



Recommended PCB Layout  
(Thickness=1.6±0.15mm)

### Materials and Finish

Insulator: UL94V-0 Rated  
Thermoplastic, Color- Black

Contacts: Copper Alloy

Plating: 30u" Gold Plated over Nickel

Shell: Copper Alloy

Solderable Nickel Plated

### Electrical Specifications

Rated Voltage:  
40V AC (R.M.S)

Contact Current Rating:  
0.5A Min.

Contact Resistance:  
10 milliohms Max.

Insulation Resistance:  
100 Megohms Min. (unmated)  
10 Megohms Min. (mated)

Dielectric Withstanding:  
500V AC (unmated)  
300V AC (mated)

Insertion Force:  
44.1N max.

Extraction Force:  
9.8N Min.  
39.2N Max.

Operating Temperature:  
-25°C to 85°C

Durability:  
10K mating cycles

RoHS COMPLIANT  
EU Directive 2002/95/EC

cRL<sup>®</sup>us  
E134345

Tolerances
X.X ± 0.35
X.XX ± 0.25
Unless Stated
Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A2	03/26/08	Add Options	S. Vien	H. MA	N. Chang	03/14/07
A3	10/15/10	ECO #10-073	S. Vien	H. MA		
A4	02/15/12	Add Dim.	S. Vien	H. MA		
A5	11/16/12	ECO #12-066	S. Vien	P. DalCanto	mm	UNITS
A6	04/26/13	ECO #13-018	W. Cook	P. DalCanto		
A7	07/02/13	ECO #13-051	D. Gih	P. DalCanto		

KDMIX-FS2-WS-B

HDMI Receptacle, Type A, RoHS Compliant

Top Spring and Flange, Different Length Front and Back Shield Pegs



# Mouser Electronics

Authorized Distributor

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