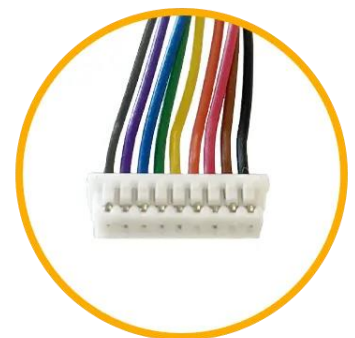




RVA-0109M-1.25FF

1.25mm Pitch, 9-pin Molex connector, 150mm long, 1:1 Cable

Rev.1.0
2021-10-25





1. REVISION RECORD

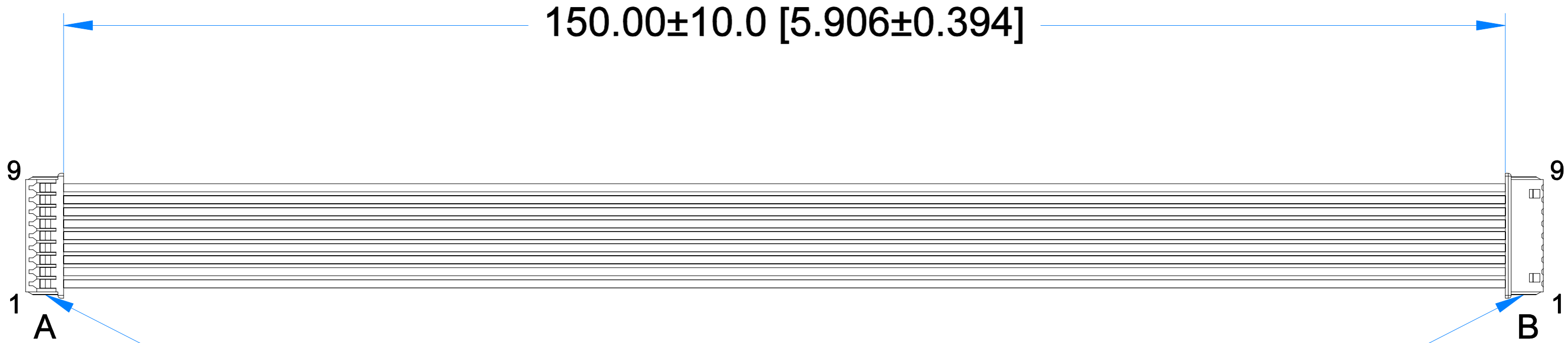
REV NO.	REV DATE	CONTENTS	REMARKS
1.0	2021-10-25	Initial Release	



2. CONTENTS

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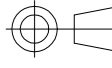
Revision:	Changes:	Date:
1.0	Initial Case	2021.11.05



CONNECTOR: 51021-0900
MATCHING CONNECTOR: 53261-0971

PIN ASSIGNMENT		
A	B	COLOR
1	1	BLACK
2	2	BROWN
3	3	RED
4	4	ORANGE
5	5	YELLOW
6	6	GREEN
7	7	BLUE
8	8	PURPLE
9	9	GREY

- GENERAL NOTES:**
- PITCH SIZE:1.25MM
 - NUMBER OF PIN: 9
 - 1:1 'SYMMETRIC TYPE WIRING'
 - RoHS COMPLIANT

PN: RVA-0109M-1.25FF			
SN:			
DRAWN: M.Natywa	2021.11.05	1:0.40	
CHECKED: Carol Gao	2021.11.08	[mm]	
APPR:		ISO A3	
			P. 1 of 1



4. WIRE SPECIFICATION

UL Style: 1571 80 °C 30 V

Use: For internal wiring of class 2 circuits in electronic equipment.

ITEM		DESCRIPTION
No. of Cores		1
Conductor	Material	Tinned Copper Wire Stranded
	Construction	28AWG; 7 strands / 0.127 ± 0.008 mm
Insulation	Material	SR-PVC
	Thickness	0.23mm
	Diameter	0.84 ± 0.05 mm

4.1 Electrical properties

ITEM	DESCRIPTION
Voltage rating	30V
Temperature rating	80 °C
Spark test	Min. AC - 500V
Dielectric strength	Min. AC - 500V/1 min
Insulation resistance	Min 2.5Mega Ohms-km at 20 °C
Conductor resistance	Max 237 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 SEPCIFICATION

5.1 Electrical properties

Voltage -Maximum: 125V (RMS)

5.2 Physical properties

ITEM	DESCRIPTION
Gender	Female
Material -Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold

6. CRIMP HOUSING SPECIFICATION

6.1 Physical properties

ITEM	DESCRIPTION
Pitch size	1.25mm
No. of pins	9
Flammability	94V-0
Glow-Wire Capable	No
Material - Resin	Polyester
Temperature Range - Operating	-40° C to +105°C



7. LEGAL INFORMATION

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