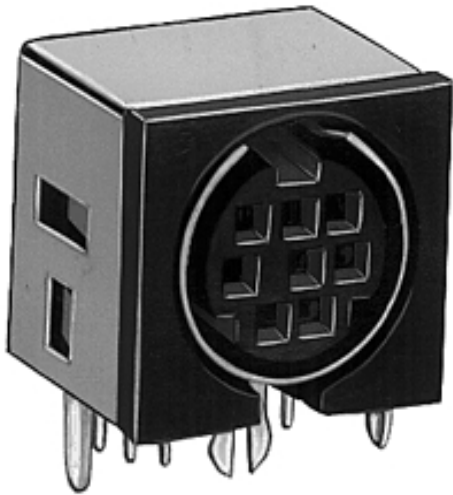


MINI DIN RIGHT ANGLE RECEPTACLES



Miniature DIN rightangle connectors are designed for personal computer, video and data communications, medical and instrumentation equipment and systems.

RIGHT-ANGLE, PC MOUNT RECEPTACLES

Available with 3 through 8 contacts, female only, receptacles also have a standard (and separate) ground contact system. Ground terminal can be straight or snap type. Snapin terminals are bifurcated to assure tight hold down on PC board before, during and after soldering. Solder wicking around the terminal strengthens the connection. Additionally, PC terminals are staggered to assure more "hold down" capability during soldering.

Receptacle/plug retention is "friction" type, and a separate outer shield can be specified.

Series SMD*FRAX10; 3 through 8 contacts, female, rightangle PC mount, straight ground terminal, and no outer shield.

Series SMD*FRAX20; Same as SMD*FRAX10, except with bifurcated snapin ground terminal.

Series SMD*FRAX11; 3 through 8 contacts, female, rightangle PC mount, straight ground terminal, and outer shield.

Series SMD*FRAX21; Same as SMD*FRAX11, except with snapin ground terminal.

Dimensions: .552 inch (14 mm) wide x .502 inch (12.8 mm maximum depth x .642 inch (16.3 mm) height, including terminals.

SPECIFICATIONS

- Ratings:** 1A, 100 VAC; 2A, 12 VDC.
Insulation Resistance: 50 M(omega) minimum
Dielectric Strength: 250 VDC for 1 minute.
Contact Resistance: 30 m(omega) maximum
Insertion/Withdrawal Force: 0.8 to 5 kilograms
Withdrawal Force: 0.8 to 4 kilograms
Contacts/Terminals: Copper alloy, silver or goldplated
Ground Terminal: Copper alloy, nickelplated.
External Shield: Copper alloy, soldercoated.
Body: Black molded thermoplastic, UL 94V0.

ORDERING INFORMATION

MINIATURE RIGHT-ANGLE PC RECEPTACLES - UNSHIELDED

Part Numbers		Contacts	External Shield	Snap-In Ground Terminal
Gold ¹	Silver ¹			
SMD3FRA010	SMD3FRA110	3	No	No
SMD4FRA010	SMD4FRA110	4		
SMD5FRA010	SMD5FRA110	5		
SMD6FRA010	SMD6FRA110	6		
SMD7FRA010	SMD7FRA110	7		
SMD8FRA010	SMD8FRA110	8		

MINIATURE RIGHT-ANGLE PC RECEPTACLES - SHIELDED

Part Numbers		Contacts	External Shield	Snap-In Ground Terminal
Gold ¹	Silver ¹			
SMD3FRA011	SMD3FRA111	3	Yes	No
SMD4FRA011	SMD4FRA111	4		
SMD5FRA011	SMD5FRA111	5		
SMD6FRA011	SMD6FRA111	6		
SMD7FRA011	SMD7FRA111	7		
SMD8FRA011	SMD8FRA111	8		

MINIATURE RIGHT-ANGLE PC RECEPTACLES - SHIELDED WITH SNAP-IN GROUND TERMINAL

Part Numbers		Contacts	External Shield	Snap-In Ground Terminal
Gold ¹	Silver ¹			
SMD3FRA021	SMD3FRA121	3	Yes	Yes
SMD4FRA021	SMD4FRA121	4		
SMD5FRA021	SMD5FRA121	5		
SMD6FRA021	SMD6FRA121	6		
SMD7FRA021	SMD7FRA121	7		
SMD8FRA021	SMD8FRA121	8		

MINIATURE RIGHT-ANGLE PC RECEPTACLES - UNSHIELDED WITH SNAP-IN GROUND TERMINAL

Part Numbers		Contacts	External Shield	Snap-In Ground Terminal
Gold ¹	Silver ¹			
SMD3FRA020	SMD3FRA120	3	No	Yes
SMD4FRA020	SMD4FRA120	4		
SMD5FRA020	SMD5FRA120	5		
SMD6FRA020	SMD6FRA120	6		
SMD7FRA020	SMD7FRA120	7		
SMD8FRA020	SMD8FRA120	8		

1 Contact/pin plating, see "Specifications."

[click here to download a schematic drawing](#)
(you will need to have Adobe Acrobat installed on your system to do this)



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All products shown are covered by Switchcraft's limited lifetime warranty.