



## Introducing PCB Connector that Meets RAST 2.5 Standard

PCB Connector that Meets RAST 2.5 Standard with Vertical Through Hole Technology, available with tin or silver plating, external or internal locking.

### KEY FEATURES

- Designed to the RAST 2.5 Standard
- Tin / Silver plating
- 3-15 positions
- Available in multiple colors
- Internal and external locking
- UL/VDE/CQC approval
- Meets UL 94 V0 & GWT 750°C w/o flame

### APPLICATIONS

- Front-loading washing machine
- Dishwasher
- Microwave oven
- Refrigerator

### ELECTRICAL

- Rated Current: 2A for Tin plated version; 6A for silver plated version
- Rated Voltage: 50V for fully loaded version; 250V for selectively loaded version
- Insulation Resistance: 5000M  $\Omega$
- Dielectric Strength: 1500V/m

### MATERIALS

- Housing: Meets Thermoplastic UL 94 V0 and IEC 60335-1
- Contact: Copper Alloy, Tin or Silver plating over Nickel

### STANDARDS AND SPECIFICATIONS

- According to RAST 2.5 Specification
- Product Specification: 108-106079

**SAMPLES NOW AVAILABLE**

[te.com/products/RAST25t](http://te.com/products/RAST25t)



**PRODUCT OFFERING**

**Part Number Ordering: Example for X-1971817-Y**

**-3**  
Substitute dash number listed for "Y", therefore a -3 signifies PN 1971817-3.  
**1- -3**  
Substitute first number for "X" and second number listed for "Y", therefore a 1- -3 signifies PN 1-1971817-3.  
**\* Follow same numbering scheme throughout for other part numbers listed.**

**External Locking - Fully Loaded**

TIN PLATED																
No. of Pos.	3		4	5	6	7	8	9	10		11	12	13	14	15	
X-1971817-Y	1- -3	8- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	1- -0	X-1971818-Y	1- -1	1- -2	1- -3	1- -4	1- -5	
	2- -3	9- -3	2- -4	2- -5	2- -6	2- -7	2- -8	2- -9	2- -0		2- -1	2- -2				2- -5
	3- -3	-3	3- -4	3- -5	3- -6	3- -7	3- -8	3- -9	3- -0							3- -5
	4- -3		4- -4	4- -5	4- -6	4- -7		4- -9								
	5- -3		5- -4			5- -7		5- -9								
	6- -3		6- -4			6- -7		6- -9								
	7- -3					7- -7										

Ag PLATED																
No. of Pos.	3		4	5	6	7	8	9	10		11	12	13	14	15	
X-1971837-Y	1- -3	8- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	1- -0	X-1971838-Y	1- -1	1- -2	1- -3	1- -4	1- -5	
	2- -3	9- -3	2- -4	2- -5	2- -6	2- -7	2- -8	2- -9	2- -0		2- -1	2- -2				2- -5
	3- -3	-3	3- -4	3- -5	3- -6	3- -7	3- -8	3- -9	3- -0							3- -5
	4- -3		4- -4	4- -5	4- -6	4- -7		4- -9								
	5- -3		5- -4			5- -7		5- -9								
	6- -3		6- -4			6- -7		6- -9								
	7- -3					7- -7										

**External Locking - Selectively Loaded**

TIN PLATED																
No. of Pos.	3		4	5	6	7	8	9	10		11	12	13	14	15	
X-1971921-Y	1- -3	8- -3		1- -5		1- -7		1- -9		X-1971922-Y	1- -1		1- -3		1- -5	
	2- -3	9- -3		2- -5		2- -7		2- -9			2- -1					2- -5
	3- -3	-3		3- -5		3- -7		3- -9								3- -5
	4- -3			4- -5		4- -7		4- -9								
	5- -3			5- -5		5- -7		5- -9								
	6- -3					6- -7										
	7- -3															

SILVER PLATED																
No. of Pos.	3		4	5	6	7	8	9	10		11	12	13	14	15	
X-1971923-Y	1- -3	8- -3		1- -5		1- -7		1- -9		X-1971924-Y	1- -1		1- -3		1- -5	
	2- -3	9- -3		2- -5		2- -7		2- -9			2- -1					2- -5
	3- -3	-3		3- -5		3- -7		3- -9								3- -5
	4- -3			4- -5		4- -7		4- -9								
	5- -3			5- -5		5- -7		5- -9								
	6- -3					6- -7										
	7- -3															

**Internal Locking - Fully Loaded**

TIN PLATED																
No. of Pos.	3		4	5	6	7	8	9	10		11	12	13	14	15	
X-1971819-Y	1- -3	8- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	1- -0	X-1971820-Y	1- -1	1- -2	1- -3	1- -4	1- -5	
	2- -3	9- -3	2- -4	2- -5	2- -6	2- -7	2- -8	2- -9	2- -0		2- -1					2- -5
	3- -3	-3	3- -4	3- -5	3- -6	3- -7	3- -8	3- -9	3- -0							3- -5
	4- -3		4- -4	4- -5	4- -6	4- -7		4- -9								
	5- -3		5- -4			5- -7		5- -9								
	6- -3					6- -7										
	7- -3															

SILVER PLATED																
No. of Pos.	3		4	5	6	7	8	9	10		11	12	13	14	15	
X-1971839-Y	1- -3	8- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	1- -0	X-1971840-Y	1- -1	1- -2	1- -3	1- -4	1- -5	
	2- -3	9- -3	2- -4	2- -5	2- -6	2- -7	2- -8	2- -9	2- -0		2- -1					2- -5
	3- -3	-3	3- -4	3- -5	3- -6	3- -7	3- -8	3- -9	3- -0							3- -5
	4- -3		4- -4	4- -5	4- -6	4- -7		4- -9								
	5- -3		5- -4			5- -7		5- -9								
	6- -3					6- -7										
	7- -3															

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