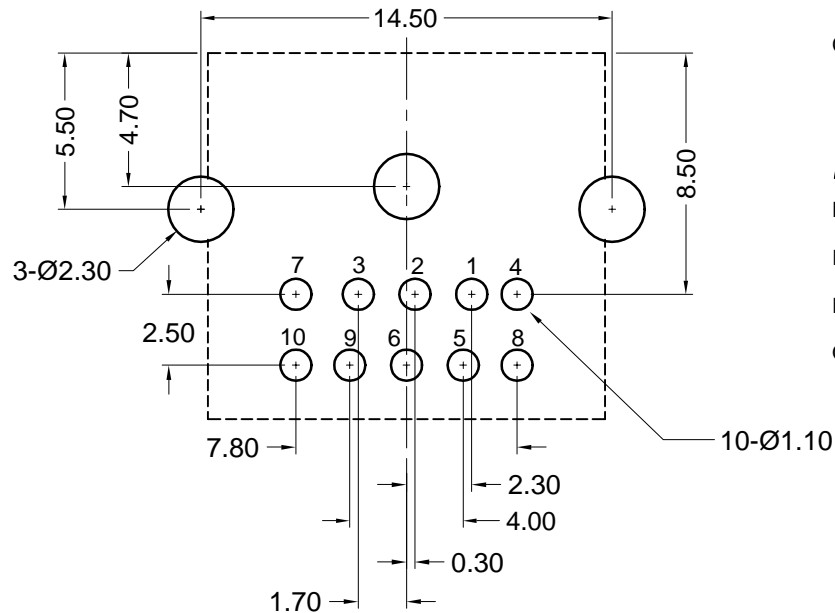


Recommended PCB Layout  
(Bottom View)



**Material and Finish**

Body: PBT Thermoplastic,  
UL94V-0 Rated, Black

Contact Material:  
Phosphor Bronze

Contact Plating:  
Gold Flash on Contact Area  
Tin/Lead on Termination,  
Both over Nickel underplate

Shield: Brass, Tin Plated

**Electrical Characteristics**

Contact Resistance:  
Before Durability Test:  
Plug to Terminals: 30 Milliohms Max.  
After Durability Test:  
Plug to Terminals: 60 Milliohms Max.

Insulation Resistance:  
500 Megohms Min.

Dielectric Withstanding Voltage:  
500V AC RMS For 1 Minute

Contact Current Rating:  
1 Amp at 12V DC

**Mechanical Characteristics**

Durability Test: 500 Cycles Min. with test plug

Insertion Force: 4.5kg max.

Extraction Force: 0.4kg - 3.5kg

Operating Temperature: -25°C to +85°C

| Tolerances                 |
|----------------------------|
| X.X ± 0.25                 |
| X.XX ± 0.15                |
| Unless Stated<br>Otherwise |



| REVISION | DATE     | DESCRIPTION     | DRAWN BY   | CHECKED BY   | UNITS   |
|----------|----------|-----------------|------------|--------------|---------|
| A1       | 7/16/01  | rev. dimensions | H. MA      | C. Leiva     | mm      |
| A2       | 10/30/01 | Release DWG     | REVISED BY | REV CHECK BY | DATE    |
| A3       | 5/22/03  | ECD #02-062     | C. Leiva   | T. Gokcek    | 6/25/01 |

KMDG-10S-BS

10 pos. Mini-DIN, Fully Shielded

Center Board Lock, Gold Flash Contacts

