



X8	MODIFY DESIGN	VEGAS	6/28/11'
X7	CORRECT DIM 3 TO 4.6	VEGAS	1/24/08'
X6	ADD LOGO	VEGAS	1/24/08'
X5	MODIFY DESIGN	VEGAS	1/22/08'
X4	MODIFY DESIGN	VEGAS	1/21/08'
X3	MODIFY DESIGN	AXL	1/16/08'
X2	MODIFY DESIGN	VEGAS	12/21/07'
X1	ISSUED	AXL	12/17/07'
REV	ECN NO.	NAME	DATE

TOLERANCE	
LINEAR	ANGLES
X. ±	X° ±
.X ± 0.40	.X° ±
.XX ± 0.30	.XX° ±
.XXX ± 0.20	.XXX° ±

GENESIS
TECHNOLOGY, INC. 1015 GRANT STREET S.E. ATLANTA, GA 30315
a Genesis Electro-Mechanical Company

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

TITLE: USB A PLUG VERTICAL DIP TYPE 1 INCH TALL			
PART NO.	GTI07-30125-XX		
DWG NO.	GTI07-30125		
UNITS	SCALE	SHEET	REV
MM	NONE	1 OF 1	X8

Notes:

1. Electrical:

- a. Voltage Rating: 30VDC Max. (r.m.s)
- b. Current Rating: 0.5Amperes.
- c. Insulation Resistance: 1000M ohms min.
- d. Dielectric Withstand Voltage: AC 100V/1 minute.
- e. Contact Resistance: 30 m ohms max initial.

2. Mechanical:

a. Material:

Contacts: Brass C2680.
Housing & Cover/Flammability Rating: PBT + 25%G/F,UL94V-0, black.
Shell: SPCC.

b. Plating:

Contacts: Gold plated Optional (see order information).
100u" TIN MIN. Plated at solder side, 30u" nickel underplated overall.
Shell: 80u" Nickel MIN. Plated overall.

c. Durability: USB 1,500 Cycles.

d. Mating force: 35N Max.

Unmating force: 10N Min.

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: 230°C±5°C for 5~10 seconds without remarkable deterioration.

3. Environmental:

a. Operating/Storage Temperature: -40°C to +85°C.

b. Temperature Life: A temperature of 60±5°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 -55±5°C to 85±5°C.

f. Shock: No discontinuities of 1 us or longer duration when mated USB 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 or longer duration when mated USB conn. are subjected to 5.35Gs RMS. 15min. in each of three mutually perpendicular planes.

h. After enviromental test, connector contact resistance should not increase to 40m ohms max. and meet IR and DWV as initial.

4. Compliance:

a. Standard: USB version 2.0 specification.

b. RoHS Compliance.

5. Order Information:

GTI07-30125-XX

GOLD PLATING OPTION

01: GOLD FLASH

02: GOLD 5u"

03: GOLD 10u"

04: GOLD 15u"

05: GOLD 30u"

<input checked="" type="checkbox"/>	SHEET	REVISION
	2 OF 2	SEE SHEET 1