



## HDMI<sub>(TM)</sub>: KDMIX Series

HDMI<sub>(TM)</sub> SMT with Through Hole Shield

### Product Features

- HDMI<sub>(TM)</sub> 2.1 certified
- Backwards compatible to HDMI<sub>(TM)</sub> 1.4b
- Fully shielded to provide excellent ESD protection
- Provides Low Impedance Mismatch
- 19 Position Receptacle
- Insert Molded Contacts provide increased durability

### Performance Specifications

#### Materials and FinishShell

- Housing:** High Temp. Thermoplastic, UL94V-0 Rated, Color: Black
- Shield:** Brass, Nickel Plated
- Contacts:** Copper Alloy
- Contact Plating:** 15 $\mu$ " Gold in Contact Area, Gold Flash in Solder Area, Over Nickel Underplate

### Electrical Characteristics

- Insulation Resistance:** 100 Mohms Min.
- Dielectric Withstanding:** 500V AC RMS for 1 Minute
- Contact Current Rating:** 0.5A Min.
- Contact Resistance:** 30 Milliohms Max.

### Mechanical Characteristics

- Durability:** 10,000 Cycles
- Insertion Force:** 44.1N Max.
- Withdrawal Force (Initial):** 39.2N Max., 9.8N Min.
- Operating Temperature** -25°C to +85°C

|                       |                     |                      |                  |
|-----------------------|---------------------|----------------------|------------------|
| 2D Drawing            | IGES                | STEP                 | 3D PDF           |
| Solder Profile        | CofC RoHS Compliant | CofC REACH Compliant | UL Plastic File  |
| Certificate of Origin | Check Stock         | Request a Sample     | Send Us An Email |

#### Generated Part Number

#### Part Number Builder

|                      |   |                      |                      |                      |                      |                      |                      |
|----------------------|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | - | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Series               |   | Shield Option        | Top Spring           | Insulator Option     | Plating Option       | Option               | Option               |

#### Series

KDMIX- HDMI<sub>(TM)</sub>

#### Shield Option

NS2 - SMT Shield Tabs

#### Top Spring

NS - Without Top Springs

#### Insulator Option

B - Black

#### Plating Option

15 - 15 $\mu$ " Gold

#### Option

TR - Tape and Reel Packaging

#### Option

2.1 - HDMI<sub>(TM)</sub> 2.1 certified

Contact Kycon for Other Options

### KDMIX-NS2

Dimensions in mm

### KDMIX-NS2-NS-B15TR-2.1

