



Recommended PCB Layout
(Thickness=1.6±0.15mm)

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-NS-B	30u" Gold
KDMIX-NS1-NS-BGF	Gold Flash



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. Viten	H, MA		

KDMIX-NS1-NS-B

HDMI Receptacle, Type A, SMT shield
RoHS Compliant

