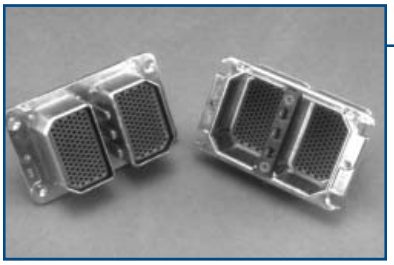
ARINC 404 Rack and Panel Connectors

Reference Amphenol Canada Brochure SL-378.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
'AR' Series Environmental and non-environmental application rack and panel connectors with crimp contacts.	Meet or exceed requirements of MIL-C-81659 and ARINC Specification 404.	Push-pull coupling for box/panel/rack mounting. Key posts are used for polarization positioning. Clinch nuts and floating bushings also used for mounting.	Crimp termination per MIL-C-39029B. Coax contacts are available. Single bay, double bay, triple bay and four bay insert styles available.	Operating temp. from –65°C to +125°C. Environmental sealing is accomplished by wire sealing grommets and interfacial seals. Contacts perform up to 500 cycles durability.

OPTIONAL FEATURES

- Five shell styles with up to four insert cavities available.
- Signal, power and coaxial contacts can be mixed in the insert arrangements.

MARKETS
- Commercial Aircraft
- MIlitary Avionics

ARINC 600 Rack and Panel Connectors

Reference Amphenol Canada Brochure SL-379.

APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
'A' Series Environmental and non-environmental application rack and panel connectors with crimp contacts. ARINC 600 is the successor to the ARINC 404 for many new avionic designs.	Designed per ARINC 600 specifications. Offers features beyond ARINC 400 Series: • lower mating force contacts • increased contact count • front release, floating keying system	Push-pull coupling for box/panel/rack mounting. Front removable key posts are used for polarization positioning. Clinch nuts and floating bushings also used for mounting.	Rear release crimp power/signal contacts. PCB, wire wrap, coax and concentric twinax contacts also available. Three shell size layouts with up to 800 size 22 contact positions available.	Operating temp. from –65°C to +125°C. Contacts perform up to 500 cycles of durability, as well as high vibration and low insertion forces. Resistant to vibration, shock and fluid immersion.

OPTIONAL FEATURES

- Shell size 1 - max. contact capacity is 160.
- Shell size 2 - max. contact capacity is 400.
- Shell size 3 - max. contact capacity is 800.
- Waveguide connections available.
- O-rings for environmental sealing and protective covers available.

MARKETS
- Commercial Aircraft
- MIlitary Avionics

RNJ & RNJLP Rack and Panel Connectors

Reference Amphenol Socapex Publication E115, RNJ and E124, RNJLP.

RNJ

RNJLP

APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Cylindrical connector used to connect electrical and optical devices between a moving unit (rack) and a fixed unit (panel) without any coupling/uncoupling device. For environmental applications. Space saving between the 2 panels (same distance as ARINC 404 for the square flange version). The RNJLP offers 20% weight saving compared with RNJ.	Insert arrangements per MIL-DTL-38999 Series I and III. Insert arrangements for power available. (See page 13).	For rack and panel mounting with integrated realignment capability.	Crimp termination per MIL-C-39029. PCB and wire wrap contacts and fiber optic termini are also available.	Operating temp. from –65°C to +175°C. Provides moisture and corrosion resistance and EMI shielding. Contacts perform up to 500 cycles durability. Connector shells are grounded prior to contact engagement. RNJLP offers: Mechanical protection of the peripheral membrane and improved sealing performance.

OPTIONAL FEATURES

- Jam nut receptacle and plug styles offered in eight shell sizes.
- 1 to 128 contacts available.

MARKETS
- Military Aerospace
- Military Vehicles
- Advanced Industrial