

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* |
|---------------|--|

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