERRAPIN offers superior EMC performance and high environmental sealing to IP68. Resilient in severe conditions the RoHS compliant platings are both low-lustre and corrosion resistant. Whatever the application TERRAPIN offers space savings and improved durability over traditional interconnect products.

KEY FEATURES

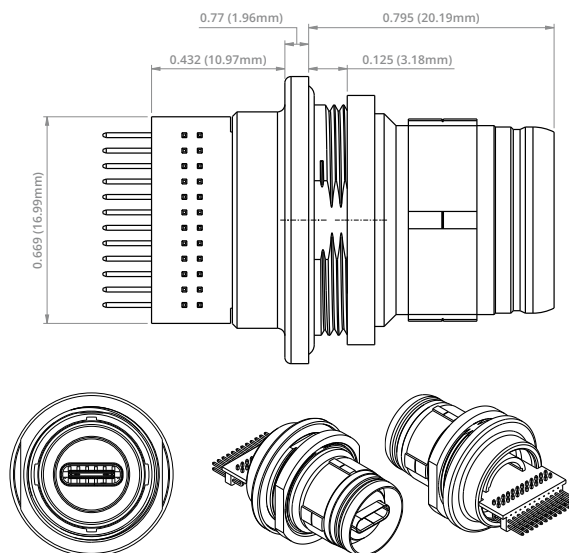
- Industry standard USB-C compatible
- IP68 environmental seal, mated 2 meters for 1 hour
- Ideal for ruggedisation of devices that utilise USB-C
- Available in lightweight Aluminium with Black Zinc Nickel or robust Brass with various finishes
- 1000 hours salt spray (Brass), 500 hours (Aluminium)
- Optional metal or rubber caps for dust and water ingress protection



RECEPTACLE CONNECTOR



PANEL PLUG



All dimensions are in inches (mm shown in brackets) and are for reference only. Figure enlarged scale.

PART NUMBERING

SERIES IDENTIFIER	PLATING FINISH	STYLE	SHELL SIZE	USB-C CONNECTOR	KEY ORIENTATION	VARIANT CODE
SCE2USB3-	X-	XXX	10	X	X-	XXX
SCE2USB3-	B = Brass with Black Silver (RoHS) F = Brass with Electroless Nickel (RoHS) M = Brass with Black Zinc Cobalt W = Brass with Cadmium Olive Drab ZN = Aluminium with Black Zinc Nickel (RoHS)	01T = Non-latched Receptacle 76A = Jam Nut Plug	10	M = USB-C Male F = USB-C Female	N = Normal A B C D	001 = PC Tails 003 = USB-C Cable Mounted

KIT CONTENTS

DESCRIPTION	QUANTITY
Main Shell with O-ring and Grounding Spring Fitted	1
Backshell	1
Large Neoprene Insert for Small USB-C Backshells	1
Small Neoprene Insert for Large USB-C Backshells	1
Face Seal	1
Split Washer	1

*USB-C cable not supplied

ACCESSORIES

PART NUMBER	DESCRIPTION	TERRAPIN CATALOGUE PAGE
390-5063-10-XXX-XX	Rubber Dust Cap Assembly for Receptacle	27
390-5064-10-XXX-XX	Rubber Dust Cap Assembly for Plug	28
390-5056-10-XXX-XX	Metal Dust Cap Assembly for Receptacle	25
390-5057-10-XXX-XX	Metal Dust Cap Assembly for Plug	26