



REFERENCE PCB LAYOUT
(TOLERANCE ±0.05)

Specification

*Electrical Characteristics.

Contact Current Rating:
1.8A for VBUS and GND Contacts.
0.25A for all others Contacts.
Insulation Resistance:100MΩ Min.
Dielectric Withstanding Voltage:AC 100V r.m.s.
Low Level Contact Resistance:
30mΩ (Max) initial for VBUS and GND Contacts.
50mΩ (Max) initial for all others Contacts.

*Mechanical Characteristics:

Insertion Force:3.57kg.(35N) Max.
Extraction Force:
1.02kg.(10N) Min. For Initial.
0.82kg.(8N) Min. For After Test.
Durability:5000 cycles min.

*Environmental:

Operating Temperature:-30°C ~ 85°C.

*Material:

Housing:Thermoplastic UL 94V-0 Rated.
Contact:Copper Alloy.
Shell:Cold Rolled High Carbon Steel.
There should not be any circuitries in the layout space of the PCB type products.

ORDER INFORMATION

USAR - 2K 09 - F B X 3 T 1C
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

1. CONNECTOR:
USAR: USB CONNECTOR
2. TYPE:
2K: FEMALE, USB 3.0 MOLDING
3. POSITIONS:
09: 9 POSITIONS
4. INSULATOR MATERIAL:
F: NYLON 9T
5. INSULATOR COLOR:
B: BLUE
6. CONTACT PLATING:
1: GOLD FLASH
2: GOLD 3u"
3: GOLD 5u"
5: GOLD 15u"
6: GOLD 30u"
9: ALL GOLD FLASH CONTACT AREA 30u" GOLD
7. SHIELD PLATING:
3: NICKEL PLATING
8. PACKING
T: TRAY PACKING

RoHS Compliant

TOLERANCE	
LINEAR	ANGLES
X. ±	X° ± 3°
.X ± 0.38	.X° ± 3°
.XX ± 0.25	.XX° ± 3°
.XXX ± 0.10	.XXX° ±

GENESIS
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TITLE: USB 3.0 9PIN FEMALE MOLDING

PART NO. USAR-2K09-FBX3T1C

DWG NO. GTI10-25116

[A]	ISSUED	Vegas	09/03/10	.XX ± 0.25	.XX° ± 3°	APPD:	MAT'L:	DWG NO.	GTI10-25116	UNITS	SCALE	SHEET	REV
REV.	ECN NO.	NAME	DATE	.XXX ± 0.10	.XXX° ±	CHKD:	FINISH:	[Symbol]	[Symbol]	MM	NONE	1 OF 1	A
1	2	3		4		5	6	7					8