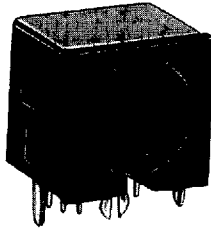


DIN RECEPTACLES (continued)

MINI-DIN RIGHT-ANGLE RECEPTACLES



Miniature DIN right-angle 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-in type. Snap-in 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, right-angle PC mount, straight ground terminal, and no outer shield.

Series SMD*FRAX20; Same as SMD*FRAX10, except with bifurcated snap-in ground terminal.

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

Series SMD*FRAX21; Same as SMD*FRAX11, except with snap-in 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 MΩ minimum

Dielectric Strength: 250 VDC for 1 minute.

Contact Resistance: 30 mΩ maximum

Insertion/Withdrawal Force: 0.8 to 5 kilograms

Withdrawal Force: 0.8 to 4 kilograms

Contacts/Terminals: Copper alloy, silver or gold-plated

Ground Terminal: Copper alloy, nickel-plated.

External Shield: Copper alloy, solder-coated.

Body: Black molded thermoplastic, UL 94V-0.

ORDERING INFORMATION

MINIATURE RIGHT-ANGLE PC RECEPTACLES—UNSHIELDED

Part Numbers		Con-tacts	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		Con-tacts	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

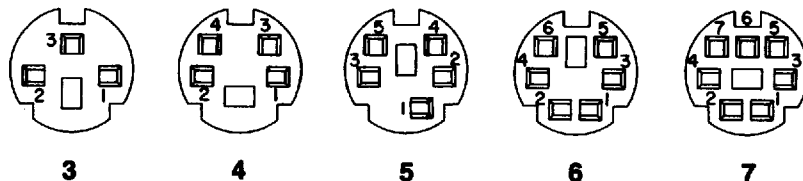
Part Numbers		Con-tacts	External Shield	Snap-In Ground Terminal
Gold ¹	Silver ¹			
SMD3FRA021	SMD3FRA121	3	Yes	Yes
SMD4FRA021	SMD4FRA121	4	-	-
SMD5FRA021	SMD5FRA121	5	-	-
SMD6FRA021	SMD6FRA121	6	-	-
SMD7FRA021	SMD7FRA121	7	-	-
SMD8FRA021	SMD8FRA121	8	-	-

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

Part Numbers		Con-tacts	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."

CONTACT ARRANGEMENTS (viewed from contact side)

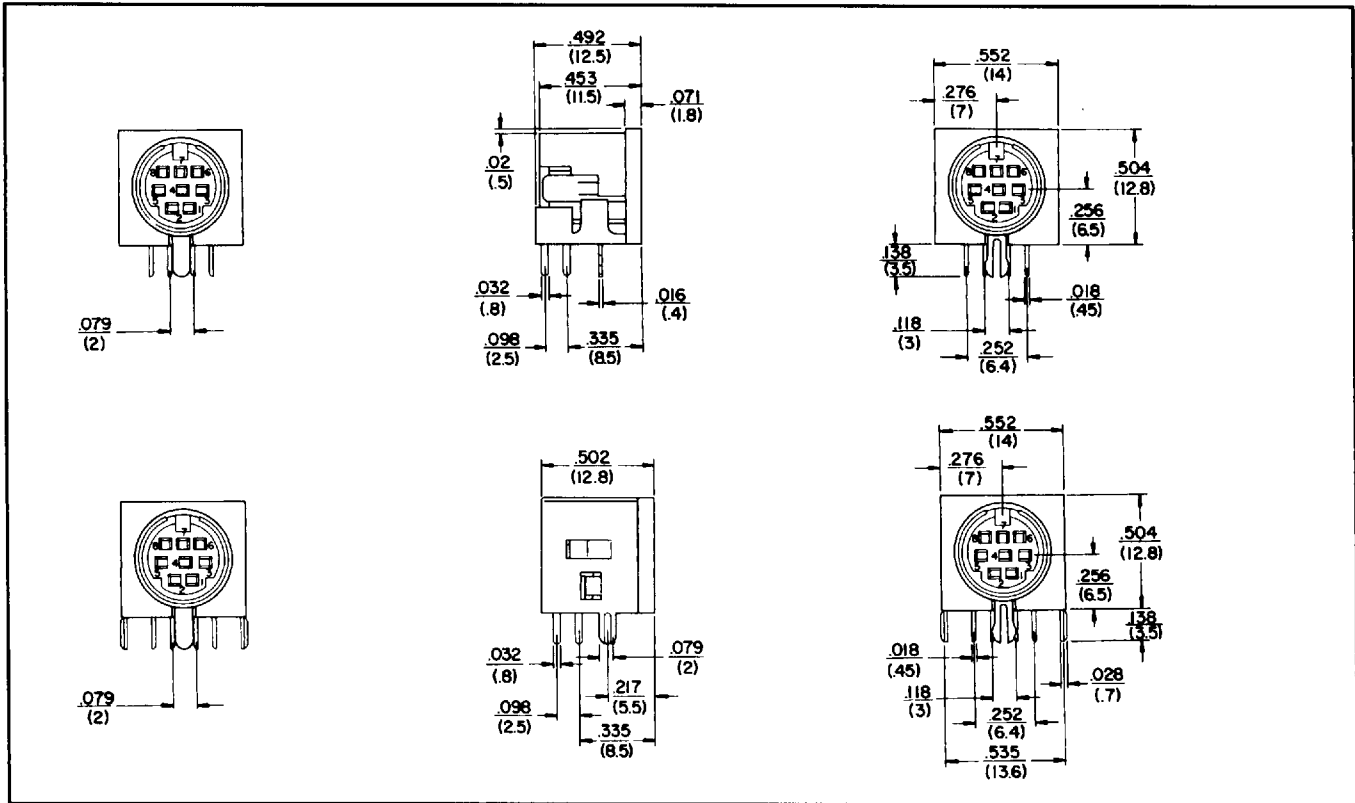


DIMENSIONS ARE FOR REFERENCE ONLY $\frac{\text{Inch}}{\text{(mm)}}$

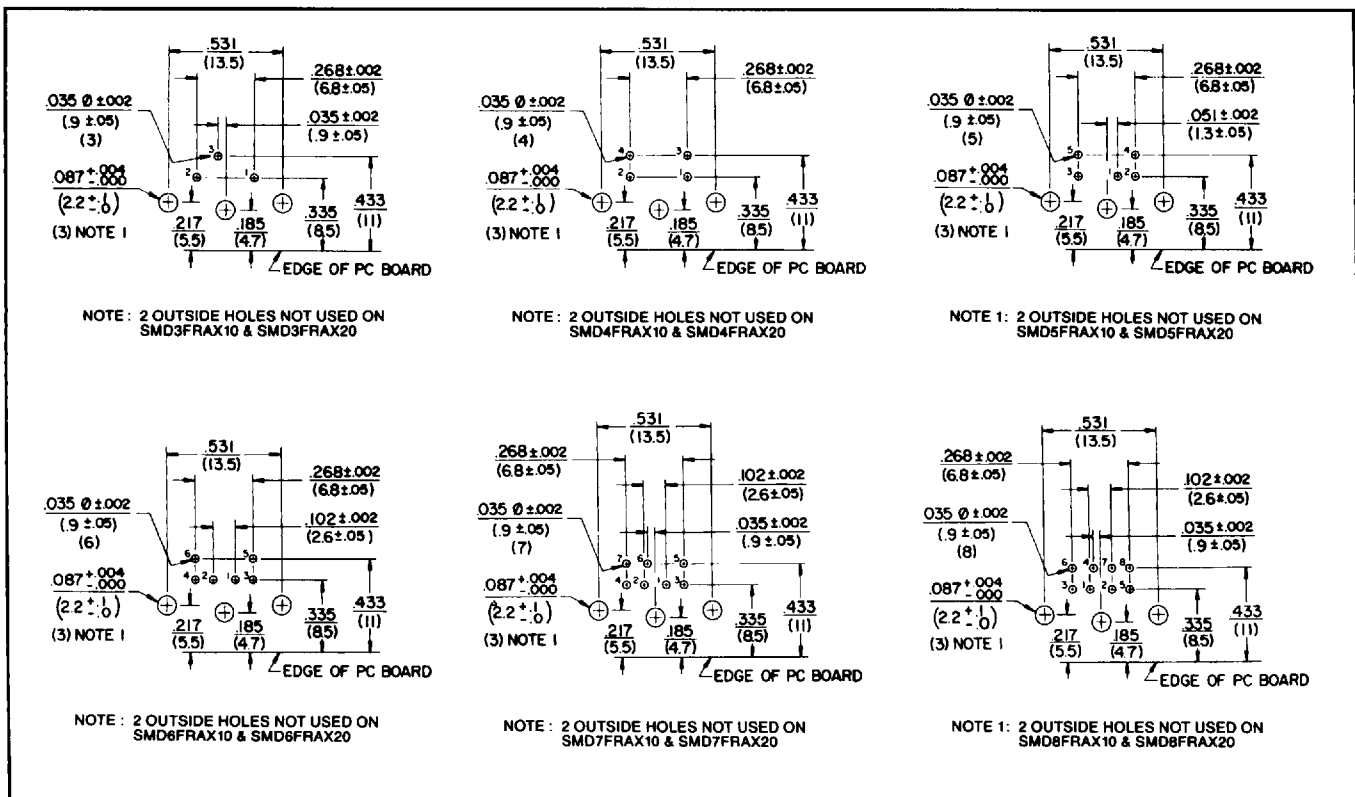
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DIMENSIONAL DRAWINGS



RECOMMENDED PC BOARD LAYOUTS (VIEWED FROM COMPONENT SIDE)



DIMENSIONS ARE FOR REFERENCE ONLY $\frac{\text{Inch}}{\text{(mm)}}$

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