



VGA 3+9 Female Connector Specifications

1. Basic Specifications

- Interface Type: Female (15-pin D-Sub)
- Application: For VGA 3+9 Video Cables (3 Coaxial RGB + 9 Signal Wires)
- Housing: Plastic Shielded Casing(PP plastic)
- Connector insulator: PBT+30%GF (UL94V-0)
- Contact: Brass
- Contact plated: Nickel
- Connector shell plated: Cu60μ/Ni100μ

2. Electrical Ratings

- Rated Voltage: 30V DC
- Rated Current per Pin: 0.5A
- Withstand Voltage: AC 500V (Insulation)
- Contact Resistance: $\leq 50\text{m}\Omega$
- Insulation Resistance: $\geq 100\text{M}\Omega$

3. Mechanical & Environmental

- Pins/Holes: 15 pins /holes
- Pin/ Holes Pitch: 2.743mm
- Insertion/Extraction Cycles: ≥ 200 times
- Operating Temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$

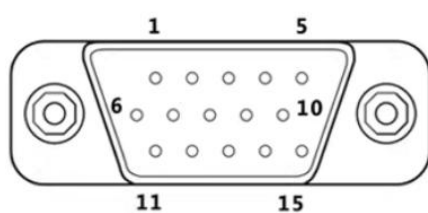
4. Standard Pinout (VGA 3+9)

- 1 R - Red Video
- 2 G - Green Video
- 3 B - Blue Video
- 4 ID2/Address
- 5 GND - Ground
- 6 R GND - Red Ground
- 7 G GND - Green Ground
- 8 B GND - Blue Ground
- 9 KEY - Optional Power Output
- 10 GND - Ground
- 11 ID0/Address
- 12 ID1/SDA
- 13 HSYNC - Horizontal Sync
- 14 VSYNC - Vertical Sync
- 15 ID3/SCL

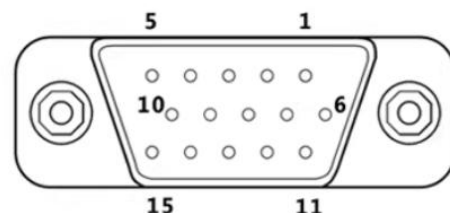
5. Applicable Cables

- RGB: 75Ω Coaxial Cable
- Signal Wires: 28AWG / 26AWG
- Long-term Current Limit: $\leq 0.5A$ per pin

Pin/holes number description

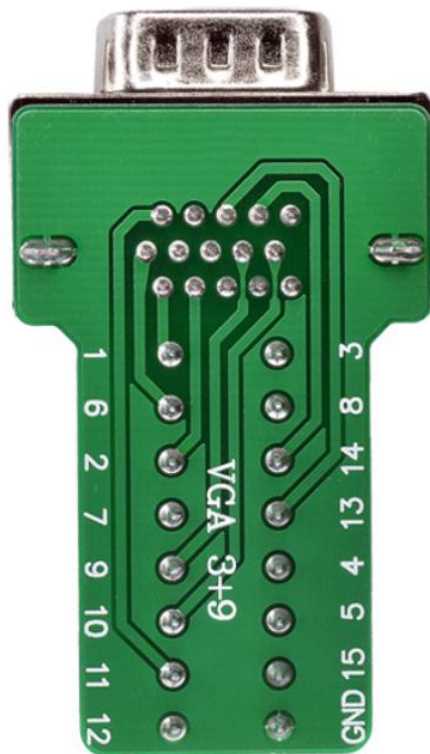


VGA Male (PIN)



VGA Female (Holes)

6. Detailed dimension



The suitability of the product for specific applications must be verified by the user.
Specifications are subject to change without prior notice.
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