

RECOMMENDED PCB THICKNESS=1.60±0.05mm


NOTES:

1. Material:
 - Housing: PBT UL 94V-0,Black
 - Terminal: Copper Alloy, Plating Gold
 - Shield: Copper Alloy, Plating Nickel
 - Spring: Stainless, None-plated
2. Contact current rating: 1.5Amperes.
 - Dielectric withstanding voltage: AC 500V R.M.S
 - Insulation Resistance: 1000M Ohms Min.
 - Contact Resistance: 30m Ohms Max.
 - Operating Temperature: -30°C~+85°C.
 - Mating Force: 3.57Kg Max.
 - Unmating Force: 1.02Kg Min.
3. RoHS Compliant

ORDER INFORMATION

USAR-26 04 - A K X 3 T 0 1
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

1. CONNECTOR:
 - USAR: USB A TYPE R/A CONNECTOR
2. TYPE:
 - 26: FEMALE, DIP TYPE, LONG SHIELD WITH SPRING
3. POSITIONS:
 - 04: 4 POSITIONS
4. INSULATOR MATERIAL:
 - A: PBT
5. INSULATOR COLOR:
 - K: BLACK
6. CONTACT PLATING:
 - 1: GOLD 1u"
 - 5: GOLD 15u"
 - 6: GOLD 30u"
7. SHIELD PLATING:
 - 3: NICKEL PLATING
8. PACKING:
 - T: TRAY

TOLERANCE		 <small>7F, No. 191, Sec. 2 Chung-Yang Rd., Tu-Cheng City Taipei Hsien, Taiwan</small>	TITLE: LONG USB A WITH SPRING			
LINEAR	ANGLES		PART NO. USAR-2604-AKX3T01			
X. ±	X° ±10°		DWG NO. GTI08-25121			
APPD: Allen	MAT'L:	UNITS SCALE SHEET REV				
CHKD: Daniel	FINISH:	mm NONE 1 OF 2 B				
DRWN: Terry	Q'TY:					

REV.	ECN NO.	NAME	DATE	.XXX ± 0.13	.XXX°
B	MODIFY SHELL	Terry	11/12/09'	.X ±0.38	.X° ±5°
A	ISSUED	Vegas	08/01/09'	.XX ± 0.25	.XX° ±2°

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: Phosphor Bronze.
Housing&Cover/Flammability Rating: PBT, Black, UL94V-0
Shield/Spring: Brass(Shield), SUS (Spring).

b. Plating:

Contacts: Gold plated Optional (see order information).
50u" nickel underplated overall.
Shield: 100u" Nickel.
Spring: None-plated

c. Durability: USB 1,500 Cycles.

d. Mating force: USB 35N Max.

Unmating force: USB 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: 260°±5° 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 of longer duration when mated USB conn. are subjected to 5.35Gs RMS. 15min. in each of three mutually perpendicular planes.

h. After environmental test, USB connector contact resistance should not increase to 40m ohms max.

4. Compliance:

a. USB 2.0 VERSION COMPLIANT WITH PLATING EXCEPTION OF GOLD ON TERMINALS AND EXCEPTION OF EIA-364 TEST REQUIREMENTS.

b. RoHS Compliance.

PART NO.	USAR-2604-AKX3T01	SHEET	REVISION
DWG NO.	GTI08-25121	2 OF 2	SEE SHEET 1