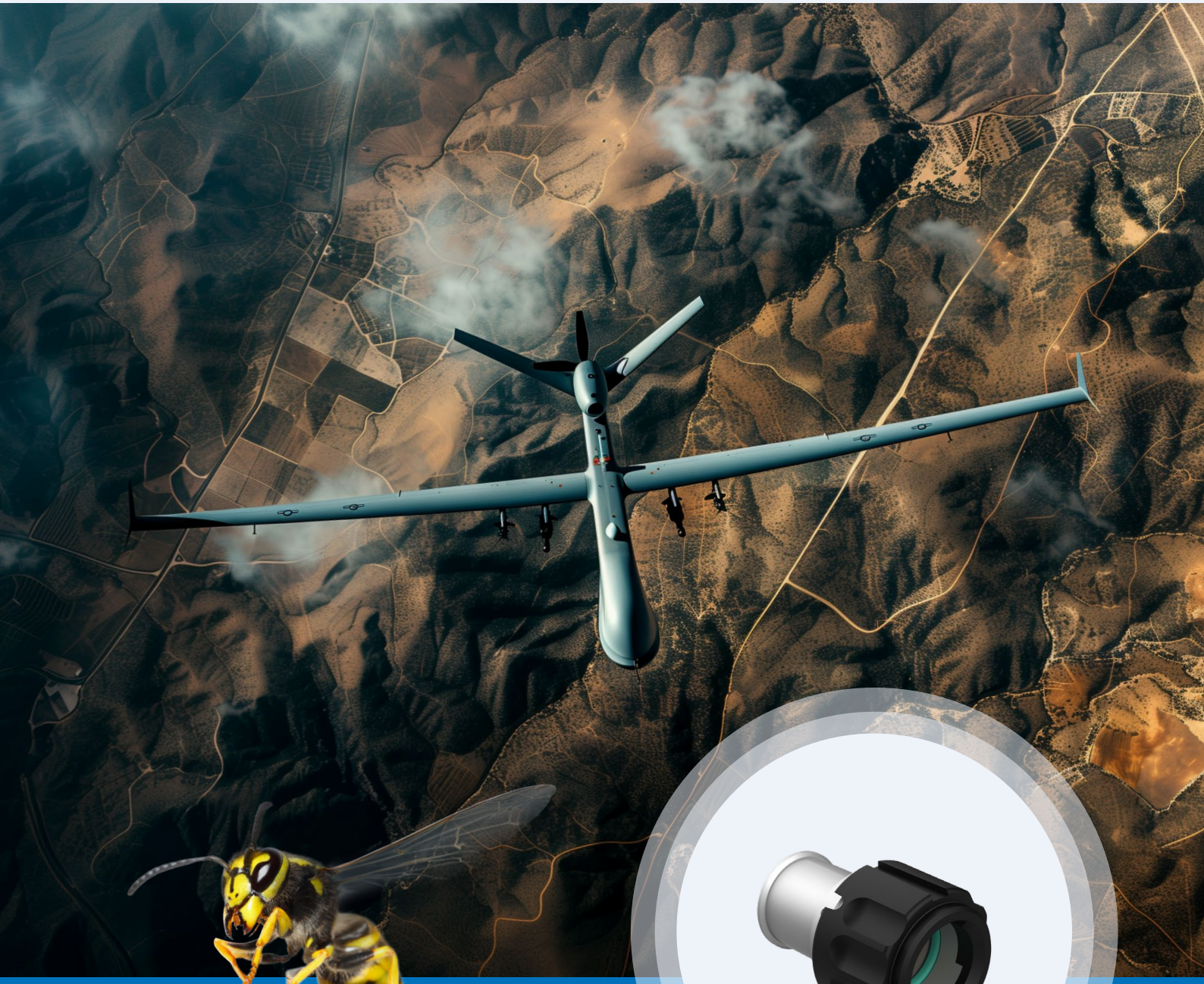
Amphenol

January 2026



WaSP

Durable, Lightweight, Low-Cost, Microminiature Circular Connector

WaSP

Designed for High-Volume Harsh Environment Applications that Prioritize Size, Weight, Power, and Cost (SWaP-C)

Based on our TERRAPIN SCE2 series, the new WaSP microminiature range takes the TERRAPIN's compact, rugged, lightweight design and optimizes it even further for high-volume SWaP-C applications.

The WaSP microminiature circular connector features a simplified interface designed for ease of use, quick mating, and affordability. With no jam nut and a 1/4 turn polymer locking ring, mating the WaSP is quick and easy. Its lightweight aluminum shell and locking ring ensures the WaSP only adds minimal weight to applications that prioritize lightweight designs, and its low-profile size ensures it will take up minimal space in your assembly.

The WaSP series is designed to operate in a range of harsh environments. It features IP67 environmental sealing, a passivation anti-corrosion layer, can operate in a temperature range of -55°C (-67°F) to + 85°C (185°F), and can withstand 96 hours of salt spray. Its environmental durability makes it optimal for a wide range of smaller platforms operating on land, in the air, or at sea.

WaSP is the ideal interconnect for high-volume, low-cost SWaP-C applications such as UAVs and drone swarm technologies, UGVs, communications systems, and more. Turn to WaSP for systems intended for production and use in highquantities that must strictly adhere to rigorous size, weight, power, and cost profiles.

Key features

- Lightweight aluminium shell
- Lightweight 1/4 turn polymer locking ring
- No jam nut
- Simplified geometry
- Passivation anticorrosion layer
- Sealed IP67
- 3 keying options



Performance data

Electrical	
Current Rating	23 AWG Contacts: 5A d.c. (subject to ambient temperature)
Shell to Shell Continuity	10mΩ
Contact Resistance	5mΩ initial 10mΩ maximum
Insulation Resistance	1000MΩ minimum, production tested to 500MΩ*
Working Voltage AC (RMS)	400V contact dependant
Dielectric Withstanding Voltage	2mA maximum leakage
Number of ways	7

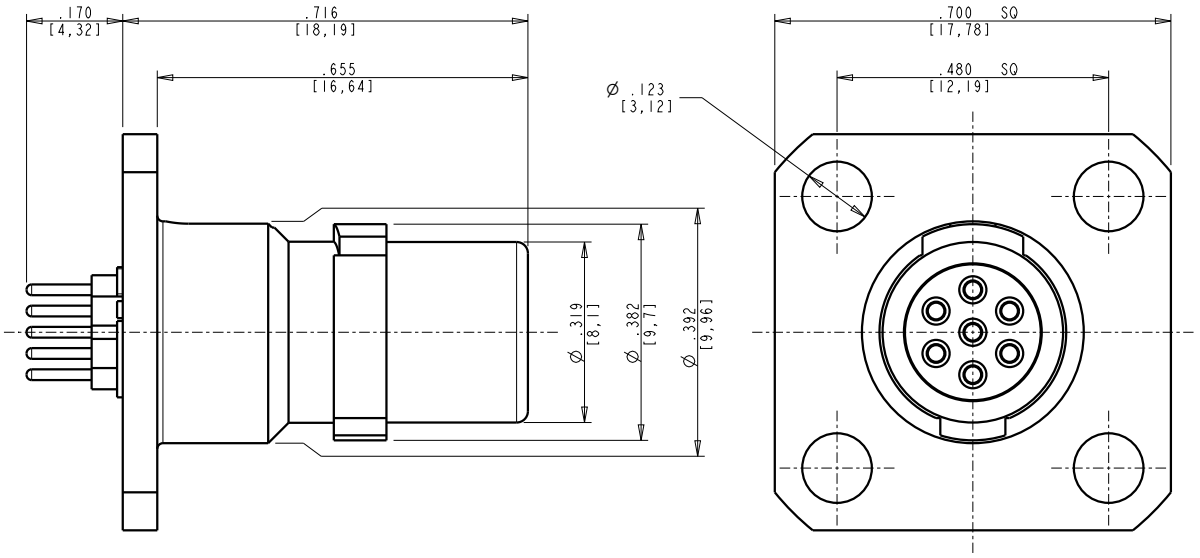
Technical	
Mating Durability	50 cycles minimum
Non-Magnetic	Yes

Environmental	
Operating Temperature Range	-55°C (-67°F) to + 85°C (185°F)
Sealing (Mated and Unmated)	IP67
Salt Spray	96 hours
RoHS Compliant	Yes
Suitable for RoHS compliant Soldering	Yes



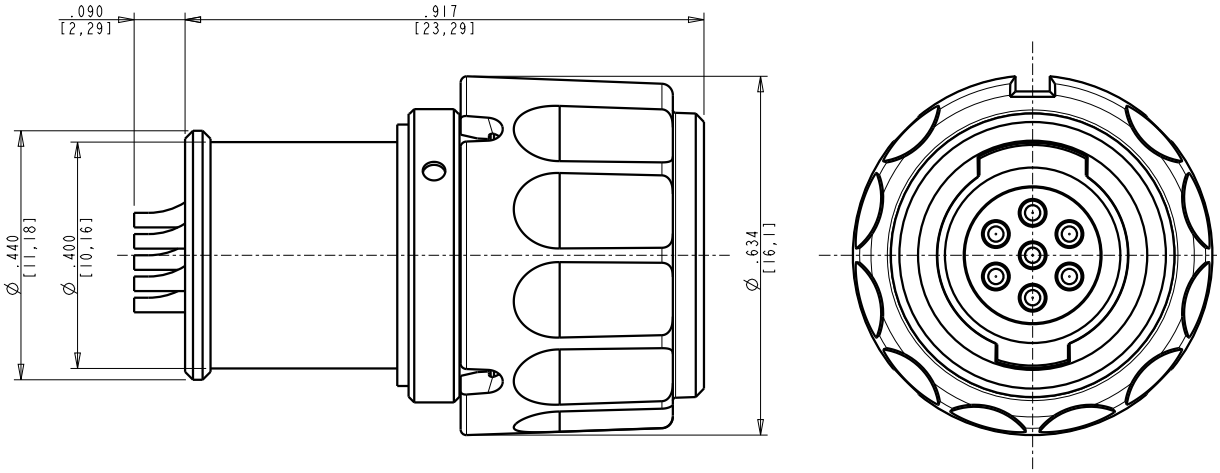
Wall mount receptacle 7 way

Weight: 4.0 Grams (0.141 ounces)



Cable mount plug 7 way

Weight: 5.4 Grams (0.191 ounces)

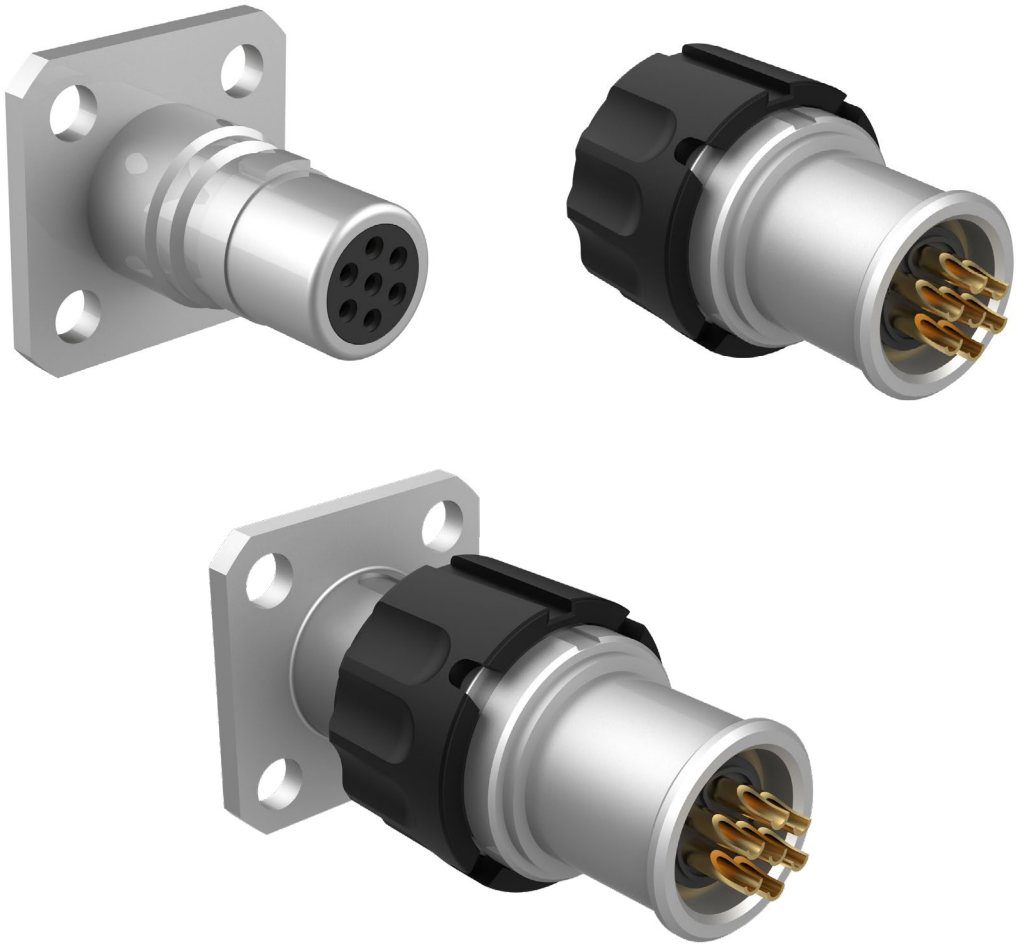


Part number builder

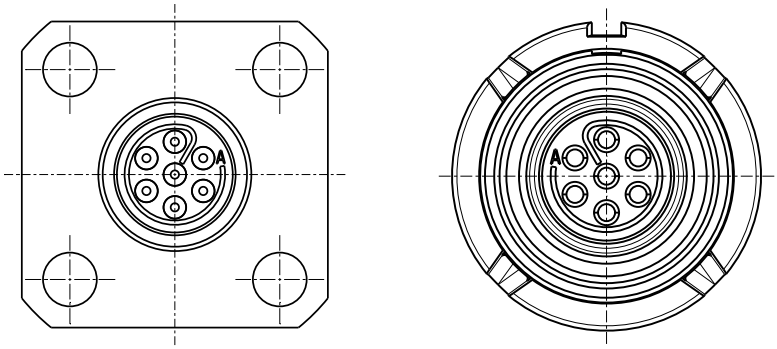
Example: WSP-06-06-07PN

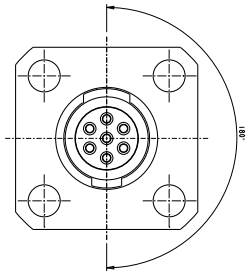
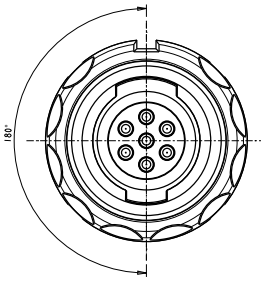
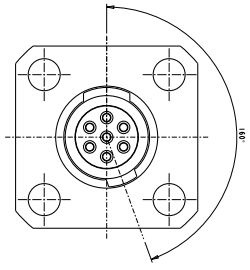
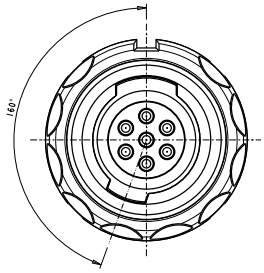
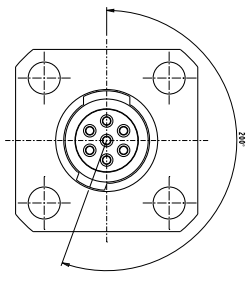
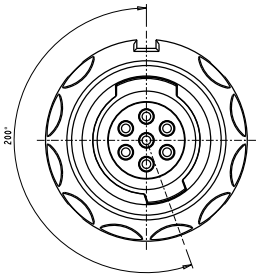
Series	Shell Style	Shell Size & Planform	Contact Style	Keyway Orientation
WSP	-XX	-XX-XX	X	X
WSP	**06:** Free (cable) **02:** Fixed (Equipment)	**06-07**	**P:** Pins* **S:** Sockets**	**N:** Normal **A** **B**

*Free connector supplied with pins & solder bucket termination
**Fixed connector supplied with sockets and PC tails termination



Insert layout View from rear of connector



Keyway orientation	Receptacle keyway orientation	Plug keyway orientation
N		
A		
B		

Notes

WaSP

Amphenol

An Amphenol Limited product

For more information call **+44 (0)1227 773200** or email **info@amphenol.co.uk**

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