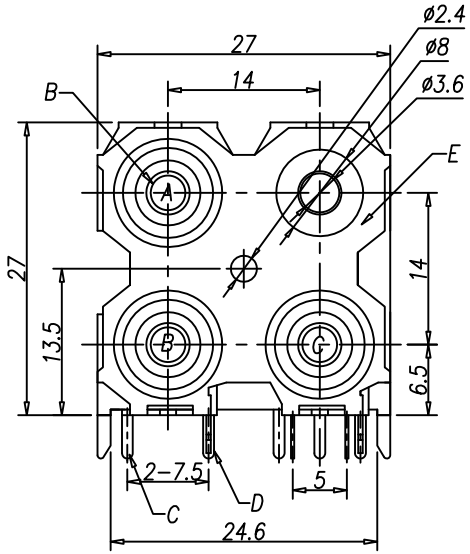
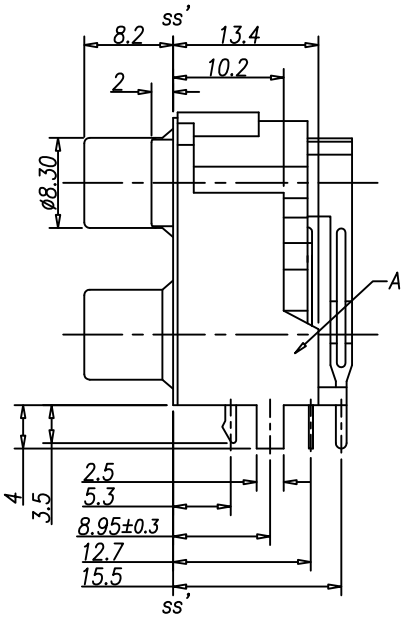
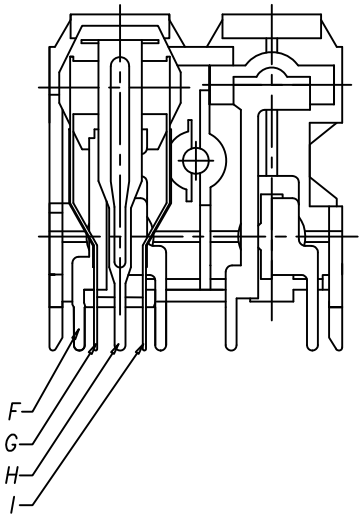
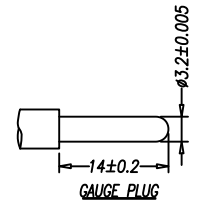




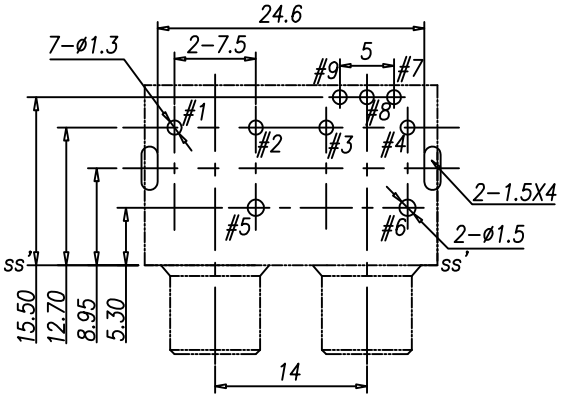




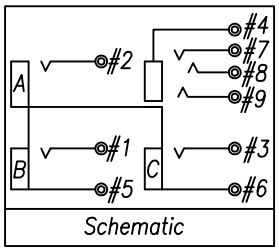
RCA JACK SPECIFICATION:
1. VOLTAGE AND CURRENT RATING:12V & 1A
2. CONTACT RESISTANCE: 30mΩ MAX.
3. INSULATION RESISTANCE: 100MΩ MIN.@ DC500V
4. WITHSTAND VOLTAGE: 500VAC FOR 1MIN.
5. INSERTION FORCE: 3Kgf MAX.
6. EXTRACTION FORCE: 0.3Kgf MIN.
7. WITHDRAW FORCE FOR CENTER CONTACT: 0.08Kgf MIN.
   (USE A OD=3.2±0.005mm, LENGTH=14±0.2mm GAUGE PLUG)
8. TERMINAL STRENGTH: THE TERMINAL SHALL BE CAPABLE OF WITHSTANDING A FORCE OF 3Kgf APPLIED IN ANY DIRECTION FOR 0.5 SECONDS WITHOUT LOSSING AND BREAKDOWN.
9. LIFE TEST: 1,500 CYCLES
10. TEMPERATURE RANGE: −25°C~70°C
11. SOLDER HEAT RESISTANCE: WAVE SOLDING 260°C 5 SECONDS.

PHONE JACK SPECIFICAION:
1. VOLTAGE RATING: DC 30V MIN.
2. CURRENT RATING: 1A MAX.
3. CONTACT RESISTANCE:
   3.1 PLUG TO CONTACTS:
       INITIAL 30mΩ MAX.
       AFTER DURABILITY TESTING: 100mΩ MAX.
   3.2 PLUG TO SHUNT:
       INITIAL 30mΩ MAX.
       AFTER DURABILITY TESTING: 60mΩ MAX.
4. INSULATION RESISTANCE: 100MΩ MIN. (DC500V)
5. OPERATION TEMPERATURE: −40°C~70°C
6. WITHSTAND VOLTAGE: 500VAC
7. INSERTION FORCE: 3Kgf MAX.
8. EXTRACTION FORCE: 0.3Kgf MIN.
9. LIFE TESTING: 3,000 CYCLES
10. SOLDER HEAT RESISTANCE: WAVE SOLDING 260°C 5 SECONDS.

COMPLIANCE WITH RoHS



Recommend PCB Layout
(Jack Top View)
Tolerance: ±0.05mm
Recommend PCB Thickness: 1.6mm



Schematic

Color Scheme

X	A	B	C
1	White	Red	Yellow
2	Orange	White	Red
3	White	Red	Black
4	Blue	Red	Green

ORDER INFORMATION

GTi09-20116-X
└ Washer color see color scheme

NO.	PART NAME	Q'TY	MATERIAL	PLATING & COLOR
I	Terminal #9	1	Phosphor Bronze, T=0.3mm	Ag Plating
H	Terminal #8	1	Phosphor Bronze, T=0.3mm	Ag Plating
G	Terminal #7	1	Phosphor Bronze, T=0.3mm	Ag Plating
F	Terminal #4	1	Phosphor Bronze, T=0.3mm	Ag Plating
E	Outer Contact	1	Brass, T=0.4mm	CuSn Plating
D	Terminal #2	1	Brass, T=0.4mm	CuSn Plating
C	Terminal #1,3	2	Brass, T=0.4mm	CuSn Plating
B	Washer	3	ABS UL94-HB	See Color Scheme
A	Housing	1	PBT UL94V-0	Black

TOLERANCE	
LINEAR	ANGLES
X.±0.5	X°.±2°
.X±0.3	.X°±1°
.XX±0.2	.XX°±
.XXX±	.XXX°±

GENESIS TECHNOLOGY, INC
7F, No. 191, Sec. 2 Chung-Yang Rd., Tu-Cheng City Taipei Hsien, Taiwan

TITLE: RCA JACK + 3.5mm PHONE JACK

PART NO. GTI09-20116-X

DWG NO. GTI09-20116

APPD: | MAT'L:

CHKD: | FINISH:

DRWN: | Q'TY:

UNITS	SCALE	SHEET	REV
MM	NONE	1 OF 1	A

REV	ECN NO.	NAME	DATE
A	ISSUED	Hanson	9/21/09'