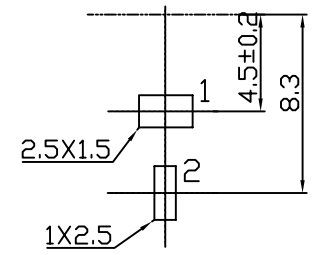
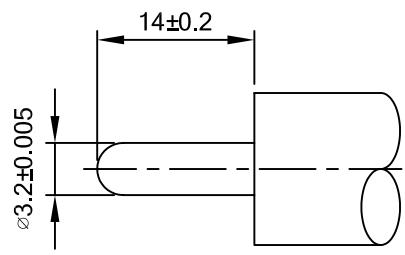


Dimensions of PC board holes(Commend)  
Bottom View



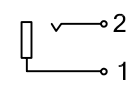
Order Information :  
PJS50-XX

- Color :
- 41 = Black (PANTONE:BLACK)
  - 42 = Red (PANTONE:032C)
  - 43 = White (PANTONE:7443U)
  - 44 = Yellow (PANTONE:012C)
  - 45 = Blue (PANTONE:Process Blue C)
  - 46 = Green (PANTONE:361C)
  - 47 = Orange (PANTONE:1505C)
- Series :  
RCA



[E] GAUGE PLUG

CIRCUIT DIAGRAM



[D]	3	BASE	1	PBT+15%GF, UL94V-0	SEE NOTE 2
	2	CAN	1	H65 BRASS t=0.4	SEE NOTE 2
[D]	1	CONTACT	1	PHOSPHOR BRONZE	SEE NOTE 2
	NO.	DESCRIPTION	QTY	MAT'L	Finish

[E]	ADD GAUGE PLUG	AXL	10/1/10'	TOLERANCE	
[D]	CHANGE CONTACT WAS BRASS AND NOTES 4b AND ADD UL94V-0	AXL	10/15/09'	LINEAR	ANGLES
[C]	ADDED PAGE 2 NOTES	SWL	10/01/09'	X<6 ±0.2	X° ±
[B]	Correct Tolerance	AXL	6/15/09'	6≤X<20 ±0.3	.X° ±
[A]	ISSUED	SWL	06/18/08'	X≥20 ±0.4	.XX° ±
REV	ECN NO.	NAME	DATE		.XXX° ±

**GENESIS**  
TECHNOLOGY, INC  
a Genesis Electro-Mechanical Company

1015 GRANT STREET S.E.  
ATLANTA, GA 30315

TITLE: RCA Jack, Right Angle, PCB Mount					
PART NO. PJS50-XX			DWG NO. GTi08-30221		
UNITS	SCALE	SHEET	REV		
MM	NONE	1 OF 2	E		

**C** Notes:

1. Electrical:

- a. Voltage Rating: 12VDC/AC(r.m.s).
- b. Current Rating: 1Amperes.
- c. Insulation Resistance: 100M ohms min.
- d. Dielectric Withstand Voltage: AC 500V/1 minute.
- e. Contact Resistance: Contact pin 20m ohms max initial.

2. Mechanical:

- a. Material: See BOM list ( Sheet 1/2 ).
- b. Plating: Contact: 80u" min Sn over 30u" Ni  
Can: 80u" min Sn over 30u" Ni
- c. Durability: 1,000 Cycles.
- d. Mating force: 3N~25N.  
Unmating force: 3N~25N
- e. Coplanarity of SMT Leads: Not Applicable.
- f. Solderability: More than 90% of solderable area shall be covered with solder after 3 seconds flux(No clean flux)deep.
- g. Soldering Profile: 260°C±5°C for 5±1 seconds without remarkable deterioration.

3. Environmental:

- a. Operating/Storage Temperature: -40°C to +70°C.
- b. Temperature Life: A temperature of 70±2°C for 96hours.
- c. Salt Spray test shall be tested per ASTM 117 for 4 hours.
- d. Steady State Humidity: 90%~95% humidity on 40±2°C for 96hours.
- e. Thermal Shock: 10 cycles of -40±2°C to 70±2°C.
- f. Shock: No discontinuities of 1 us or longer duration when mated connectors are subjected to 11 ms duration 30 Gs half-sine shock pulses. Three shocks in each direction applied along three mutually perpendicular planes for a total of 18 shocks.
- g. Vibration: No discontinuities of 1us of longer duration when mated connectors are subjected to 5.35Gs RMS. 15min. in each of three mutually perpendicular planes.
- h. After enviromental test, connector Final Contact pin resistance 50m ohms max. and meet IR and DWV as initial.

4. Compliance:

- a. Standard: Pin jack connector specification.
- D** b. RoHS 6/6 Compliant.

SHEET	REV
2 OF 2	SEE SHEET 1