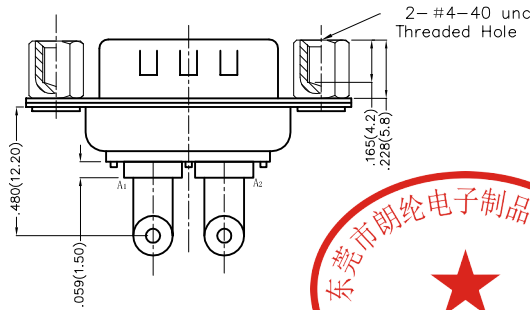
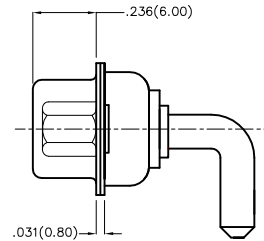
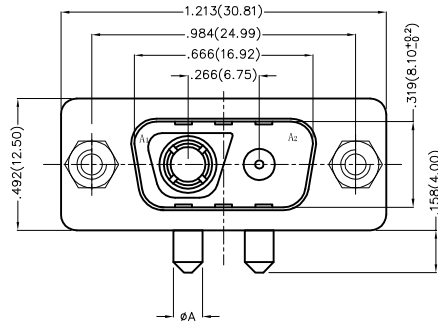


Recommended P.C.Board Layout

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
|     |           |             |      |         |      |

- 1.Electrical Characteristic
  - 1.1Current Rating  
Power Contacts:10 to 40A
  - 1.2Voltage Rating: 300V
  - 1.3Contact Resistance:5Milliohms Max
  - 1.4Insulation Resistance:5000 Megaohms Min.
  - 1.5Dielectric Withstanding Voltage :1000V AC r.m.s Min

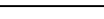
- 2.Materials And Finish
  - 2.1Shell:Steel Material,Front Nickel Plated 80u" Min  
Back Shell Tin Plated 100u" Min
  - 2.2Insulator:Glass Filled Thermoplastic, UL 94V-0 ,Colour:Black
  - 2.3Power Contacts:Brass/Gold Plated 3u~30u"
- 3.Temperature Range-Operating: -55°C ~ +105°C

| Type | Part NO.             | ØA         | PCB. ØB    | Current Rating(A) |
|------|----------------------|------------|------------|-------------------|
| A    | FDV0202A-M0DB1XXK6KA | .067(1.70) | .079(2.00) | 10                |
| B    | FDV0202A-M0DB1XXK6KB | .108(2.75) | .118(3.00) | 20                |
| C    | FDV0202A-M0DB1XXK6KC | .130(3.30) | .142(3.60) | 30                |
| D    | FDV0202A-M0DB1XXK6KD | .150(3.80) | .161(4.10) | 40                |

## Ordering Information

FDV 02 02A— M0 D B 1 XX K6 K X  
1 2 3 4 5 6 7 8 9 10 11

|   |                                                |   |                                                                           |   |                         |    |                     |    |                                                |   |                           |
|---|------------------------------------------------|---|---------------------------------------------------------------------------|---|-------------------------|----|---------------------|----|------------------------------------------------|---|---------------------------|
| 1 | Category<br>FDV—Power Type<br>D—SUB Connectors | 2 | Circuits<br>02—2Circuits                                                  | 3 | Distinction No.<br>02A  | 4  | Type<br>M0—Male     | 5  | Assembly Layout<br>D—DIP                       | 6 | Entry Type<br>B—90° Angle |
| 7 | Plating<br>1—Gold Plated                       | 8 | Thickness of Plating<br>01—1μ"<br>15—15μ" .....<br>Custom plate available | 9 | Color—Resin<br>K6—Black | 10 | Packaging<br>K—Tray | 11 | Type<br>A—Type A C—Type C<br>B—Type B D—Type D |   |                           |

|                                                                                                                   |  |                                          |            |                      |                   |                                                                                                                                                                       |                        |                                                                                                     |  |
|-------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|------------|----------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------|--|
| <br>THIRD ANGLE<br>PROJECTION |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | APPROVE BY<br>FRANK  | DATE<br>19/JUL/13 | PART NO.<br>FDV0202A-MODB1XXK6KX                                                                                                                                      | ITEM NO.<br>FDV0202A-M | <br>3K-KAMING® |  |
| DESIGN UNITS<br>Inch (metric)                                                                                     |  | X.±.012(0.30)                            | X'.±5°     | CHECKED BY<br>CHERRY | DATE<br>19/JUL/13 | TITLE<br>POWER MACHINED CONTACT MALE 2V2 CONN                                                                                                                         |                        |                                                                                                     |  |
| SCALE<br>5:1                                                                                                      |  | X.XX±.006(0.15)                          | .XX'±1°    | DRAWN BY<br>JACOB    | DATE<br>19/JUL/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO.,LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                     |  |
| SIZE<br>A<4                                                                                                       |  | X.XXX±.004(0.10)                         | .XXX'±0.5° |                      |                   | REV 0                                                                                                                                                                 |                        | SHEET NO. 1/1                                                                                       |  |