These are low installed cost connectors rated for up to 13 A and 240 V ac. They are typically used for circuit board and internal wiring applications. Snap Together connectors facilitate easy assembly and removal of equipment such as motors, fans, transformers, etc. All Snap Together - Rectangular connectors are RoHS Compliant.







Applications:

- Vehicle Dashboards.
- Circuit board connections.
- Internal connections.

Product Features

- Easy cost effective installation.
- Integrally molded latches and connector polarization.
- Recognized under the component program of UL Inc.
- · Inter-connector discrimination facilities available.
- Accepts formed (stamped) or machined contacts, see page 64.

Performance Specifications

Operating Voltage ¹	Up to 250 V ac rms
Contact Current Rating ²	Up to 13 A
Operating Temperature	-55°C to +105°C (-67°F to +221°F) for free Plug and Receptacles
	-40°C to +105°C (-40°F to +221°F) for PCB Mounted Receptacles
Insulation Resistance	5000MΩ min. at 500 V dc
Durability ³	Up to 500 Mating Cylces
Connector Latching Force	150 N min. with latches engaged
Panel Retention Force	500 N min.
Flammability	UL 94 V-0

¹ Depends on contacts used, layout, and degree of pollution

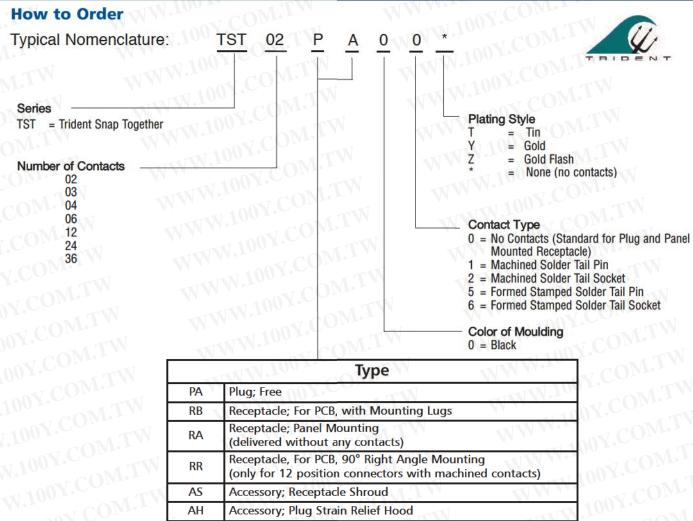
Materials and Finishes

Insulator Black Nylon, UL 94 V-0



² Depends on number and type of contacts used

³ Depends on plating and type of contacts used



Test Specifications

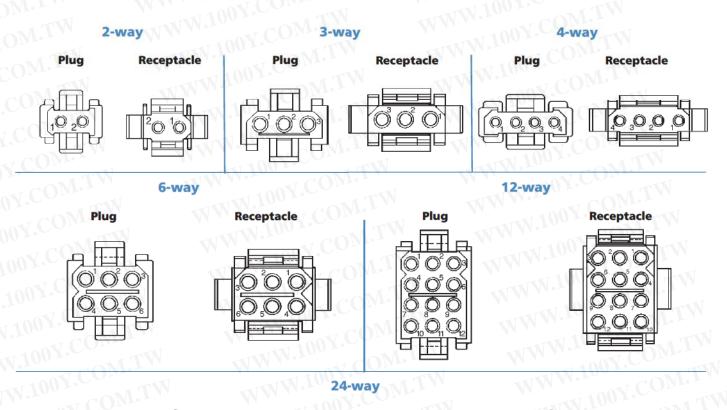
The table below summarizes the results of key tests. Data is applicable to standard connectors with standard contacts. Variations may affect this data, so please consult factory for further information on your requirements.

Test	Method	Criteria of Acceptance		
Dielectric Withstanding Voltage	2000 V ac	No breakdown		
Thermal Shock	-55°C to +125°C (-67°F to +257°F), 5 cycles	No physical damage		
Physical Shock	50 g's peak, 3 axes, 11 millisecond duration half-sine pulse	No physical damage. No loss of continuity >1 sec		
Vibration Vibration COM.	10 g's peak, 10-500 Hz, 9 hours	No physical damage, No loss of continuity >1 sec		
Durability COM.	500 cycles of mating and unmating, 500 mating cycles max	No mechanical or electrical defects		
Salt Spray	48 hours	Shall be capable of mating and unmating and meet contact resistance requirements		
High Temperature Endurance	1000 hours at 125°C (+257°F)	Insulation Resistance > 100 MΩ		
Humidy Steady State	RH 90-95%, 40°C (+104°F), 504 hours	Insulation Resistance > 100 MΩ		
Moisture Resistance	10 Cycles	Insulation Resistance > 100 MΩ		

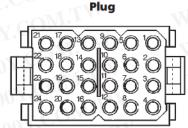


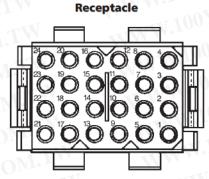


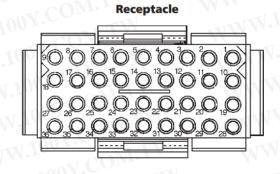
Contact Cavity Arrangements — Mating Face View



36-way







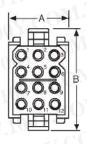
Dimensions shown in mm (inch)
Specifications and dimensions subject to change











Free Plug

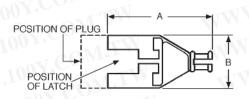
- · Accepts Pin or Socket contacts.
- Contacts to be ordered separately, see page 64.
- Mates with panel mounted receptacles, see page 11.
- Mates with PCB mounted receptacles, see pages 12-13.
- Connector Discriminating (Keying) Pins available, see page 73.

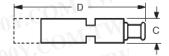
Number of Contacts	Pack of 100		Dimensions (max.)		
	Part Number	Nomenclature	A	CO B	
2	192990-0350	TST02PA00	15,50 (.610)	17,00 (.669)	
3	192923-5920	TST03PA00	19,00 (.748)	17,00 (.669)	
4	192990-0370	TST04PA00	24,00 (.944)	17,00 (.669)	
6	192923-5930	TST06PA00	19,00 (.748)	22,00 (.866)	
12	192923-5940	TST12PA00	19,00 (.748)	32,00 (1.259)	
24	192923-5950	TST24PA00	24,00 (.944)	42,00 (1.653)	
36	192923-5960	TST36PA00	49,50 (1.948)	32,00 (1.259)	
			- T T N V 0 -		





- Provides strain relief and wire protection.
- Secure with a tie-wrap (customer supplies tie-wrap).





Number of Contacts	Pack of 100		Www	Dimensions (max.)			
	Part Number	Nomenclature	Wire Bundle Dia.	A	В	C	D
2	192990-0460	TST02AH00	2,30-8,30 (.090326)	46,20 (1.818)	16,10 (.633)	11,00 (.433)	56,50 (2.224)
3	192990-0470	TST03AH00	2,30-8,30 (.090326)	46,20 (1.818)	18,60 (.732)	11,00 (.433)	56,50 (2.224)
4	192990-0480	TST04AH00	3,00-10,00 (.118393)	46,20 (1.818)	23,70 (.933)	11,00 (.433)	56,50 (2.224)
6	192923-5970	TST06AH00	2,30-8,30 (.090326)	46,20 (1.818)	19,00 (.748)	16,40 (.645)	56,50 (2.224)
12	192923-5980	TST12AH00	3,00-10,00 (.118393)	45,50 (1.791)	19,00 (.748)	26,40 (1.039)	55,80 (2.196)
24	192923-5990	TST24AH00	4,60-12,70 (.181500)	51,00 (2.007)	24,10 (.948)	36,80 (1.448)	60,30 (2.374)
36	192923-6000	TST36AH00	7,00-15,90 (.275625)	57,50 (2.263)	49,50 (1.948)	26,40 (1.039)	68,00 (2.677)



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Dimensions shown in mm (inch)
Specifications and dimensions subject to change