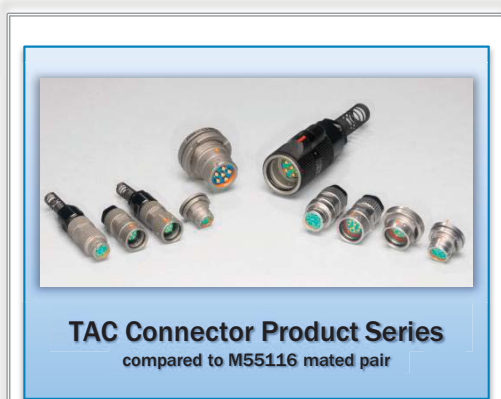


TAC CONNECTORS

Miniature M55116-Type Connectors



New military and commercial applications are demanding a reduction in connector size and weight without a loss of performance. Amphenol has met that demand with its new Miniature M55116-Type **TAC Connectors** for soldier-worn applications, radio systems, and ruggedized communications systems. **TAC Connectors** are designed and manufactured to the exacting specifications of MIL-DTL-55116 requirements at half the size of the standard connectors. Amphenol **TAC Connectors** are the ideal choice to reduce size and weight and still maintain many of the same performance benefits wherever a M55116 connector is needed on a newly designed system.

Features

- Both plug and receptacle are **50% smaller** than the standard M55116 connectors (M55116/4 and M55116/10, as a comparison)
- Standard plugs have rigid contacts; jacks have spring-loaded contacts with solder cup terminals
- Molded-in spring-loaded contacts provide self-cleaning feature and eliminate issues with pin/socket open contacts
- Standard wire strain relief accommodates .125 & .250 cable diameter

Options

- **Shell Styles**
 - In-Line Plug
 - Panel-Mount Plug
 - In-Line Jack
 - Panel-Mount Jack
- **# of Contacts**
 - 6-pin
 - 7-pin
 - 10-pin
- **In-Line Rear Accessories**
 - Wire Strain Relief
 - Over-Molded
- **Contact Types**
 - Solder Cup
 - PCB

Available Part Numbers

Part Number	Connector Style
MAP-56-30	6-Conductor Plug
MAP-57-30	7-Conductor Plug
MAP-56-50	6-Conductor Plug (for Overmolding)
MAP-57-50	7-Conductor Plug (for Overmolding)
MAJ-16-00	6-Conductor Panel Mount Jack
MAJ-17-00	7-Conductor Panel Mount Jack
MAJ-56-30	6-Conductor In-Line Jack
MAJ-57-30	7-Conductor In-Line Jack
MAP-60-50	10-Conductor Plug (for Overmolding)
MAP-60-00	10-Conductor Panel-Mount Plug
MAJ-60-50	10-Conductor In-Line Jack (for Overmolding)
MAJ-60-00	10-Conductor Panel-Mount Jack

*contact Amphenol Japan for new design needs

Technical Specifications

Shell:	Stainless Steel, Passivated
Finish:	Sand Blast, finish type E300 IAW MIL-F-14072
Mating:	Bayonet Coupling
Temperature:	-55°C to +85°C
Insert Material:	Thermoset Plastic
Contacts:	Gold-plated Brass / Silver-plated BeCu (Springs)
Current Rating:	0.5 amperes
Voltage Rating:	60V max
Dielectric Withstanding Voltage; Sea Level:	500V
Insulation Resistance:	1000 megaohms min, except for connectors unmated after immersion test shall not be less than 100 megaohms
Contact Resistance:	.050 Ω max

Contact Amphenol Japan for pricing, availability, or other technical questions.