

Amphenol

CWAP Connector: 4 Quadrax 38999 Connector



WE ARE

IN-FLIGHT ENTERTAINMENT & CONNECTIVITY

The perfect choice:

The Cabin Wireless Access Points units are providing airlines' crews and passengers alike a convenient and seamless access to Information, Data and Entertainment through Personal Electronic Devices or in-seat equipments.

Amphenol Socapex CWAP connector, with its dedicated 4 quadrax insert arrangement, is the perfect choice to achieve the expected level of performance, reliability and compliance to the ARINC standard.



FEATURES & BENEFITS

CONNECTORS:

- > Derived from MIL-DTL-38999 and EN3645
 - Size 19 connectors
 - Shell material and plating: aluminum with electroless nickel
 - Shell-to-shell bottoming
 - Grounding fingers on the plug shell
 - Completely mates and self-locks in a 360° turn of the coupling nut
 - Anti-decoupling device allows high vibration performance
- > Metallic insert to maintain ground plane with the connector shell for all the shielded contacts
- > Dedicated stand-off receptacle with integrated ground pin
- > Front Release / Front removable PCB pin contact on the receptacle side
- > Rear Release / Rear removable crimp socket contact on the plug side

QUADRAX:

- > Amphenol® Quadrax Contacts offers several advantages for high data transfer rates, low power consumption and excellent EMI compatibility:
 - > Four strategically spaced inner contacts form two 100 or 150 Ohm matched impedance differential pairs
 - > Outer contact has rugged wall section for durability
 - > Available in size 8 crimp termination style
 - > Also available in size 8 with PC tails

APPLICATION

- > Cabin **W**ireless **A**ccess **P**oint interconnect

HOW TO ORDER

Receptacle:

TVP00RGQF194APLC	Delivered without contact
TVP00RGQF194AP	Delivered with contacts (603228 in standard)

Plug:

TV06RGQF194ASLC	Delivered without contact
TV06RGQF194AS	Delivered with contacts (603116 in standard)

Quadrax:

PIN

603228	Front Release / Front removable PCB pin contact*
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SOCKET

Contact Size	Cable	Contact Part Number	Impedance (Ohms)	Inner conductor Gauge	Electrical Protocol	Crimping Tools	
						Inner contact	Outer contact
8	ABS0972 ABS1503KD24	603116**	100	24	Ethernet, 1000 Base-T, Gigabit Ethernet, ARINC664	M22520/2-01 with positionner K709	M22520/5-01 with Die set M22520/5-45 (Location A)
	Tensolite NF24Q100, NF24Q100-01, 24443/9P025X-4(LD), S280W502-4, 24443/03130X-4(LD), 24443/0120X-4(LD), NF24-2Q100, TYCO CECRWC-18664, GORE GSC-01-81869-01, 24443/03166X-4(LD), Thermax T956-4T200, Pic Wire E51424, Thermax MX100Q-24, NF24Q100 01-200C (Space), BMS13 72T03C04G024	603209**					M22520/5-01 with Die set M22520/5-45 (Location B)

* Please consult us for additional stick outs and terminations

** For other cable accommodation, please consult us