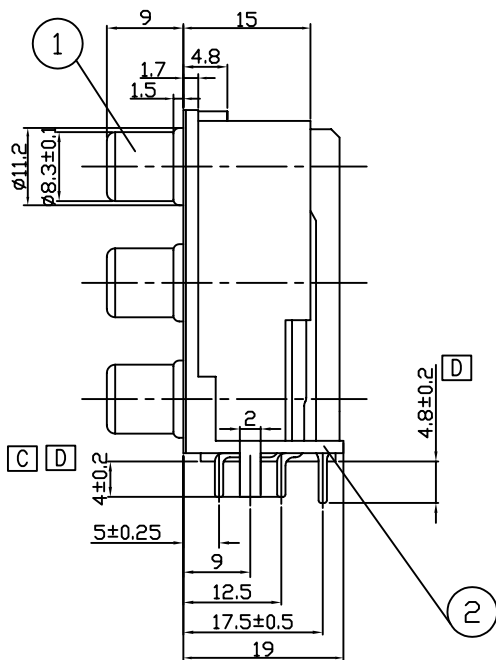
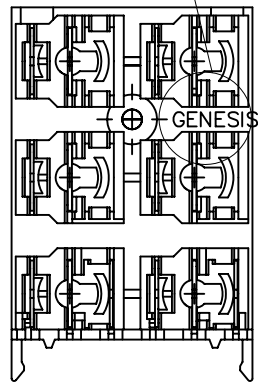


Dimensions of PC board holes

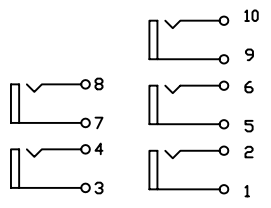
Bottom View



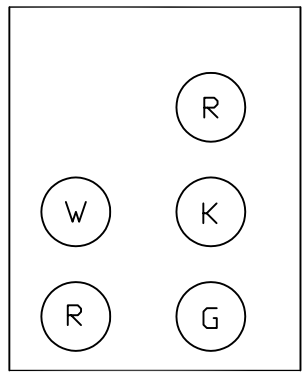
GTI MARK



BACK VIEW

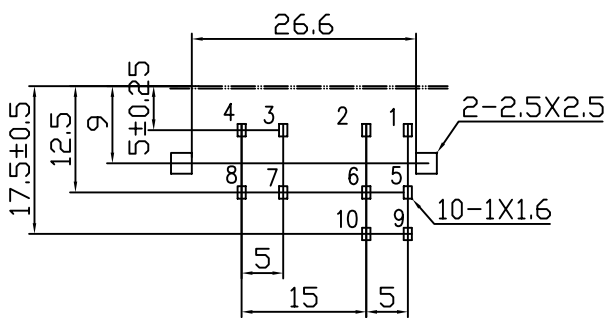


CIRCUIT



COLOR CODE:

- G=GREEN
- K=BLUE
- R=RED
- B=BLACK
- Y=YELLOW
- W=WHITE



NO	PART NAME	DESCRIPTION	Q'TY	MATERIAL	REMARK
10	SHEILD PATCH	H62 BRASS t=0.3	1	CuSn	
9	WASHER	PBT+15%GF	5	---	
8	PINCER NEEDLE	H62 BRASS t=0.45	1	CuSn	
7	PINCER NEEDLE	H62 BRASS t=0.45	2	CuSn	
6	PINCER NEEDLE	H62 BRASS t=0.45	2	CuSn	
5	JACK NEEDLE	H62 BRASS t=0.30	1	CuSn	
4	JACK NEEDLE	H62 BRASS t=0.30	2	CuSn	
3	JACK NEEDLE	H62 BRASS t=0.30	2	CuSn	
2	BASE	ABS 777D (Black)	1	---	
1	OUTER CONDUCTOR	H65 BRASS t=0.4	5	CuSn	

F	ADD PAGE 2 AND CHANGE MATERIAL WAS PBT	AXL	7/16/08'
E	ADDED DEMINSION	SWL	6/18/08'
D	CORRECT DIM. AND TOLERANCE	AXL	1/13/06'
C	REVISE DWG AND ADD BACK VIEW	AXL	1/11/06'
B	ADD RoHS Compliant	AXL	1/11/06'
A	ISSUED	AXL	10/17/05'
REV	ECN NO.	NAME	DATE

TOLERANCE	
LINEAR	ANGLES
X.±	X'.±
<6±0.1	.X'±
6>20±0.2	.XX'±
>20±0.3	.XXX'±

GENESIS TECHNOLOGY, INC
 1015 GRANT STREET S.E. ATLANTA, GA 30315

APPD: _____ MAT'L: _____
 CHKD: _____ FINISH: _____
 DRWN: AXL Q'TY: _____

TITLE:			
1002873			
2x3 5 PORTS RCA PIN JACK			
PART NO.		SC-10145	
DWG NO.		SC-10145	
UNITS	SCALE	SHEET	REV
MM	NONE	1 OF 2	F

Notes:

1. Electrical:

- a. Voltage Rating: 15VDC/AC(r.m.s).
- b. Current Rating: 1Amperes.
- c. Insulation Resistance: 50M ohms min.
- d. Dielectric Withstand Voltage: AC 250V/1 minute.
- e. Contact Resistance: Contact pin 20m ohms max initial.
Socket ground pin 50m ohms max initial.

2. Mechanical:

- a. Material: See BOM list (Sheet 1/2).
- b. Plating: See BOM list (Sheet 1/2).
CuSn plating means: Contact and Ground Pin: CuSn 2um (80u") minimum
Shield Case and Can: CuSn 1~3 um.
- c. Durability: 1,000 Cycles.
- d. Mating force: Pin jack 45N Max.
Unmating force: Pin jack 6N~36N.
- e. Coplanarity of SMT Leads: Not Applicable.
- f. Solderability: More than 95% of solderable area shall be covered with solder after 5~10 seconds flux(No clean flux)deep.
- g. Soldering Profile: 180°C for 5 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±3°C for 96hours.
- e. Thermal Shock: 10 cycles of -40±3°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 Contact pin resistance should not increase to 30m ohms max.
Socket ground pin resistance should not increase to 60m ohms max.
and meet IR and DWV as initial.

4. Compliance:

- a. Standard: Pin jack connector specification.
- b. RoHS Compliant.

5. Order Information:

SC-10145

[F]

PART NO.	SC-10145	SHEET	REV
DWG NO.	SC-10145	2 OF 2	SEE SHEET 1