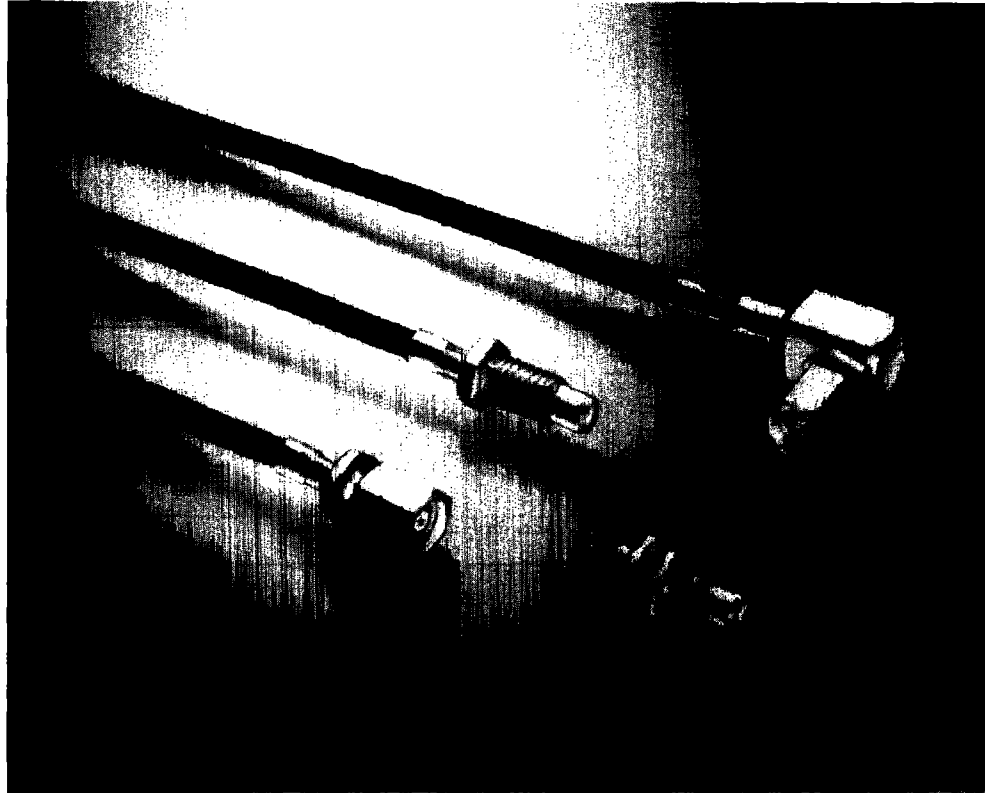


SMC Connectors

Product Facts

- Three-piece design
- Fast, clean cable assembly
- Center contacts mounted on tape for ease of handling
- Connector bodies preassembled
- Solderless termination—no danger of heat damage
- Center conductor and braid terminated with same tool
- Low noise level
- Miniature screw-on coupling
- TEFLON dielectric



The AMP SMC Connector is miniature and lightweight, especially designed for use in critical applications where limited space and vibration are of major concern.

This connector is designed in accordance with the requirements of Specification MIL-C-39012, Class II, Category B to provide the highest standards of electrical and mechanical performance. It has a constant impedance of 50 ohms, a voltage rating of 350 volts and provides

excellent operation at frequencies up to 10 GHz. It also has a threaded coupling and can be used with a wide range of miniature coaxial cable sizes including RG-174, 179, 187, 188 and 316.

To reduce the difficulties of assembly inherent in this type of connector, the polarized center contacts are tape mounted for easy assembly and termination. This unique feature saves in both labor and time, resulting in low overall applied costs.

SMC Connectors

(Continued)

Plugs



Connector Cable Range Selection Code†	RG/U Cable	Part No.	Integral Die Hand Tool	Die Insert for Pneumatic Tool 69365
A	178, 178A, 178B 196, 196A	51749-2	220020-1	220018-1
B	174, 316 188, 188A	51749-1	220020-1	220018-1
	RD188, 316	1-51749-0		
B1	179, 179A, 179B 187, 187A, 161 Belden 9221	51749-5	220020-1	220018-1

†Refer to Appendix Pages for code specifications.

Jacks



Connector Cable Range Selection Code†	RG/U Cable	Part No.	Integral Die Hand Tool	Die Insert for Pneumatic Tool 69365
A	178, 178A, 178B 196, 196A	51750-2	220020-1	220018-1
B	174, 316 188, 188A	51750-1	220020-1	220018-1
B1	179	51750-3	220020-1	220018-1

†Refer to Appendix Pages for code specifications.

Bulkhead Jacks



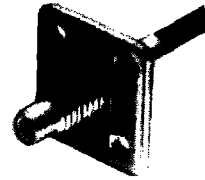
Connector Cable Range Selection Code†	RG/U Cable	Part No.	Integral Die Hand Tool	Die Insert for Pneumatic Tool 69365
A	178, 178A, 178B 196, 196A	51751-2	220020-1	220018-1
B	174, 316 188, 188A	51751-1	220020-1	220018-1
B1	179, 179A, 179B 187, 187A, 161	51751-3	220020-1	220018-1

†Refer to Appendix Pages for code specifications.

SMC Connectors

(Continued)

Panel Jacks



Connector Cable Range Selection Code†	RG/U Cable	Part No.	Integral Die Hand Tool	Die Insert for Pneumatic Tool 69365
A	178, 178A, 178B 196, 196A	51752-2	220020-1	220018-1
B	174, 316 188, 188A	51752-1	220020-1	220018-1

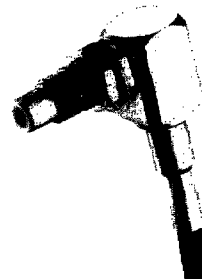
†Refer to Appendix Pages for code specifications.

Right-Angle Plug, Bulkhead Jack and One-Step Solder Plug

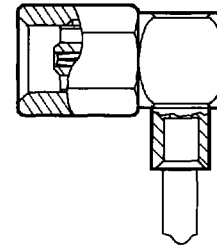
Plug



Bulkhead Jack



One-Step Solder Plug*



Connector Cable Range Selection Code†	RG/U Cable	Part No.			Integral Die Hand Tool	Die Insert for Pneumatic Tool 69365
		Right-Angle Plug	Right-Angle Bulkhead Jack	Right-Angle One-Step Solder Plug		
A	178, 178A, 178B 196, 196A	51753-2	—	—	220020-1	220018-1
B	174, 316 188, 188A	51753-1	51754-1	—	220020-1	220018-1
B1	179, 179A, 179B 187, 187A, 161	51753-4	—	—	220020-1	220018-1
P	405 Semi-Rigid/ .086 [2.18]	—	—	49535-1	—	—
—	RD-316 188 Double Shield	51753-9	—	—	220020-2	220194-1

†Refer to Appendix Pages for code specifications.

*Note: Maximum frequency for Right-Angle One-Step Solder Plug is 26.5 GHz.

Bulkhead Solder Jacks

Note: Maximum panel thickness .096 [2.44].

Front Mount



Part No. 227633-1

Rear Mount



Part No. 227632-1

SOURCE: Catalog 82074

**Specifications
subject to change.**

1-800-522-6752
Product Information Center/ AMP FAX Service

1-800-722-1111
Tooling/Technical Assistance Center