



**Material And Finish**

Insert- Nylon Thermoplastic, Black Color  
 UL94V-2 Rated  
 Plastic Shell- ABS, UL94HB Rated  
 Contact Material- Brass, Silver Plated  
 Shield- Nickel Plated Iron Sheet

**Mechanical Characteristics**

Insertion Force\*- 0.5kg - 4.5kg  
 Withdrawal Force\*- 0.5kg - 3.0kg  
 Durability Test - 1500 Cycles

\* When used with Kycon KMDGX series sockets

**Electrical Characteristics**

Contact Current Rating-  
 2.0 Amp Max. @ 12V DC and 30°C  
 1.25 Amp Max. @ 32V DC and 30°C  
 1.0 Amp Max. @ 32V DC and 45°C

Contact Resistance\*  
 Before Durability Test:  
 Pin to Contact: 30 milliohms Max.  
 Plug Shield to Socket: 50 milliohms Max.  
 After Durability Test:  
 Pin to Contact: 60 milliohms Max.  
 Plug Shield to Socket: 100 milliohms Max.

Insulation Resistance-  
 50 Megohms Min. at 250V DC

Dielectric Withstanding Voltage-  
 250VAC for 1 Minute

Operating Temperature-  
 -25°C to +80°C

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

**RoHS COMPLIANT**

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	8/11/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	06/27/05
A2	05/14/14	Add Pin Numbers	C. Kelleher	P. DalCanto		
A3	06/18/14	ECO # 14-036	C. Kelleher	P. DalCanto		
A4	07/20/15	Correct pin number	H. MA	W. Cook		UNITS
A5	02/14/19	ECO #19-014	G. Serrato	D. Shehan		

**KMDAX-9P**

Mini-DIN Plug ,RoHS Compliant  
**9 position plug**



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