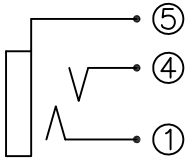
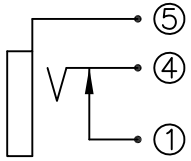
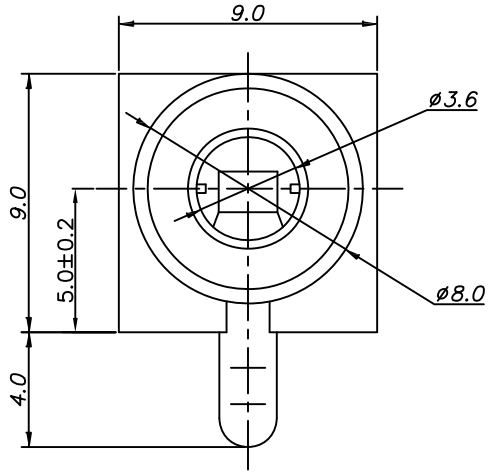
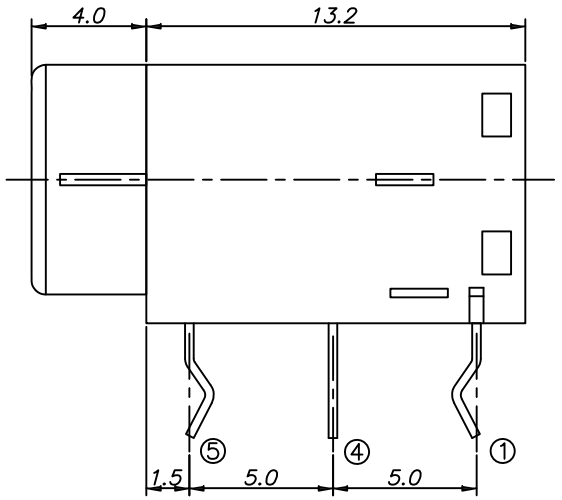
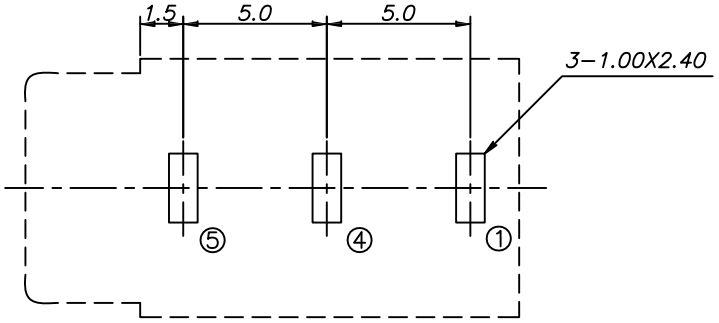
ORDER INFORMATION:
AJ3.5-045-X
TYPE
A=SCHEMATIC A
B=SCHEMATIC B

STEREO TYPE	MONO TYPE
	
SCHEMATIC A	SCHEMATIC B

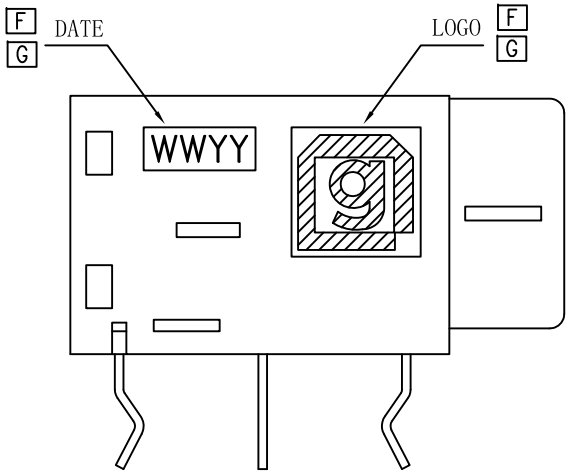
D C







PCB LAYOUT
BOTTOM VIEW



REV	ECN NO.	NAME	DATE
G	CHANGE DATE AND LOGO LOCATION	Jeff	11/5/10'
F	CHANGE SHUNT AND GND TERMINAL MATERIAL, ADD DATE AND LOGO MARK	Jeff	9/6/10'
E	CHANGE TIP TERMINAL MATERIAL AND ADD RoHS 6/6 COMPLIANT	AXL	12/16/09'
D	ADD NOTES	Kevin	3/10/09'
C	CORRECT TYPO.	AXL	5/15/08'
B	ADD RoHS AND MATERIAL	AXL	12/8/05'
A	ISSUED	AXL	12/7/05'

TOLERANCE	
LINEAR	ANGLES
X.±	X°.±
.X±0.30	.X°±
.XX±0.20	.XX°±
.XXX±0.20	.XXX°±

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

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

TITLE: ø3.5mm PHONE JACK DIP TYPE
PART NO. AJ3.5-045-X
DWG NO. SC-10212

UNITS	SCALE	SHEET	REV
MM	NONE	1 OF 3	G

B

NOTES:

1. MECHANICAL

1a. TERMINAL STRENGTH

THE TERMINAL SHALL BE CAPABLE OF WITHSTANDING A FORCE OF 500 GRAMs APPLIED IN ANY DIRECTION FOR 10 SECONDs WITHOUT LOOSING OR BREAKDOWN.

1b. INSERTION AND EXTRACTION FORCE:

INSERTION FORCE OF INITIAL STATE: 0.4 TO 3.0 Kgs
EXTRACTION FORCE OF INITIAL STATE: 0.4 TO 3.0Kgs
INSERTION FORCE AFTER DURABILITY TEST: 0.3 TO 3.0Kgs
EXTRACTION FORCE AFTER DURABILITY TEST: 0.3 TO 3.0Kgs

2.ELECTRICAL

2a. CONTACT RESISTANCE

RESISTANCE OF PLUG TO CONTACTS: 50mΩ MAX.
RESISTANCE OF PLUG TO GROUND: 50mΩ MAX.
RESISTANCE OF CONTACT TO SHUNT: 30mΩ MAX.
PLUG TO CONTACTS RESISTANCE AFTER DURABILITY TEST: 100mΩ MAX.
PLUG TO GROUND RESISTANCE AFTER DURABILITY TEST: 100mΩ MAX.
CONTACT TO SHUNT RESISTANCE AFTER DURABILITY TEST: 60mΩ MAX.

2b. INSULATION RESISTANCE

INSULATION RESISTANCE BETWEEN MUTUAL INSULATED CONTACTs SHOULD COMPLIED WITH FOLLOWING SPECIFICATION UNDER 500 VOLTs DC
INSULATION RESISTANCE OF INITIAL STATE: 100MΩ MIN.
INSULATION RESISTANCE AFTER HUMIDITY TEST: 50MΩ MIN.

2c. WITHSTAND VOLTAGE TEST

500 VOLTs AC/RMS APPLIED BETWEEN ADJACENT OPEN TERMINALs FOR 1 MINUTE WITHOUT BREAKDOWN

3.DURABILITY TEST

MORE THAN 3500 MATING CYCLEs AT 10 ~ 20 CYCLEs PER MINUTE

4.HUMIDITY TEST

THE JACK SHALL BE PLACED IN THE CONDITION OF 40±2 DEGREE C AND 90% TO 95% RH FOR 96 Hrs, THEN PLACED IN AMBIENT TEMPERATURE FOR MORE THAN 30 MINUTEs. THE RELATIVE TEST BEFORE AND AFTER THIS TEST SHOULD COMPLIED WITH SPECIFICATIONs.

TOLERANCE	
LINEAR	ANGLES
X.±	X°.±
.X±	.X°±
.XX±	.XX°±
.XXX±	.XXX°±

GENESIS TECHNOLOGY, INC
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APPD:	MAT'L:
CHKD:	FINISH:
DRWN:	Q'TY:

TITLE: ø3.5mm PHONE JACK DIP TYPE

PART NO.	AJ3.5-045-X
DWG NO.	SC-10212

UNITS	SCALE	SHEET	REV
MM	NONE	2 OF 3	SEE SHEET 1

PLEASE REFER SHEET 1

REV	ECN NO.	NAME	DATE

5. SOLDERING TEST

5a. SOLDERABILITY

COVERAGE MORE THAN 95% WHEN APPLIED IN THE SOLDER<Sn63> OF 240±5 DEGREE C FOR 5±1 SECONDs AFTER AGING BY THE MICROSCOPE OF MORE THAN 10X

5b. RESISTANCE TO SOLDERING HEAT THE JACK MOUNTED ON PCB COMPLIED WITH ACTUAL APPLICATION. THEN ALL TERMINALs

IMMERSED IN SOLDERING POT OF 260±5 DEGREE C FOR 5±1 SECONDs WITHOUT REMARKABLE DETERIORATION

6. OPERATIING TEMPERATURE

−25 TO +85 DEGREE C

7. RATING

RATED VOLTAGE : 16 VOLTs DC

RATED CURRENT : 0.3 AMPERE

8. MATERIALS AND FINISH

	ITEM	MATERIAL	COLOR	PLATING	REMARK
	HOUSING	PBT+15%GF	BLACK		UL94V-0
F	SHUNT TERMINAL	PHOSPHOR BRONZE		120u" Min. Tin Plated Over 50u" Nickel under plating	
E	TIP TERMINAL	PHOSPHOR BRONZE		120u" Min. Tin Plated Over 50u" Nickel under plating	
F	GND TERMINAL	PHOSPHOR BRONZE		120u" Min. Tin Plated Over 50u" Nickel under plating	

E 9. RoHS 6/6 COMPLIANT.

TOLERANCE	
LINEAR	ANGLES
X.±	X°.±
.X±	.X°±
.XX±	.XX°±
.XXX±	.XXX°±

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

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

TITLE: ø3.5mm PHONE JACK DIP TYPE

PART NO. AJ3.5-045-X

DWG NO. SC-10212

UNITS	SCALE	SHEET	REV
MM	NONE	3 OF 3	SEE SHEET 1

PLEASE REFER SHEET 1

REV	ECN NO.	NAME	DATE