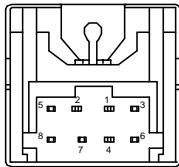
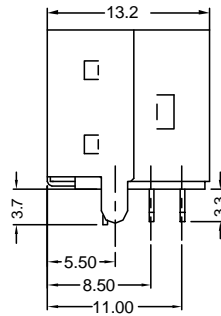
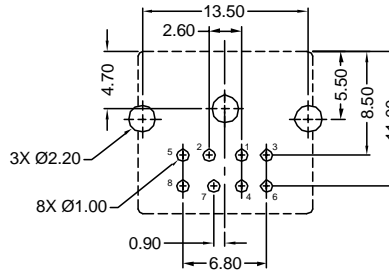


Kycon P/N: **KMDLX-6S-BS**



Recommended PCB Layout (Bottom View)



**Material and Finish**

Body: PBT Thermoplastic,  
UL94V-0 Rated, Color - Black  
Contact: Copper Alloy, Silver Plated  
Shield: SPCC, Tin Plated

**Mechanical Characteristics**

Insertion Force- 4.5 kg Max.  
Withdrawal Force- 0.5kg - 3.0kg  
Durability Test - 1500 Cycles

**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

\*When used with KMDLA Series Plug

Kycon Part Number				
KMDLX-3S-BS	KMDLX-4S-BS	KMDLX-5S-BS	KMDLX-6S-BS	KMDLX-7S-BS
Socket Configuration				
Recommended PCB Layout (bottom view)				



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	05/11/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	05/04/05
A2	09/22/05	ECO #05-046	R. Aguirre	H. MA		

**KMDLX-xS-BS**  
x=# of positions

UNITS  
mm

Mini-din, Fully Shielded RoHS Compliant.  
Works with KMDLA locking plugs

