DV2 SERIES CONNECTORS

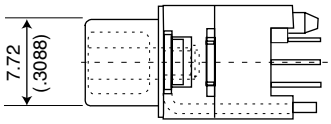
1.905mm (.075") Contact Spacing, EMI Shielded Connector for DVI

The DV2 Series was designed to meet the needs for high performance digital/analog interface between computer graphics input devices and the computer monitor. THE DV@ supports Transmission Minimized Differential Signaling (TMDS), and conforms to the Digital Visual Interface (DVI) standard of the Digital Display Working Group (DDWG).

FEATURES

- Interface connector per DVI (Digital Visual Interface) standardized by DDWG (Digital Display Working Group)
- Digital and Analog/Digital versions
- Impedance control, and low cross talk
- Capable of transmitting high-speed video signals
- Receptacle options: right angle (9.9mm high on board), straight (4.98mm/10.5mm/11.5mm high on board), and right angle with ground plate structure (soldered terminal length 3.3mm)
- Ground plate receptacle versions for improved impedance matching
- Plug shell has grounding dimples, which provide excellent EMI shielding
- Available in Single Link cable harness, with excellent transmission characteristics

Connector Profile (Ref.)



GENERAL SPECIFICATIONS

Number of Contacts	Digital: 24 signal Analog/Digital: 24 signals, 5 coax
Contact Spacing	1.905mm
Current Rating	1.5 Amp per contact
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Contact Resistance	20 milliohms max. (Initial) 30 milliohms max. (After stress)
Applicable Wire Size	Signal Contact: #28 AWG Coax Contact: #30 AWG 750 Hm RGB Coaxial Cable
Operating Temperature	-20°C to +85°C

MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	PBT (white, UL94V-0)
Location Plate	Nylon 6-6
Shell	Steel, Tin plating
Signal Contact	Copper connecting area: Gold 1µm min. over Nickel Terminal Area: Tin-Lead plating
Coaxial Contact	Inner contact: Beryllium Copper Ground contact: Phosphor Bronze Connecting area: Gold 1µm min. over Nickel Terminal area: Tin plating
Earth Lug	Brass, Tin plating
Screw Lock	Steel, Tin plating

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.

ORDERING INFORMATION

DV2 ***** ******* ******* **E**

Series

Contact Type
- P – Plug
- R – Receptacle

No. of Contacts
- 024 – 24 signal contacts
- 029 – 24 signal, 5 coaxial

Mounting Method
- NKA – Right angle, screwlock, soldered terminal length 3.33mm, ground plate
- NKB – Right angle, without screwlock, soldered terminal length 3.33mm, ground plate
- N11 – Right angle, screwlock, solder terminal length 2.34mm
- N12 – Right angle, without screwlock
- N13 – Right angle, screwlock, solder terminal length 3.33mm
- U11 – Straight receptacle, screwlock, mounting height 4.98mm
- U12 – Straight receptacle, screwlock, mounting height 10.5mm
- U13 – Straight receptacle, screwlock, mounting height 11.5mm
- U16 – Straight receptacle, without screwlock, mounting height 11.5mm
- M11 – Cable plug

Lead Free Version

• Please consult JAE for verification of product availability.

Dimensions in mm (inches).