



Recommended PCB Layout  
(Top View)

### Materials and Finish

Housing Material: High Temperature Thermoplastic, UL 94V-0 Rated, Color: Black

Contact Material: Phosphor Bronze

Plating Options:  
Standard: Nickel Underplating, Gold Flash Plating on Contact Area, Gold Flash on Solder Area

50 Option: Nickel Underplating, Contact Area Plated with 50u" Gold to Comply with ANSI/TIA-1096-A, Gold Flash on Solder Area

### Electrical Characteristics

Rated Current: 1.5A  
Rated Voltage: 125V DC

Insulation Resistance: 500 Megohms Min.

Contact Resistance: 20 milliohms Max.

Dielectric Withstanding Voltage: 1000V AC for 1 Minute

### Mechanical Characteristics

Durability Rating: 500 Mating Cycles Min.  
Operating Temperature: -40°C to +85°C

Design meets UL 1863 Sec. 8  
Electrical Probe and Sec. 20  
Child Finger test requirements

Recommended Soldering Temperature: 260°C for 10 seconds

Part Number	Contact Area Plating	Packaging
GTVX-SMT2-N-66	Gold Flash (Standard)	Bulk
GTVX-SMT2-N-66-50	50u" Gold (50 Option)	
GTVX-SMT2-N-66-TR	Gold Flash (Standard)	Tape & Reel (TR Option)
GTVX-SMT2-N-66-50TR	50u" Gold (50 Option)	

Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A5	04/27/10	ECO #10-021	S. Vien	H. MA	R. Aguirre	9/27/05
A6	01/21/11	ECO #10-103	S. Vien	H. MA		
A7	12/10/12	ECO #12-062	S. Vien	P. DalCanto		
A8	02/22/13	ECO #13-004	S. Vien	P. DalCanto	UNITS	mm
A9	09/09/13	ECO #13-064	W. Cook	P. DalCanto		
A10	08/06/18	Update Address	D. Shehan	N/A		

GTVX-SMT2-N-66

Modular Jack, SMT, RoHS Compliant

6P6C, Top Entry, No Pegs

