

Title Subject : Quick Disconnect Terminal For PC Board (250-Type)

Part Number : 3301T , 3302T Series

1. PRODUCT DESCRIPTION

1-1	Part Name	Part Number	Material	Surface Finish
	250-Type (180°)	3301T012X-X	Brass	Matte Tin -Plated
	250-Type (180°)	3301T022X-X	Brass	Matte Tin -Plated
	250-Type (180°)	3301T032X-X	Brass	Matte Tin -Plated
	250-Type (180°)	3301T042X-X	Brass	Matte Tin -Plated
	250-Type (180°)	3301T052X-X	Brass	Matte Tin -Plated
	250-Type (90°)	3302T012X-X	Brass	Matte Tin -Plated
	250-Type (90°)	3302T022X-X	Brass	Matte Tin -Plated
	250-Type (90°)	3302T032X-X	Brass	Matte Tin -Plated

1-2 Current Rated : 25A AC, DC Max.

1-3 Voltage Rated : 600V AC, DC Max.

1-4 Temperature Range : - 40°C to + 105°C

2. ELECTRICAL PERFORMANCE

2-1 Contact Resistance :

Test Condition: Mates terminal with 66101T series Crimp Terminal and 66103S series connector

Current Tested : 5A

Requirements: 10 mΩ Max.

Approved by:	J.L.Lin 02/NOV/11' <i>J.L.Lin</i> 2011/11/2	Prepared by:	R.D.G. 02/NOV/11'	Rev.	G
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**3. MECHANICAL PERFORMANCE**

## 3-1 Insertion Force :

Test Condition: Mates terminal with 66101T series Crimp Terminal and 66103S series connector

Requirements: Insertion Force: 7.0 Kg Max. ( Speed rate of 25mm/minute )

Withdrawal Force: 2.0 Kg Min. ( Speed rate of 25mm/minute )

**4. ENVIRONMENTAL PERFORMANCE AND OTHERS**

## 4-1 Salt Spray :

Test Condition: Temperature :  $35 \pm 2^{\circ}\text{C}$

Density : 5% in weight

Duration :  $48 \pm 4$  hours

Requirements : Appearance : No damage

## 4-2 Solderability :

Test Condition: Solder temperature :  $245 \pm 5^{\circ}\text{C}$

Solder time :  $3 \pm 0.5$  sec.

Requirements: 95% of Plating surface of solder-dipping section shall be covered with smooth solder.

## 4-3 Resistance to Soldering Heat :

Test Condition: Solder temperature :  $250 \pm 5^{\circ}\text{C}$

Solder time :  $5 \pm 0.5$  sec.

Requirements: There shall be neither deformation nor damage which may affect the performance.