INTRODUCTION
Adam Tech’s High Definition Multimedia Interface (HDMI) connectors and cable assemblies are a series of products that provide an uncompressed digital link between video and audio in a single digital interface connection. Typically they are used with digital versatile disc (DVD) players, digital television (DVI) players, set-top boxes and other audiovisual devices to consolidate interfaces and eliminate multiple cable assemblies. Adam Tech’s HDMI Series are small, easy to use interconnects that can carry up to 5 Gbps of combined video and audio in a single connector/cable.

FEATURES:
Sturdy, industry compatible design
Eliminates multiple connectors and cables
Up to 5 Gbps in single interface
Variety of mounting styles
Fully shielded for ESD protection
Compact 0.50mm (.019”) pitch SMT design

MATING CONNECTORS:
All industry standard HDMI connectors.

SPECIFICATIONS:
Material:
Insulator: Hi-Temperature thermoplastic, glass filled, rated UL94V-0
Insulator Color: Black
Shell: Phosphor Bronze, Nickel plated
Contacts: Phosphor Bronze

Plating:
Gold over nickel underplate on mating area, tin over copper underplate on tails

Electrical:
Operating Voltage: 30V AC
Current Rating: 0.5 Amps Max.
Contact Resistance: 10 mΩ Max.
Insulation Resistance: 100 MΩ Min.
Dielectric Withstanding Voltage: 300V AC for 1 Minute

Mechanical:
Insertion force: 10.0 lbs max.
Withdrawal force: 2.2 lbs min.

Temperature Rating:
Operation Temperature: -55°C ~ +85°C

PACKAGING:
Anti ESD plastic trays or Tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053
MICRO HDMI
HIGH DEFINITION MULTI-MEDIA CONNECTOR
HDMI SERIES

MICRO HDMI, RIGHT ANGLE, SMT

MCHDMI-S-RA-1-SMT

MICRO HDMI, RIGHT ANGLE, SMT

MCHDMI-S-RA-2-SMT
MINI HDMI, RIGHT ANGLE, SMT

MHDMI-S-RA-1-SMT

Recommended PCB Layout

HDMI RIGHT ANGLE THRU-HOLE

HDMI-S-RA-1

Recommended PCB Layout
HDMI CONNECTOR
HIGH DEFINITION MULTI-MEDIA
HDMI SERIES

RIGHT ANGLE SMT

Recommended PCB Layout

HDMI-S-RA-SMT

RIGHT ANGLE SMT
WITH MOUNTING FLANGE

Recommended PCB Layout

HDMI-S-RA-SMT-MF
HDMI CONNECTOR
HIGH DEFINITION MULTI-MEDIA
HDMI SERIES

RIGHT ANGLE TRUE SMT

Recommended PCB Layout

HDMI-S-RA-TSMT

HDMI-S-RA-TSMT-MF

RIGHT ANGLE TRUE SMT
WITH MOUNTING FLANGE

Recommended PCB Layout

HDMI-S-RA-TSMT-MF