

Performance and Material Specifications

MATERIALS AND FINISHES

Shell	Steel, Tin Plated
Insulator	Glass Filled Thermoplastic, UL 94V-0
Pin Contacts	Copper Alloy, Plated Gold over Nickel
Socket Contacts	Phosphor Bronze, Plated Gold over Nickel

MECHANICAL FEATURES

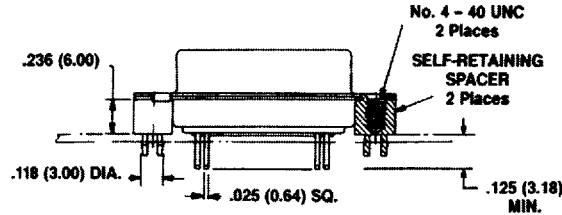
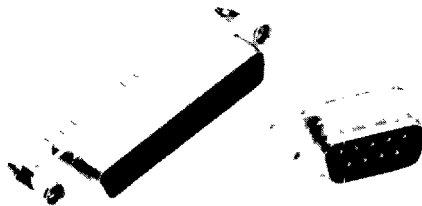
Coupling	Friction and lock accessories
Polarization	Keystone-shaped shells
Termination	Printed circuit

PERFORMANCE SPECIFICATIONS

Temperature Range	-55°C to 105°C
Current Rating	5 Amps
Dielectric Withstanding Voltage	1000V AC (for 1 min.)
Insulation Resistance	15 mΩ min. (at 500V DC)
Contact Resistance	15 mΩ max. (mated)

Dimensions/Part Numbers – Stamped Contacts

With or without integral board standoff
PCB Thickness up to .092 (2.34)



NOTE: Section of side view and the engaging face view are designed to show configurations of both pin and socket

PCB Hole Patterns – Pages 14-15

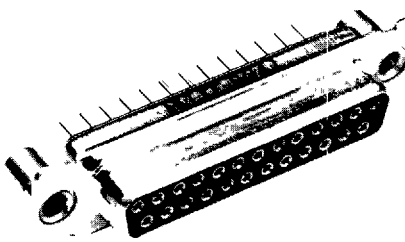
Number of Contacts (Shell Size)		Part Number	
		With Standoff	Without Standoff
9 (E)	Plug	ADEZ9POL2	ADE9POL2
	Rec.	ADEZ9SOL2	ADE9SOL2
15 (A)	Plug	ADAZ15POL2	ADA15POL2
	Rec.	ADAZ15SOL2	ADA15SOL2
25 (B)	Plug	ADBZ25POL2	ADB25POL2
	Rec.	ADBZ25SOL2	ADB25SOL2
37 (C)	Plug	ADCZ37POL2	ADC37POL2
	Rec.	ADCZ37SOL2	ADC37SOL2
50 (D)	Plug	ADDZ50POL2	ADD50POL2
	Rec.	ADDZ50SOL2	ADD50SOL2

Consult factory for High Density Straight PC

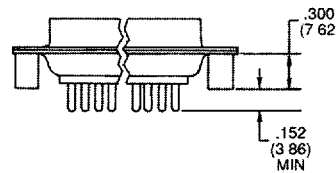
Dimensions/Part Numbers – Machined Contacts

Straight PC Tail, Receptacles (Includes Socket Contacts)
With .120 (3.15) Through-Mounting Holes.

Compatible With Straight PCB Combo D®.
PCB Thickness up to .125 (3.18)



Printed Circuit Applications



NOTE: All connectors come with .300 (7.62) standoffs attached

Layout	Compliant Boardlock:		30μ in. Gold No	30μ in. Gold Yes
	Gold Over Nickel No	Gold Over Nickel Yes		
DE-9S	DEM9SNA197	DEM29SNA197	DEM9SNK126	DEM29SNK126
DE-9P	DEM9PNK87	DEM29PNK87	DEM9PNK127	DEM29PNK127
DA-15S	DAMV15SNA197	DAMZ15SNA197	DAMV15SNK126	DAMZ15SNK126
DA-15P	DAMV15PNK87	DAMZ15PNK87	DAMV15PNK127	DAMZ15PNK127
DB-25S	DBMV25SNA197	DBMZ25SNA197	DBMV25SNK126	DBMZ25SNK126
DB-25P	DBMV25PNK87	DBMZ25PNK87	DBMV25PNK127	DBMZ25PNK127
DC-37S	DCMV37SNA197	DCMZ37SNA197	DCMV37SNK126	DCMZ37SNK126
DC-37P	DCMV37PNK87	DCMZ37PNK87	DCMV37PNK127	DCMZ37PNK127
DD-50S	DDMV50SNA197	DDMZ50SNA197	DDMV50SNK126	DDMZ50SNK126
DD-50P	DDMV50PNK87	DDMZ50PNK87	DDMV50PNK127	DDMZ50PNK127

Performance Specifications – Page 11

For Tin Plated Contacts, Add – A220

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Highlighted part numbers indicate standard product; usually available with shorter lead times

Board Mounted D

Machined Contacts

Performance and Material Specifications

PERFORMANCE SPECIFICATIONS

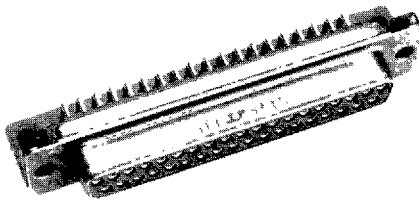
Wire Accommodation (AWG)	Solder - #20 Max. Crimp - #18-#28 Max.
Current Rating	#20; 5 Amp
Temperature Rating	-55°C to +150°C
Contact Resistance After Salt Spray, Millivolt Max.	55 @ 7.5 Amp test current

MATERIALS AND FINISHES

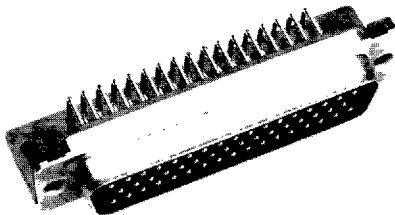
Description	Material	Finish
Shell	Steel per ASTM A-620	Tin
Insulator	Diallyl phthalate glass-filled per MIL-M-14, type SDG-F, color green, or thermoplastic	—
Contact	Copper alloy	Gold over nickel

High-Rel Printed Circuit Mount Connectors (PCB Thickness Up to .125")

Right Angle PC Tail Receptacles, With Bracket
(.120 [3.15] Through-Holes Only)



Right Angle PC Tail Plug, With Bracket
(.120 [3.15] Through-Holes Only)

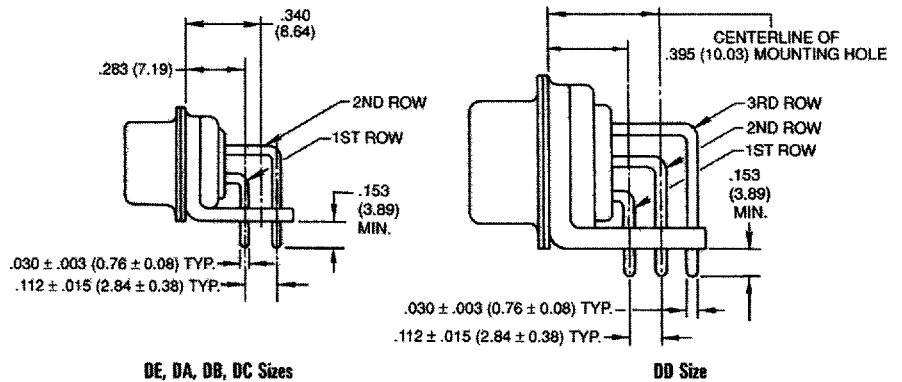


	Gold Over Nickel	30μ in. Gold
DE-9S	DEM9STA197	DEM9STK126
DE-9P	DEM9PTK87	DEM9PTK127
DA-15S	DAM15STA197	DAM15STK126
DA-15P	DAM15PTK87	DAM15PTK127
DB-25S	DBM25STA197	DBM25STK126
DB-25P	DBM25PTK87	DBM25PTK127
DC-37S	DCM37STA197	DCM37STK126
DC-37P	DCM37PTK87	DCM37PTK127
DD-50S	DDM50STA197	DDM50STK126
DD-50P	DDM50PTK87	DDM50PTK127

Tin Plated PC Tails, Add - A220

Dimensions - Right Angle 90° D Subminiature

Connectors with brackets cannot be ordered with float mounts or clinch nuts.

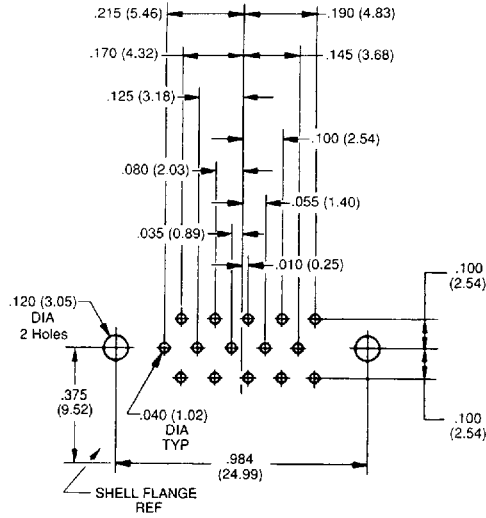


PCB Hole Patterns - Pages 14-15

Right Angle and Straight D

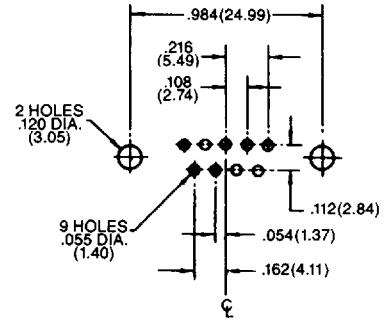
PC Board Mounting Specifications

Shell Size E



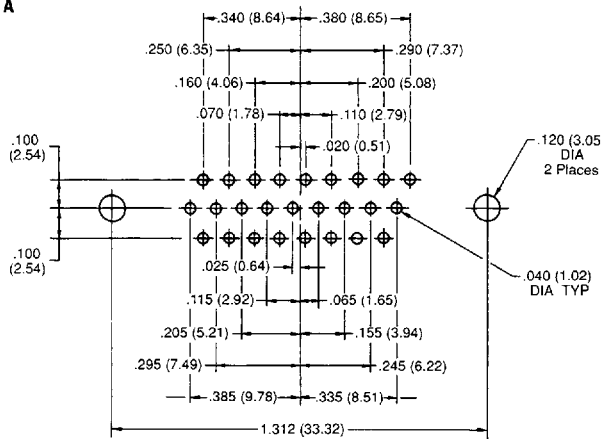
**15 Positions
High Density**

Note: Hole patterns shown are for plug connector assembly only. For receptacle connector assembly, hole pattern is a mirror image.

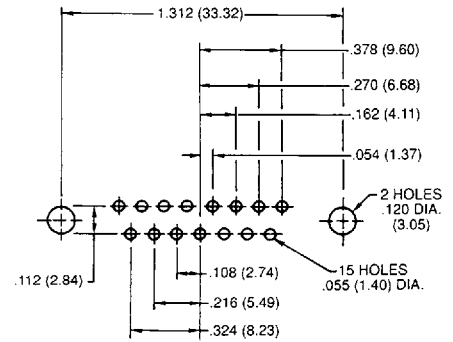


**9 Positions
Standard**

Shell Size A

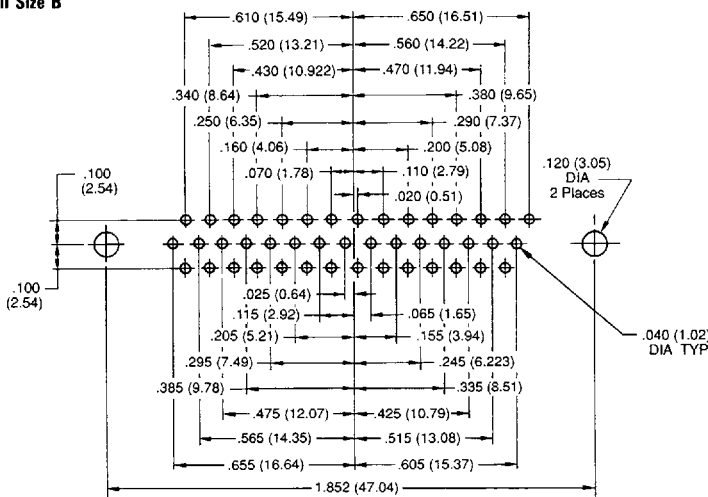


**26 Positions
High Density**

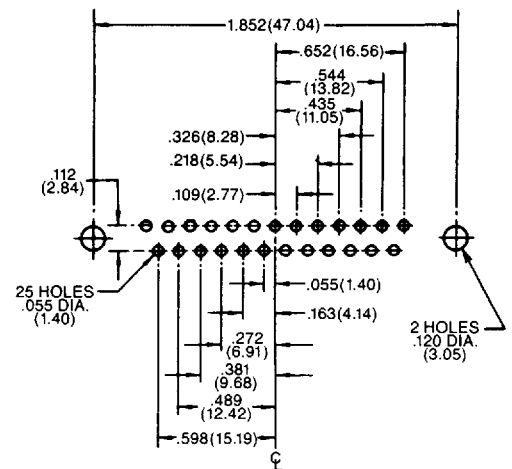


**15 Positions
Standard**

Shell Size B



**44 Positions
High Density**



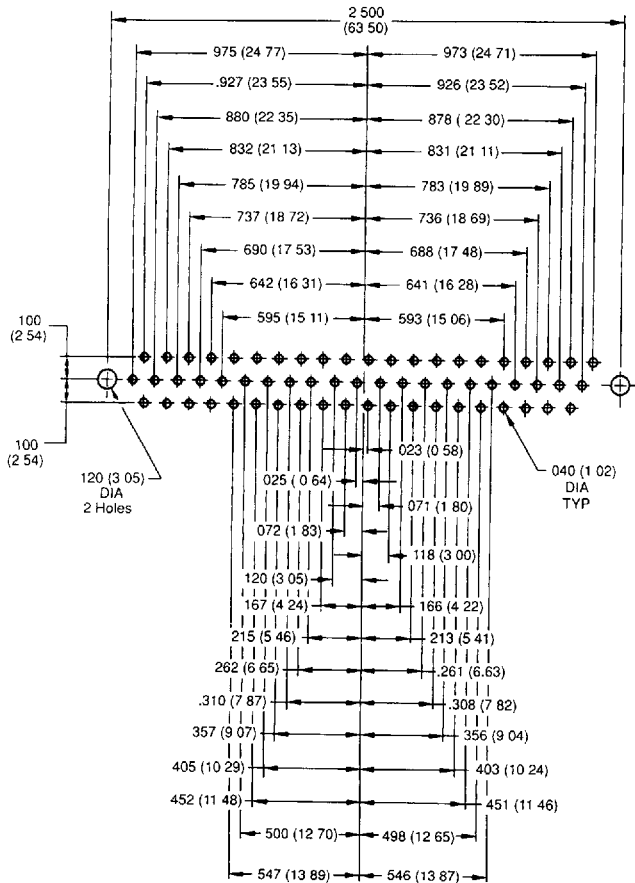
**25 Positions
Standard**

Board Mounted D

Right Angle and Straight D

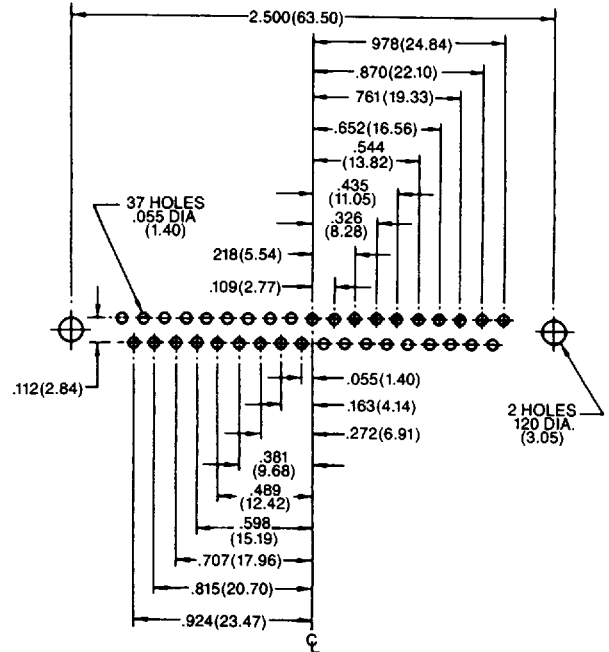
PC Board Mounting Specifications

Shell Size C



**62 Positions
High Density**

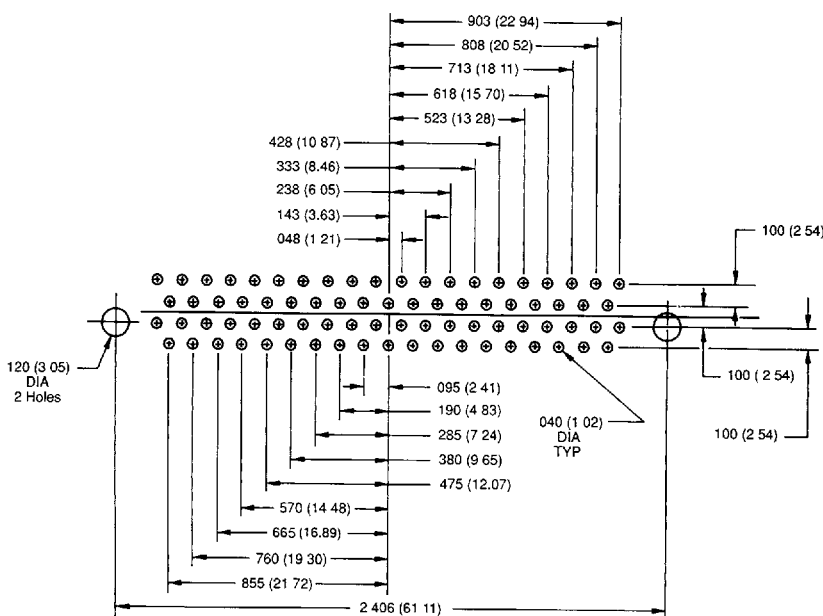
Note: Hole patterns shown are for plug connector assembly only. For receptacle connector assembly, hole pattern is a mirror image.



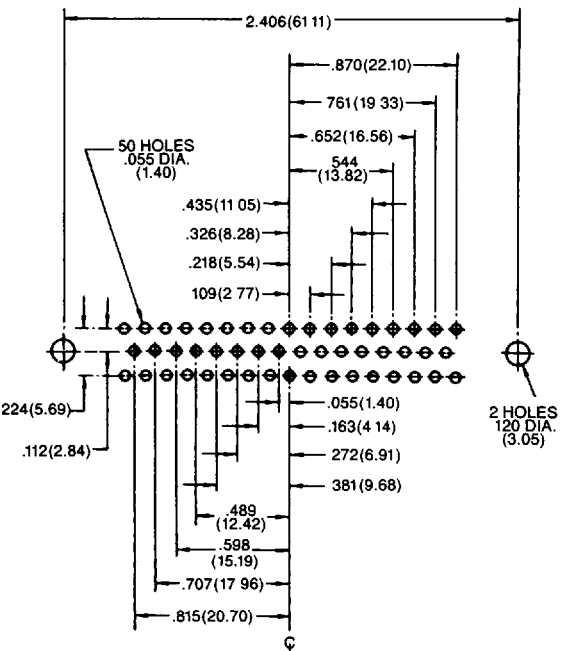
**37 Positions
Standard**

Board Mounted D

Shell Size D



**78 Positions
High Density**



**50 Positions
Standard**

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Dimensions are shown in inches (millimeters).
Dimensions subject to change.