



**Materials and Finish**

Shell: Copper Alloy  
 Solderable Nickel plated  
 Insulator: UL94V-0 Rated  
 Thermoplastic, Color- Black  
 Contacts: Copper Alloy  
 Plating: Gold Flash / 30u" Gold plated over Nickel

**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

Part Number	Contact Area Plating Finish
KDMIX-NS1-WS-B	30u" Gold
KDMIX-NS1-WS-BGF	Gold Flash
KDMIX-NS1-WS-BGFT	Gold Flash / Tape&Reel



Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated
Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	4/3/07	New Drawing	E. Canoy	H. MA	N.Chang	12/6/06
A1	06/29/07	Release Drawing	R. Aguirre			
A2	03/26/08	Add Options	S. Vien	H. MA		

**KDMIX-NS1-WS-B**

HDMI Receptacle, Type A, SMT shield  
 with Top Spring, RoHS Compliant



UNITS  
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