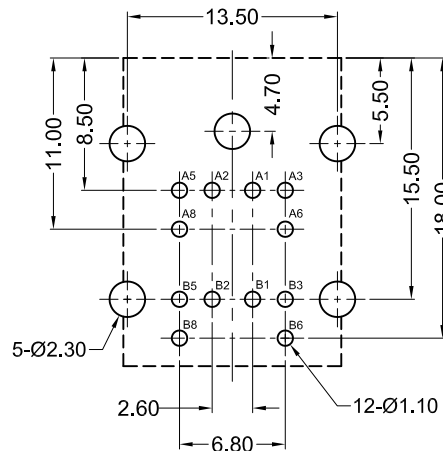
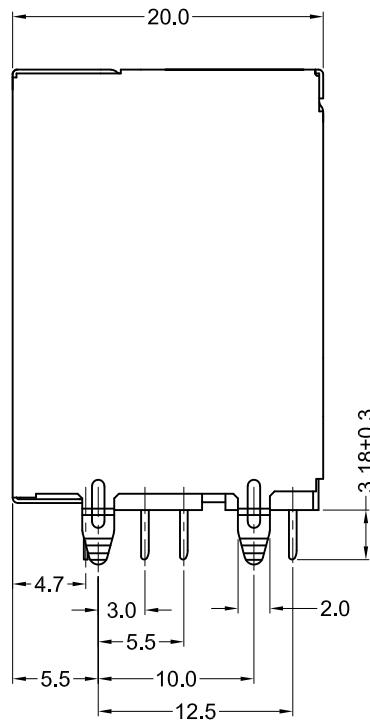
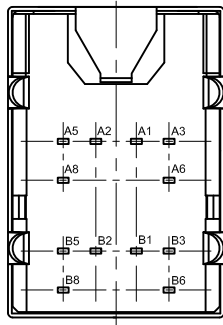
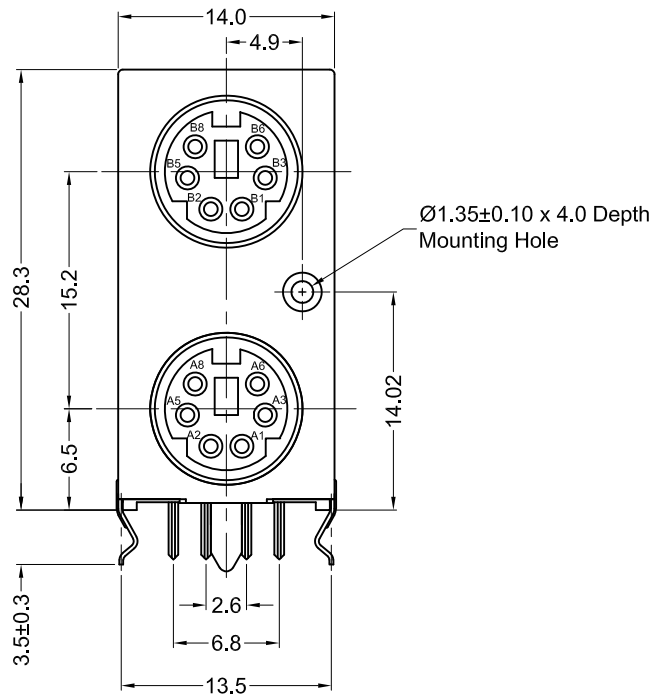




Recommended PCB Layout  
(Bottom View)

| Part Number        | Contact Area Plating Finish |
|--------------------|-----------------------------|
| KMDGX-6S/6S-S4N1   | Gold Flash (Standard)       |
| KMDGX-6S/6S-S4N115 | 15u" Gold (15 Option)       |

## Material and Finish

Body: PBT Thermoplastic,

Contacts: Copper Alloy

Contact Plating Options:

Standard: Gold Flash on Contacts,  
Tin on Termination Ends

15 Option- 15u" Gold on Contacts,  
120u" Tin on Termination, all over  
50u" min. Nickel

Shield: SPCC, Tin Plated

## Electrical Characteristics

Contact Resistance:

Before Test:

Plug to Terminals: 30 Milliohms Max.

After Test:

Plug to Terminals: 60 Milliohms Max.

Insulation Resistance:

500 Megohms Min.

Dielectric Withstanding Voltage:

500V AC RMS For 1 Minute

Current Rating:

2 A at 12V DC

## Mechanical Characteristics

Durability Test: 500 Cycles Min.

Insertion Force: 4.5kg max.

Extraction Force: 0.5kg - 4.5kg

Operating Temperature: -25°C to +80°C

Recommended Screw:

M1.6 Thread Forming Screw

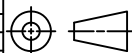
RoHS COMPLIANT

UL  
E140125

CS  
LR78160

Tolerances  
X.X  $\pm$  0.3  
X.XX  $\pm$  0.15  
Unless Stated  
Otherwise

| REV. | DATE     | DESCRIPTION | REV. BY     | CHK. BY     | DRAWN BY   | DATE     |
|------|----------|-------------|-------------|-------------|------------|----------|
| A7   | 01/15/13 | ECO #12-063 | S. Vien     | P. DalCanto | R. Aguirre | 08/02/05 |
| A8   | 05/31/13 | ECO #13-025 | D. Gih      | P. DalCanto |            |          |
| A9   | 02/17/15 | ECO #15-017 | H. MA       | C. Furumasu |            |          |
| A10  | 05/28/15 | ECO #14-021 | C. Kelleher | H. Ma       |            |          |
| A11  | 11/02/18 | ECO #18-054 | G. Serrato  | D. Shehan   |            |          |
| A12  | 04/25/19 | ECO #19-040 | G. Serrato  | D. Shehan   |            |          |



KMDGX-6S/6S-S4N1

Stacked Mini-Din, 6/6, RoHS Compliant

Fully Shielded, Gold Contacts, w/Mounting Hole

