



RECOMMENDED P.C.B LAYOUT

SPECIFICATIONS

1:D-SUB

1.1:ELECTRICAL CHARACTERISTICS:

Contact Current Rating: 3 Amperes.
 Dielectric Withstanding Voltage: AC 1000V/60sec.r.m.s.
 Insulation Resistance: 5000 Megohms Minimum.at DC 500V.
 Contact Resistance: 25 Milliohms Maximum.
 Operating Temperature: -55°C to +105°C.

C 1.2:MECHANICAL CHARACTERISTICS:

Total Mating Force: 6.0 Kgf Maximum.
 Total Unmating Force: 1.2 Kgf Minimum.

1.3:MATERIALS:

Contacts: Brass.
 Insulator: PBT, UL 94V-0 Rated.
 Shell: Cold Roller Steel.

C 1.4:FINISHES:

Contact: Gold Flash on contact area, Bright Tin on solder tail.
 Shell: Nickel Plated.

2:USB

2.1:ELECTRICAL CHARACTERISTICS:

Contact Current Rating: 1 Amperes.
 Dielectric Withstanding Voltage: AC 750V/60sec.r.m.s.
 Insulation Resistance: 1000 Megohms Minimum.
 Contact Resistance: 25 Milliohms Maximum.
 Operating Temperature: -55°C to +105°C.

E 2.2:MECHANICAL CHARACTERISTICS:

Total Mating Force: 3.5 Kgf Maximum.
 Total Unmating Force: 1.0 Kgf Minimum.

2.3:MATERIALS:

Contacts: Phosphorous Bronze
 Insulator: PBT, UL 94V-0 Rated.
 Front Shell: Brass.
 Brack Shell: SPCC.
 Spring Shell: Stainless Steel.

D

C

2.4:FINISHES:

Contact: Gold Flash on contact area, Bright Tin on solder tail.
 Front Shell: 80u" Min. Nickel
 Brack Shell: 80u" Min. Nickel

3.SPACING BETWEEN PORTS TYPE C-C (PROFILE): 3.22mm.

4.COLOR STYLE: FOR PC99 FOLLOW PANTONE COLOR.

* This part is RoHS compliant

REV	DESCRIPTION	DATE	NAME	ECN NO.
E	UPDATED USB Operating Temperature	3/09/17'	Hunter	
D	MODIFIED USB SPRING SHELL MATERIAL	9/19/11'	Jeff	
C	UPDATED DRAWING	7/22/11'	Jeff	
B	CHANGED P/N ,WAS GT32-0502	8/9/05'	AXL	
A	ISSUE	4/20/05'	AXL	

NO.	DESCRIPTION	Q'TY	MATERIAL	TOOLING NO.
 GENESIS TECHNOLOGIES 1015 GRANT STREET SE., ATLANTA, GA 30315				
D-SUB 15 FEMALE HIGH DENSITY /USB A TYPE CONNECTOR				
NAME		B GT32-0502-5		
DWG NO				
UNIT	MM			
SCALE	NONE			
SHEET	1			
X ±0.25 .XX ±0.13 .XXX ANGLES		DRAW. BY Hunter CHECKED APPVL. BY		