

RAST5 Positive lock connector with innerwall

1. INTRODUCTION

1.1 Purpose

This is product validation test. The purpose of this test is to evaluate the performance of RAST5 Positive lock connector with inner wall. Testing was performed on below products to determine its compliance with the requirements of 108-143029 Rev. C.

1.2 Scope

This specification covers the electrical, mechanical, and environmental performance for RAST5 Positive lock connector with inner wall. Testing was performed at TE Connectivity Shanghai Electrical Test Laboratory (Building ID 554) between 2021-04-08 and 2021-05-25.

The associated test number is TP-21-00717.

1.3 Conclusion

Based on the test results, all samples meet the requirement according to customer requirement except Mating Force & Unmating Force.

The results in this report only effect on the sampling specimens.

1.4 Test Specimens

Specimens with the following part numbers were used for test:

Test Group	Part No.	Description	Qty. (pcs)	Part No.	Description	Qty. (pcs)	Comments
1	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	5	2238135-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	10	with 14AWG
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	5	2238135-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	25	with 14AWG
	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	5	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	10	with 22AWG
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	5	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	25	with 22AWG
	2371466-2	2P, RAST5 HEADER ASSY, P-LOC. SHRD	10	/	/	/	/
	2371673-5	5P, RAST5 HEADER ASSY, P-LOC. SHRD	10	/	/	/	/
2	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	5	2238135-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	10	with 14AWG
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	5	2238135-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	25	with 14AWG
	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	5	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	10	with 22AWG
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	5	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	25	with 22AWG
	2371466-2	2P, RAST5 HEADER ASSY, P-LOC. SHRD	10	/	/	/	/
	2371673-5	5P, RAST5 HEADER ASSY, P-LOC. SHRD	10	/	/	/	/
3	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	3	/	/	/	/
	2371464-3	3P, RAST5 P-LOCK HSG, INNER SLOT	3	/	/	/	/
	2371464-4	4P, RAST5 P-LOCK HSG, INNER SLOT	3	/	/	/	/
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	3	/	/	/	/
	/	/	/	2238136-	RECEPTACLE, POSITIVE-	45	with

Test Group	Part No.	Description	Qty. (pcs)	Part No.	Description	Qty. (pcs)	Comments
				2	LOCK, RAST 6.35		crimped
4	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	18	/	/	/	/
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	18	/	/	/	/
	2371466-2	2P, RAST5 HEADER ASSY, P-LOC. SHRD	18	/	/	/	/
	2371673-5	5P, RAST5 HEADER ASSY, P-LOC. SHRD	18	/	/	/	/
5	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	6	/	/	/	/
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	6	/	/	/	/
	2371466-2	2P, RAST5 HEADER ASSY, P-LOC. SHRD	6	/	/	/	/
	2371673-5	5P, RAST5 HEADER ASSY, P-LOC. SHRD	6	/	/	/	/
6	2371464-2	2P, RAST5 P-LOCK HSG, INNER SLOT	6	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	12	without crimped
	2371464-3	3P, RAST5 P-LOCK HSG, INNER SLOT	6	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	18	without crimped
	2371464-4	4P, RAST5 P-LOCK HSG, INNER SLOT	6	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	24	without crimped
	2371464-5	5P, RAST5 P-LOCK HSG, INNER SLOT	6	2238136-2	RECEPTACLE, POSITIVE-LOCK, RAST 6.35	30	without crimped
	2371466-2	2P, RAST5 HEADER ASSY, P-LOC. SHRD	6	/	/	/	/
	2371466-3	3P, RAST5 HEADER ASSY, P-LOC. SHRD	6	/	/	/	/
	2371466-4	4P, RAST5 HEADER ASSY, P-LOC. SHRD	6	/	/	/	/
	2371673-5	5P, RAST5 HEADER ASSY, P-LOC. SHRD	6	/	/	/	/

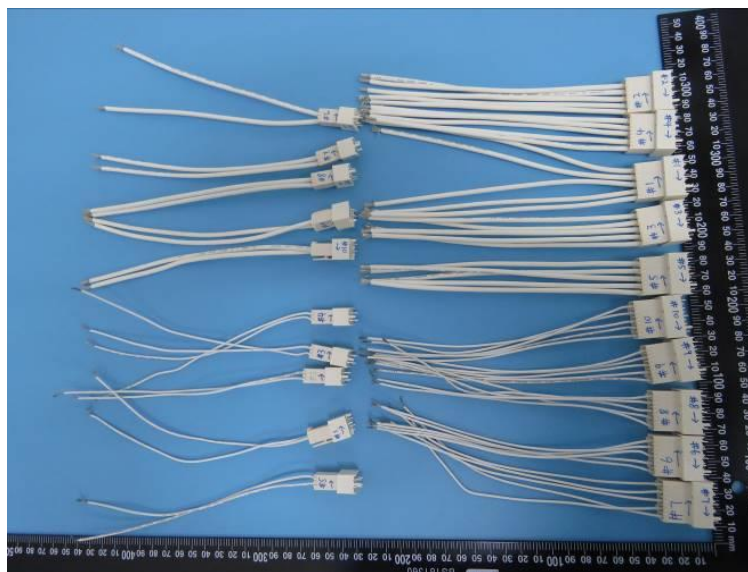


Fig.1 Typical Specimens

1.5 Test Sequence

Test Item	Test Group					
	1	2	3	4	5	6
	Test Sequence					
Contact Extraction Force			3			
Contact Insertion Force			2			
Current Temperature Derating Curve	3,10					
Dielectric Withstanding Voltage		3,7				
Examination of Product	1,11	1,8	1,4	1	1,3	
Glow Wire Test				2		
Housing Locking Mechanism Strength Test					2	
Humidity and Temperature Cycling	4	5				
Insulation Resistance		2,6				
Low Level Contact Resistance	2,5,7,9					
Mating Force & Unmating Force						2
Temperature Life	6					
Thermal Shock		4				
Vibration Test	8					

Note: a). Test group defined per customer requirement.
 b). Numbers indicate sequence in which tests are performed.

1.6 Environmental Conditions

Unless otherwise stated, the following environmental conditions prevailed during testing:

Temperature: 15 °C to 35 °C
 Relative Humidity: 25% to 75%

2. TEST PROCEDUES

2.1 Contact Extraction Force

Contact Retention Force in Plastic Housing EIA-364-05 Operation Speed: 25 mm/min
 Requirement: 60 N (minimum)
 Test Method: EIA-364-05B-1998

2.2 Contact Insertion Force

Contact Insertion Force into Plastic Housing. Operation Speed: 25 mm/min
 Requirement: 13.35 N (maximum)
 Test Method: ECIA EIA-364-05C-2020

2.3 Current Temperature Derating Curve

Wires must be 500 mm (minimum) in length. The specimens are connected in series circuit and carried out the specimen temperature rise is 30 °C under ambient temperature with its upper limit temperature is 105 °C, to look for 30 °C T-rise corresponding applicable highest working temperature and the highest current at derating curve.
 Requirement: Generate Derating Curve.
 Test Method: IEC 60512-5-2-2002

2.4 Dielectric Withstanding Voltage

Apply 3000 VAC to adjacent contacts and hold at specified voltage for 1 minute. Test on unmated connectors.
 Requirement: No breakdown or flashover. Leakage current: 0.5 mA maximum
 Test Method: ECIA EIA-364-20F-2019

2.5 Examination of Product

Visual check the specimens.
 Requirement: No physical damage or corrosive influence.
 Test Method: ECIA EIA-364-18B-2017

2.6 Glow Wire Test

The extremity of the wire was positioned horizontally and brought into contact with the specimen with a force between 0.8 N and 1.05 N for a period of 30 s. Penetration depth was less than 7 mm, and wrapping tissue was positioned at (200±5) mm below the place where the glow-wire was applied to the specimen.

Test Temperature: 750 °C. 850 °C.

Requirement: No flame or $t_E - t_i < 2$ s (750 °C)

No flame or $t_E \leq t_A + 30$ s (850 °C)

Test Method: IEC 60335-1-2020

2.7 Housing Locking Mechanism Strength Test

Measure connector locking strength. Operation Speed: 13 mm/min.

Requirements: 2P-10P Housings: 19.6 N (2.0 kgf) (minimum)

Test Method: ECIA EIA-364-98-1997(R2009)

2.8 Humidity and Temperature Cycling

Subject mated specimens for 10 cycles for 10 hours per cycle (100 hours total) between a temperature of 25 °C and 55 °C. Each cycle consists of 7 steps. Final measurement shall be made after completing Step 6 of the final cycle.

Requirement: No damage which could impair normal usage

Test Method: ECIA EIA-364-31F-2019

2.9 Insulation Resistance

Apply 500 VDC between adjacent contacts. Test on unmated connectors.

Requirement: Initial: 5000 MΩ (megaohms) minimum

Final: 5000 MΩ (megaohms) minimum

Test Method: ECIA EIA-364-21 E-2014

2.10 Low Level Contact Resistance

Measure between mating tab and at wire 50 mm from end of contact. (Protect wire from corrosion during testing.) Test on mated connectors. Subtract bulk wire resistance from measurement. See Figure 2. Test current: 100 mA (maximum)

Voltage: 20 mV (maximum)

Requirement: Initial: 2 mΩ (milliohms) maximum

Final: 4 mΩ (milliohms) maximum

Test Method: ECIA EIA-364-23C-2006

2.11 Mating Force & Unmating Force

Measure force necessary to mate/unmate samples at maximum rate of 25.4 mm a minute. Include contact. exclude HSG latch.

Requirements: Mate 15 N Max per contact;

Unmate: 2 N Min. per contact

Test Method: ECIA EIA-364-13E-2011

2.12 Temperature Life

EIA-364-17, Method A, Test Condition 4c Subject connectors to 105 °C for 500 hours. Test on mated connectors.

Requirement: No damage which could impair normal usage.

Test Method: 108-143029 Rev. C

2.16 Thermal Shock

EIA-364-32, Method A, Condition VIII, Duration A-1

Subject mated connectors to:

Thermal Shock Duration = 25 cycles

Dwell time = 30 minutes

Min Temp = - 40 °C

Max Temp = 105 °C

Rate of change: < 5 minutes

Requirement: No damage which could impair normal usage

Test Method: ECIA EIA-364-32G-2014

2.17 Vibration Test

EIA-364-28, Condition VII, Level D Subject mated connectors to 0.02 g² /Hz between 20 Hz and 500 Hz. Apply 15 minutes in each axis. Test to be performed at the 18 °C temperature rise current level. Header to be clamped horizontal to test base. Wires to be clamped 125 mm from exit of connector housing.

Requirement: No damage which could impair normal usage. All components must remain assembled.

No contact interruptions greater than 1 μs.

Test Method: 108-143029 Rev. C

3. SUMMARY OF TEST

Group	SN	Description	Test Item	Qty (pcs)	Test Result				Requirement	Conclusion	View
					Max	Min	Avg	Unit			
1	1	/	Examination of Product	20	No physical damage			/	No physical damage	Meet Spec	/
	2	2371464-2(14AWG)	Low Level Contact Resistance	5	0.65	0.49	0.57	mΩ	2 mΩ Max.	Meet Spec	View
	2	2371464-2(22AWG)	Low Level Contact Resistance	5	0.88	0.55	0.73	mΩ	2 mΩ Max.	Meet Spec	View
	2	2371464-5(22AWG)	Low Level Contact Resistance	5	1.03	0.52	0.74	mΩ	2 mΩ Max.	Meet Spec	View
	2	2371464-5(14AWG)	Low Level Contact Resistance	5	1.34	0.38	0.67	mΩ	2 mΩ Max.	Meet Spec	View
	3	2371464-2 14AWG	Current Temperature Derating Curve	5	The temperature rise value reach 30 °C when the loading current is 19.0 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 15.9 A&75 °C ambient temperature.			/	Generate Derating Curve.	See Appendix	View
	3	2371464-2 22AWG	Current Temperature Derating Curve	5	The temperature rise value reach 30 °C when the loading current is 8.2 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 6.6 A&75 °C ambient temperature.			/	Generate Derating Curve.	See Appendix	View
	3	2371464-5 14AWG	Current Temperature Derating Curve	5	The temperature rise value reach 30 °C when the loading current is 17.1 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 13.7 A&75 °C ambient temperature.			/	Generate Derating Curve.	See Appendix	View
	3	2371464-5 22AWG	Current Temperature Derating Curve	5	The temperature rise value reach 30 °C when the loading current is 9.6 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the			/	Generate Derating Curve.	See Appendix	View

Group	SN	Description	Test Item	Qty (pcs)	Test Result				Requirement	Conclusion	View	
					Max	Min	Avg	Unit				
					current 7.7 A & 75 °C ambient temperature.							
4	/		Humidity and Temperature Cycling	20	No physical damage was found after test.				/	No physical damage	Meet Spec	View
5	2371464-2(14AWG)		Low Level Contact Resistance	5	0.86	0.57	0.67	mΩ	4 mΩ Max.	Meet Spec	View	
5	2371464-2(22AWG)		Low Level Contact Resistance	5	1.34	0.79	1.05	mΩ	4 mΩ Max.	Meet Spec	View	
5	2371464-5(22AWG)		Low Level Contact Resistance	5	1.39	0.76	0.99	mΩ	4 mΩ Max.	Meet Spec	View	
5	2371464-5(14AWG)		Low Level Contact Resistance	5	1.13	0.58	0.73	mΩ	4 mΩ Max.	Meet Spec	View	
6	HSG		Temperature Life	20	No physical damage was found after test.				/		Meet Spec	View
7	2371464-2(14 AWG)		Low Level Contact Resistance	5	1.02	0.51	0.70	mΩ	4 mΩ Max.	Meet Spec	View	
7	2371464-2(22 AWG)		Low Level Contact Resistance	5	1.34	0.55	0.92	mΩ	4 mΩ Max.	Meet Spec	View	
7	2371464-5(14 AWG)		Low Level Contact Resistance	5	0.92	0.40	0.64	mΩ	4 mΩ Max.	Meet Spec	View	
7	2371464-5(22 AWG)		Low Level Contact Resistance	5	1.17	0.68	0.87	mΩ	4 mΩ Max.	Meet Spec	View	
8	All samples		Vibration Test	20	No physical damage or no electrical discontinuity greater than 1 μs were found during and after test.				/	No physical damage or no electrical discontinuity greater than 1 μs	Meet Spec	View
9	2371464-2(14AWG)		Low Level Contact Resistance	5	0.89	0.64	0.75	mΩ	4 mΩ Max	Meet Spec	View	
9	2371464-2(22AWG)		Low Level Contact Resistance	5	1.30	0.92	1.06	mΩ	4 mΩ Max	Meet Spec	View	
9	2371464-5(14AWG)		Low Level Contact Resistance	5	1.23	0.58	0.79	mΩ	4 mΩ Max	Meet Spec	View	
9	2371464-5(22AWG)		Low Level Contact Resistance	5	1.44	0.59	0.96	mΩ	4 mΩ Max	Meet Spec	View	
10	2371464-2 14AWG		Current Temperature Derating Curve	5	The temperature rise value reach 30 °C when the loading current is 19.8 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 15.8 A & 75 °C ambient temperature.				/	Generate Derating Curve.	See Appendix	View
10	2371464-2		Current	5	The temperature rise				/	Generate	See	View

Group	SN	Description	Test Item	Qty (pcs)	Test Result				Requirement	Conclusion	View
					Max	Min	Avg	Unit			
10		22AWG	Temperature Derating Curve		value reach 30 °C when the loading current is 7.6 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 6.1 A&75 °C ambient temperature.				Derating Curve.	Appendix	
		2371464-5 14AWG	Current Temperature Derating Curve	5	The temperature rise value reach 30 °C when the loading current is 17.2 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 13.8 A&75 °C ambient temperature.				Generate Derating Curve.	See Appendix	View
		2371464-5 22AWG	Current Temperature Derating Curve	5	The temperature rise value reach 30 °C when the loading current is 9.4 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 7.5 A&75 °C ambient temperature.				Generate Derating Curve.	See Appendix	View
		/	Examination of Product	20	No physical damage				No physical damage	Meet Spec	/
2	1	/	Examination of Product	20	No physical damage				No physical damage	Meet Spec	/
	2	2P-22 AWG	Insulation Resistance	5	7.50	2.22	5.33	10 ¹¹ Ω	5000 MΩ Min.	Meet Spec	View
	2	2P-14 AWG	Insulation Resistance	5	6.38	1.29	3.65	10 ¹¹ Ω	5000 MΩ Min.	Meet Spec	View
	2	5P-22 AWG	Insulation Resistance	5	65.70	1.26	17.18	10 ¹¹ Ω	5000 MΩ Min.	Meet Spec	View
	2	5P-14 AWG	Insulation Resistance	5	63.30	1.16	18.51	10 ¹¹ Ω	5000 MΩ Min.	Meet Spec	View
	3	/	Dielectric Withstanding Voltage	20	No breakdown or flashover				No breakdown or flashover	Meet Spec	View
	4	/	Thermal Shock	20	No physical damage was found after test.				No physical damage	Meet Spec	View
	5	/	Humidity and Temperature Cycling	20	No physical damage was found after test.				No physical damage	Meet Spec	View
	6	2P-22 AWG	Insulation Resistance	5	8.86	1.95	5.05	10 ¹¹ Ω	5000 MΩ Min.	Meet Spec	View
	6	2P-14 AWG	Insulation Resistance	5	5.58	2.12	3.72	10 ¹¹ Ω	5000 MΩ Min.	Meet Spec	View
	6	5P-22 AWG	Insulation Resistance	5	6.36	1.45	2.45	10 ¹¹ Ω	5000 MΩ Min.	Meet Spec	View
	6	5P-14	Insulation	5	8.24	1.08	3.31	10 ¹¹ Ω	5000 MΩ	Meet Spec	View

Group	SN	Description	Test Item	Qty (pcs)	Test Result			Unit	Requirement	Conclusion	View
					Max	Min	Avg				
		AWG	Resistance						Min.		
	7	/	Dielectric Withstanding Voltage	20	No breakdown or flashover.			/	No breakdown or flashover.	Meet Spec	View
	8	/	Examination of Product	20	No physical damage			/	No physical damage	Meet Spec	/
3	1	/	Examination of Product	12	No physical damage			/	No physical damage	Meet Spec	/
	2	2371464-2	Contact Insertion Force	3	12.4	10.7	11.8	N	13.35 N Max.	Meet Spec	View
	2	2371464-3	Contact Insertion Force	3	13.1	11.9	12.5	N	13.35 N Max.	Meet Spec	View
	2	2371464-4	Contact Insertion Force	3	12.4	10.6	11.6	N	13.35 N Max.	Meet Spec	View
	2	2371464-5	Contact Insertion Force	3	13.0	11.2	12.1	N	13.35 N Max.	Meet Spec	View
	3	2371464-2	Contact Extraction Force	3	92.4	82.3	87.2	N	60 N Min.	Meet Spec	View
	3	2371464-3	Contact Extraction Force	3	90.2	78.5	85.6	N	60 N Min.	Meet Spec	View
	3	2371464-4	Contact Extraction Force	3	99.2	82.1	89.9	N	60N Min.	Meet Spec	View
	3	2371464-5	Contact Extraction Force	3	91.5	82.9	86.0	N	60 N Min.	Meet Spec	View
	4	/	Examination of Product	12	No physical damage			/	No physical damage	Meet Spec	/
4	1	/	Examination of Product	8	No physical damage			/	No physical damage	Meet Spec	/
	2	750°C	Glow Wire Test	4	No flame or $t_E - t_i < 2s$			/	No flame or $t_E - t_i < 2s$	Meet Spec	View
	2	850°C	Glow Wire Test	4	Flame duration ≤ 30 seconds			/	Flame duration ≤ 30 seconds	Meet Spec	View
5	1	/	Examination of Product	12	No physical damage			/	No physical damage	Meet Spec	/
	2	2371464-2 mated with 2371466-2	Housing Locking Mechanism Strength Test	6	60.5	20.3	34.7	N	19.6 N Min.	Meet Spec	View
	2	2371464-5 mated with 2371673-5	Housing Locking Mechanism Strength Test	6	67.2	35.9	55.7	N	19.6 N Min.	Meet Spec	View
	3	/	Examination of Product	12	No physical damage			/	No physical damage	Meet Spec	/
6	2	2371464-2 & 2371466-2 Mating Force	Mating Force & Unmating Force	6	54.4	50.0	52.4	N	30 N Max.	Not Meet Spec	View
	2	2371464-3 & 2371466-3 Mating Force	Mating Force & Unmating Force	6	82.1	78.6	80.4	N	45 N Max.	Not Meet Spec	View
	2	2371464-4 &	Mating Force & Unmating	6	110.3	104.6	108.1	N	60 N Max.	Not Meet Spec	View

Group	SN	Description	Test Item	Qty (pcs)	Test Result				Requirement	Conclusion	View
					Max	Min	Avg	Unit			
		2371466-4 Mating Force	Force								
2		2371464-5 & 2371673-5 Mating Force	Mating Force & Unmating Force	6	128.6	124.0	126.2	N	75 N Max.	Not Meet Spec	View
2		2371464-2 & 2371466-2 Un-mating Force	Mating Force & Unmating Force	5	67.8	55.6	62.9	N	4 N Min.	Meet Spec	View
2		2371464-3 & 2371466-3 Un-mating Force	Mating Force & Unmating Force	5	112.3	71.3	84.7	N	6 N Min.	Meet Spec	View
2		2371464-4 & 2371466-4 Un-mating Force	Mating Force & Unmating Force	5	156.3	91.6	111.7	N	8 N Min.	Meet Spec	View
2		2371464-5 & 2371673-5 Un-mating Force	Mating Force & Unmating Force	5	142.8	71.6	108.0	N	10N Min.	Meet Spec	View

4. VALIDATION

Requested by:

Cheon, Ki Deok

2021-03-19

TE Connectivity Product Engineering

Prepared by:

Wintan Feng

2021-06-03

TE Connectivity Shanghai Electrical Components Test Lab.

Approved by:

Horlan Wu

2021-06-03

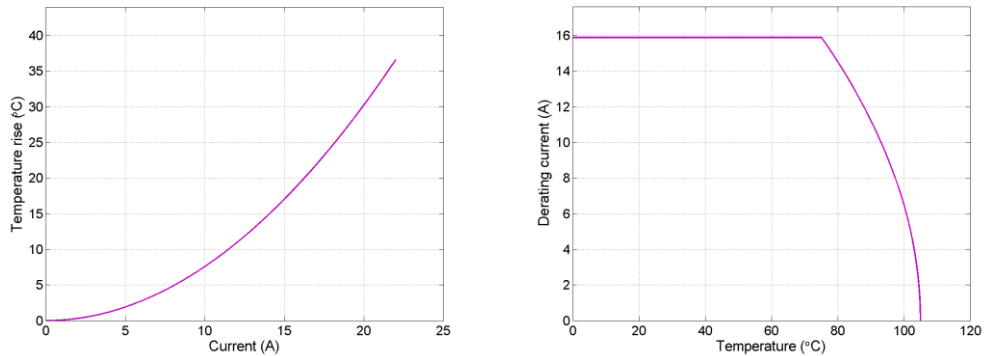
Test Manager

TE Connectivity Shanghai Electrical Components Test Lab.

Appendix:

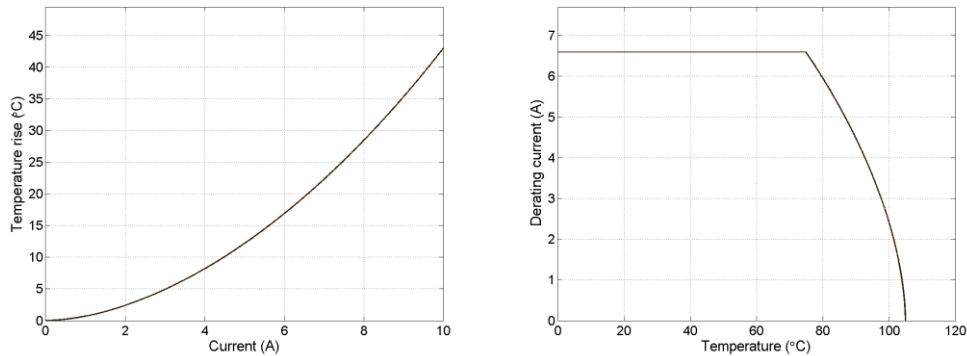
Derating Curve of TP-21-00717-1-003

2371464-2 14AWG:



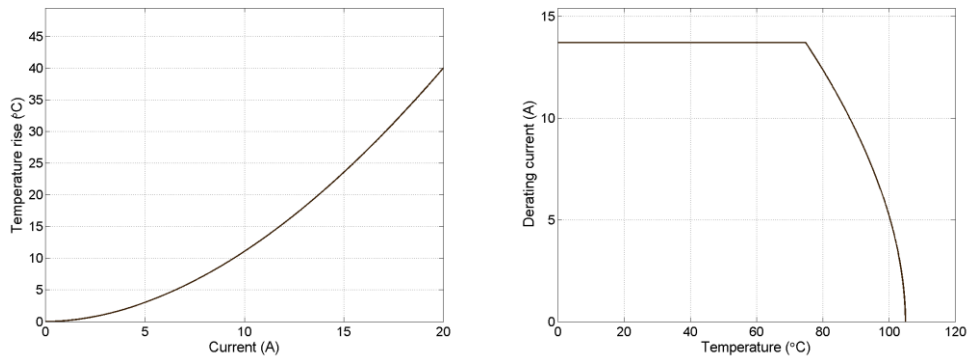
PS: The temperature rise value reach 30 °C when the loading current is 19.0 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 15.9 A&75 °C ambient temperature.

2371464-2 22AWG:



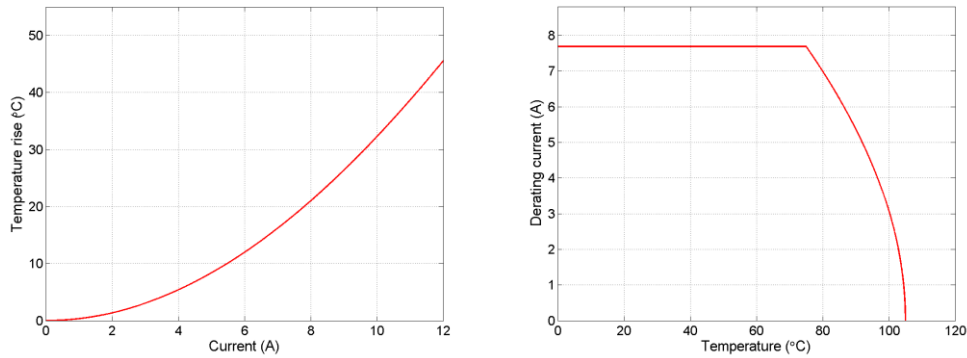
PS: The temperature rise value reach 30 °C when the loading current is 8.2 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 6.6 A&75 °C ambient temperature.

2371464-5 14AWG:



PS: The temperature rise value reach 30 °C when the loading current is 17.1 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 13.7 A&75 °C ambient temperature.

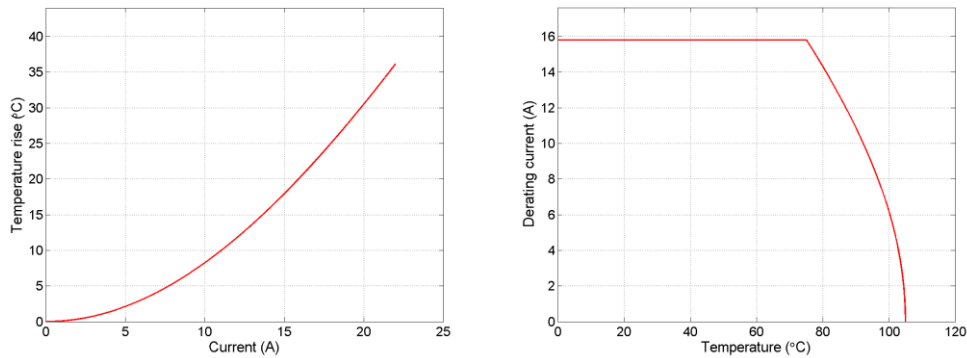
2371464-5 22AWG:



PS: The temperature rise value reach 30°C when the loading current is 9.6 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 7.7 A&75 °C ambient temperature

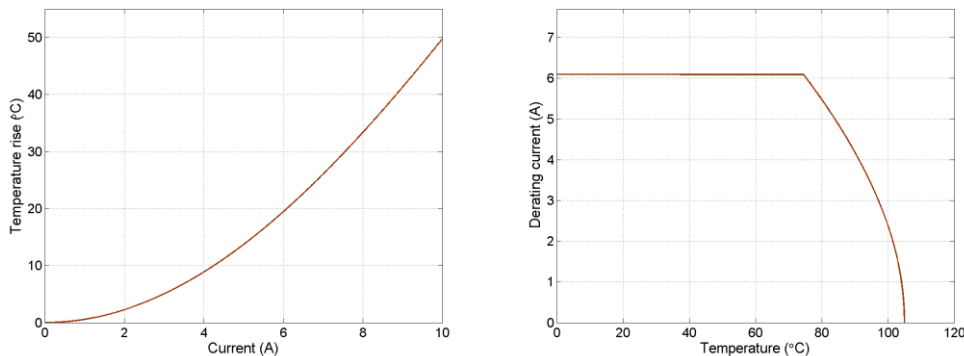
Derating Curve of TP-21-00717-1-010

2371464-2 14AWG:



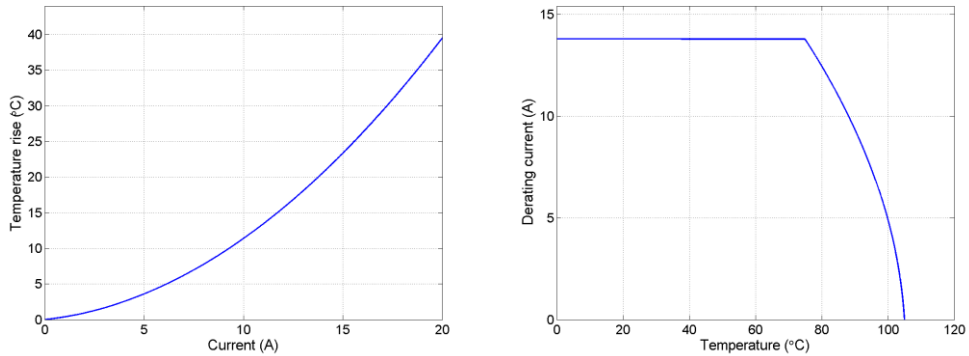
PS: The temperature rise value reach 30°C when the loading current is 19. 8A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 15.8 A&75 °C ambient temperature.

2371464-2 22AWG:



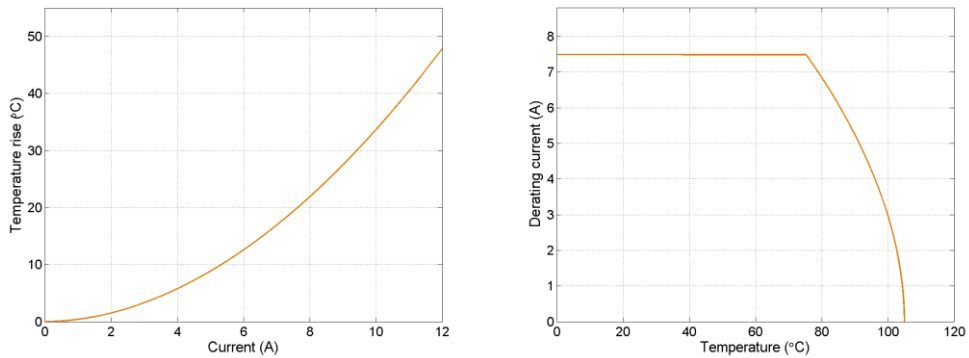
PS: The temperature rise value reach 30 °C when the loading current is 7.6 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 6.1 A & 75 °C ambient temperature.

2371464-5 14AWG:



PS: The temperature rise value reach 30 °C when the loading current is 17.2 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 13.8 A & 75 °C ambient temperature.

2371464-5 22AWG:



PS: The temperature rise value reach 30 °C when the loading current is 9.4 A after date fitting the current versus average temperature rise value. The break-point of derating curve corresponds to the current 7.5 A & 75 °C ambient temperature.

----- **END OF REPORT** -----