



**MODS-D, MODS-E SERIES**

# SINGLE VERTICAL & SMT MODULAR JACKS

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?MODS-D](http://www.samtec.com?MODS-D)

**Insulator Material:** Nylon 46/ PBT Glass Filled (Nylon for -SM, PBT for -TH)  
**Contact Material:** Phosphor Bronze  
**Shield Material:** Copper Alloy  
**Plating:** Gold on Contacts, Nickel on Shield, Tin on Tails  
**Operating Temp Range:** -25°C to +90°C  
**Current Rating:** 1.5 A per contact  
**Voltage Rating:** 120 VAC  
**Contact Resistance:** 20 mΩ max  
**Minimum Cycles:** 500  
**System Applications:** CAT3  
**Packaging:** Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:** -SM=Yes -TH=Yes (Wave Solder only)



MODS	D	POSITIONS CONTACTS	PLATING	SHIELD OPTION	TAIL
-6P4C		6 Positions 4 Contacts	-L = 15μ" (0,38 μm) Gold on Mating Area, Gold Flash on Tails	(Leave Blank for Unshielded)	-SM = Surface Mount
-6P6C		6 Positions 6 Contacts	-U = 50μ" (1,27μm) Gold on Mating Area, Gold Flash on Tails	-S = Shielded	-TH = Through-hole
-8P8C		8 Positions 8 Contacts		-N = No Panel Stops (Unshielded Only)	

  

POSITIONS CONTACTS	A	B	B (-S)
-6PXC	(15,90) .626	(13,30) .524	(14,10) .555
-8P8C	(17,80) .701	(15,20) .598	(16,00) .630

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?MODS-E](http://www.samtec.com?MODS-E)

**Insulator Material:** PBT Glass Filled  
**Contact Material:** Phosphor Bronze  
**Shield Material:** Copper Alloy  
**Plating:** Gold on Contacts, Nickel on Shield  
**Operating Temp Range:** -25°C to +90°C  
**Current Rating:** 1.5 A per contact  
**Voltage Rating:** 120 VAC  
**Contact Resistance:** 20 mΩ max  
**Minimum Cycles:** 500  
**System Applications:** CAT3  
**Packaging:** Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:** Yes (Wave Solder only)



MODS	E	POSITIONS CONTACTS	PLATING	SHIELD OPTION
-4P4C		4 Positions 4 Contacts	Unshielded Only -G = 15μ" (0,38 μm) Gold on Mating Area, Gold Flash on Tails	(Leave Blank for Unshielded)
-6P4C		6 Positions 4 Contacts	Shielded Only -L = 15μ" (0,38 μm) Gold on Mating Area, Gold Flash on Tails	-S = Shielded (-4P4C and Panel Stops N/A)
-6P6C		6 Positions 6 Contacts	-E = 50μ" (1,27μm) Gold on Mating Area, Gold Flash on Tails	
-8P8C		8 Positions 8 Contacts	-U = 50μ" (1,27μm) Gold on Mating Area, Gold Flash on Tails	

  

POSITIONS CONTACTS	A	B
-4P4C	(13,80) .543	(11,43) .450
-6PXC	(15,90) .626	(13,46) .530
-8P8C	(17,90) .705	(15,50) .610

**APPLICATION SPECIFIC OPTION**

- No panel stop option available
- Other plating options available
- Call Samtec.

*Due to technical progress, all designs, specifications and components are subject to change without notice.*

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