



RVA-0106M-1.25FF-1

1.25mm Pitch, 6-pin Molex connector, 150mm long, 1:1 Cable

Rev.1.1
2023-01-04





1. REVISION RECORD

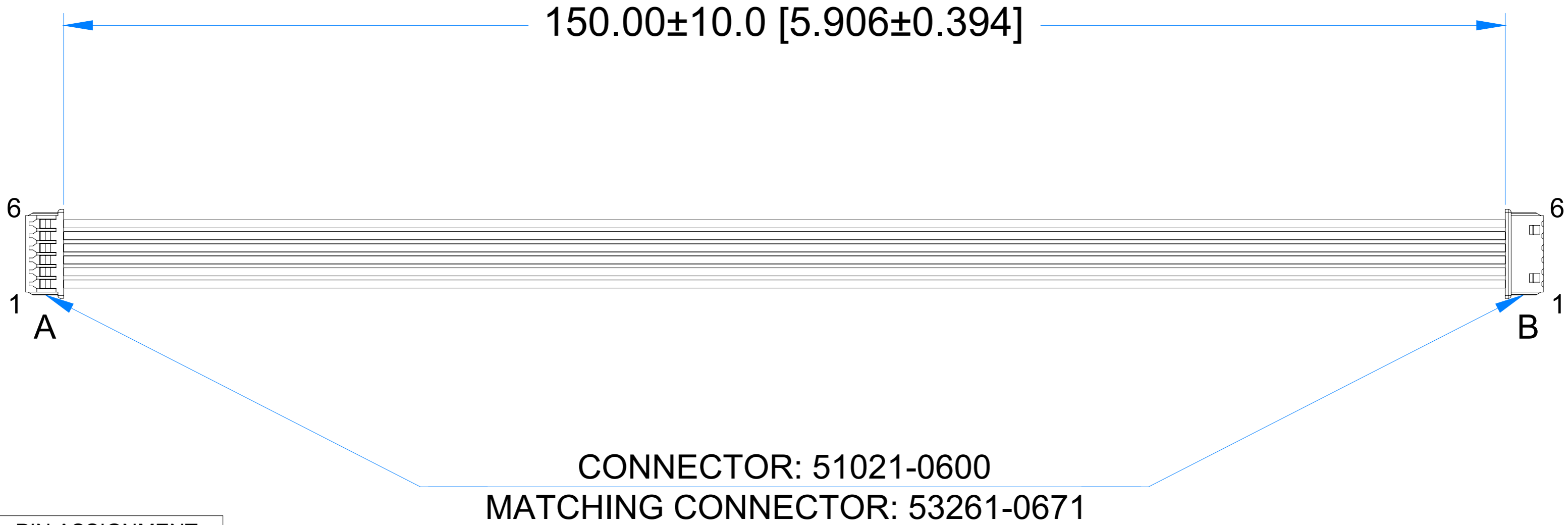
REV NO.	REV DATE	CONTENTS	REMARKS
1.0	2021-10-25	Initial Release	
1.1	2023-01-04	<ul style="list-style-type: none">• Change of the cable color• Change of the wire spec: From UL1571 28AWG 80 °C 30V VW-1 To UL1061 28AWG 80 °C 300V VW-1	



2. CONTENTS


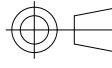
- 1. REVISION RECORD..... 2
- 2. CONTENTS..... 3
- 3. DRAWING..... 4
- 4. WIRE SPECIFICATION 5
 - 4.1 Electrical properties..... 5
 - 4.2 Physical properties..... 5
- 5. CRIMP TERMINALS SEPCIFICATION 6
 - 5.1 Electrical and physical properties..... 6
- 6. CRIMP HOUSING SPECIFICATION..... 6
 - 6.1 Electrical and physical properties..... 6
- 7. LEGAL INFORMATION..... 7

Revision:	Changes:	Date:
1.0	Initial Case	2021.11.05
1.1	Update change of the color cable	2022.11.14



PIN ASSIGNMENT		
A	B	COLOR
1	1	RED
2	2	RED
3	3	RED
4	4	GREY
5	5	BLACK
6	6	BLACK

GENERAL NOTES:
1. PITCH SIZE:1.25MM
2. NUMBER OF PIN: 6
3. 1:1 'SYMMETRIC TYPE WIRING'
4. RoHS COMPLIANT

PN: RVA-0106M-1.25FF-1			
SN:			
DRAWN: M.Natywa	2022.11.14	1:0.40	
CHECKED: Carol Gao	2022.11.14	[mm]	
APPR:		ISO A3	
			P. 1 of 1



4. WIRE SPECIFICATION

ITEM		DESCRIPTION
UL style		UL1061
Conductor	Material	Tinned Copper Wire Stranded
	Construction	28AWG; 7 strands / 0.127 ± 0.007 mm
Insulation	Size	28 AWG
	Material	SR-PVC
	Thickness	0.20(Min) - 0.24mm(Max)
	Diameter	0.9 ± 0.08mm

4.1 Electrical properties

ITEM	DESCRIPTION
Voltage rating	300V
Temperature rating	80 °C
Spark test	Min. AC - 500V
Dielectric strength	Min. AC - 500V/1 min
Insulation resistance	Min 10 Mega Ohms-km at 20 °C
Conductor resistance	Max 239 Ohms/km at 20 °C

4.2 Physical properties

ITEM	DESCRIPTION
Flame test of cable	VW-1
Deformation	Max. 50% @121 °C, 1 hour
Heat shock test	No crack. 50% @121 °C, 1 hour
Cold bend test	No crack. 50% @-10 °C, 1 hour



5. CRIMP TERMINALS SPECIFICATION

5.1 Electrical and physical properties

ITEM	DESCRIPTION
Gender	Female
Material -Metal	Phosphor Bronze Tin plated
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Temperature Range - Operating	-25° C to +85°C
Voltage rating	125V
Insulation resistance	Min 100 Megaohm
Contact resistance	Max 20 Milliohm

6. CRIMP HOUSING SPECIFICATION

6.1 Electrical and physical properties

ITEM	DESCRIPTION
Pitch size	1.25mm
No. of pins	6
Current rating	1A
Voltage rating	125V
Flammability	UL94V-0
Glow-Wire Capable	No
Material - Resin	Nylo66
Temperature Range - Operating	-25° C to +85°C



7. LEGAL INFORMATION

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