

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



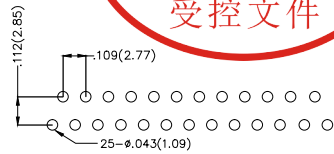
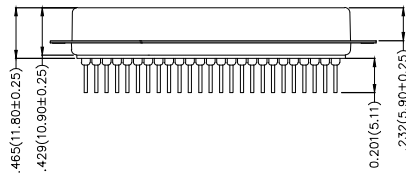
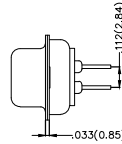
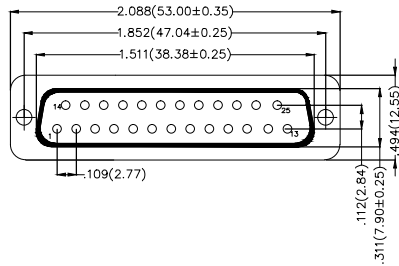
**SPECIFICATIONS**

**Electrical**

Current Rating: 3A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 25 mΩ Max  
Insulation Resistance: 1000 MΩ Min  
Withstanding Voltage: 500V AC r.m.s  
Temperature Range—Operating: -55°C~+105°C

**Material and plating**

Housing: PBT UL 94V-0  
Contact: Copper Alloy/ Gold plated/  
Selective gold in contact area, tin on tail  
Shell: SPCC/ Nickel Plated



Recommended P.C.Board Layout

**Ordering Information**

FDB 25 03 - F0 D S X XX XX X A  
1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type A-A Type	

 <b>THIRD ANGLE PROJECTION</b>	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> X.±.012(0.30) X.±5' X.X±.008(0.20) .X'±2' X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XXX'±0.5'		<b>APPROVE BY</b> FRANK <b>DATE</b> 28/JUN/13	<b>PART NO.</b> FDB2503-FODSXXXXXXA <b>ITEM NO.</b> FDB2503	 <b>3K-KAMING</b> REV 0 SHEET NO. 1/1
	<b>DESIGN UNITS</b> Inch (metric)	<b>SCALE</b> 5:1 <b>SIZE</b> A4	<b>CHECKED BY</b> JACOB <b>DATE</b> 28/JUN/13	<b>TITLE</b> D-SUB connector 25 Circuits 180° Vertical Female	
<small>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</small>					

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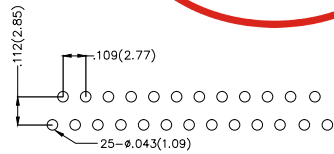
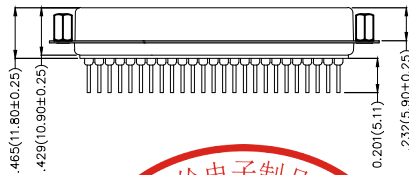
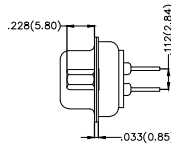
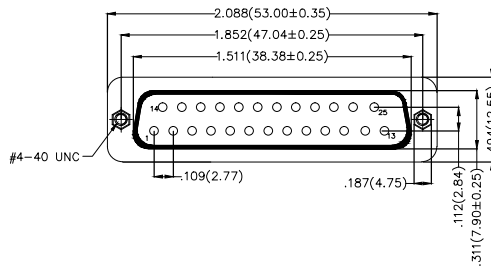
**SPECIFICATIONS**

**Electrical**

Current Rating: 3A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 25 mΩ Max  
Insulation Resistance: 1000 MΩ Min  
Withstanding Voltage: 500V AC r.m.s  
Temperature Range—Operating: -55°C~+105°C

**Material and plating**

Housing: PBT UL 94V-0  
Contact: Copper Alloy/ Gold plated/  
Selective gold in contact area, tin on tail  
Shell: SPCC/ Nickel Plated  
Screws: Copper Alloy/ Nickel Plated



Recommended P.C.Board Layout

**Ordering Information**

FDB 25 03 - F0 D S X XX XX X B  
1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type B-B Type	

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 28/JUN/13</p>	<p>PART NO. FDB2503-FODSXXXXXXB</p>	<p>ITEM NO. FDB2503</p>	<p>3K-KAMING</p>	
	<p>DESIGN UNITS Inch (metric)</p>	<p>X.X±.012(0.30)</p>	<p>X.±5'</p>	<p>CHECKED BY JACOB</p>	<p>DATE 28/JUN/13</p>	<p>TITLE D-SUB connector 25 Circuits 180° Vertical Female</p>		<p>REV 0</p>
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX±.006(0.15)</p>	<p>.XX±1'</p>	<p>DRAWN BY CHERRY</p>	<p>DATE 28/JUN/13</p>	<p>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</p>		

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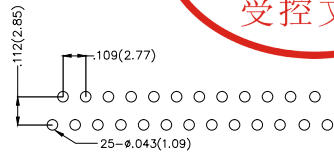
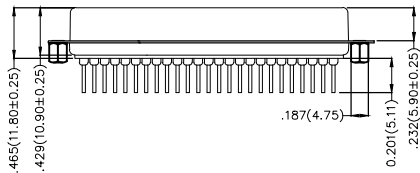
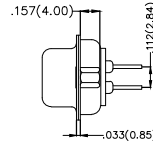
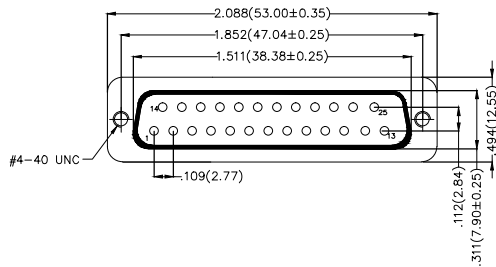
**SPECIFICATIONS**

**Electrical**

Current Rating: 3A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 25 mΩ Max  
Insulation Resistance: 1000 MΩ Min  
Withstanding Voltage: 500V AC r.m.s  
Temperature Range—Operating: -55°C~+105°C

**Material and plating**

Housing: PBT UL 94V-0  
Contact: Copper Alloy/ Gold plated/  
Selective gold in contact area, tin on tail  
Shell: SPCC/ Nickel Plated  
Screws: Copper Alloy/ Nickel Plated



Recommended P.C.Board Layout

**Ordering Information**

FDB 25 03 - F0 D S X XX XX X C  
1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type C-C Type	

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 28/JUN/13</p>	<p>PART NO. FDB2503-F0DSXXXXXXC</p>	<p>ITEM NO. FDB2503</p>	<p>3K-KAMING®</p>
	<p>DESIGN UNITS Inch (metric)</p>	<p>X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)</p>	<p>X.±5° X.±2° .XX±1° .XXX±0.5°</p>	<p>CHECKED BY JACOB</p>	<p>DATE 28/JUN/13</p>	<p>TITLE D-SUB connector 25 Circuits 180° Vertical Female</p>	
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>DRAWN BY CHERRY</p>	<p>DATE 28/JUN/13</p>	<p>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</p>			

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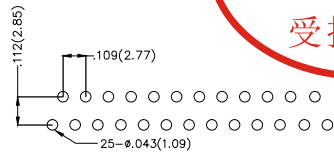
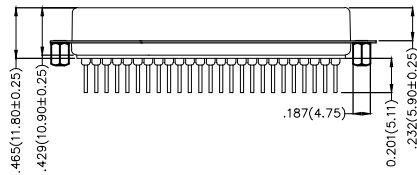
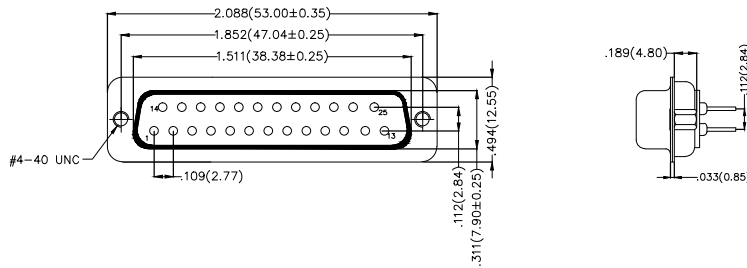
**SPECIFICATIONS**

**Electrical**

Current Rating: 3A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 25 mΩ Max  
Insulation Resistance: 1000 MΩ Min  
Withstanding Voltage: 500V AC r.m.s  
Temperature Range—Operating: -55°C~+105°C

**Material and plating**

Housing: PBT UL 94V-0  
Contact: Copper Alloy/ Gold plated/  
Selective gold in contact area, tin on tail  
Shell: SPCC/ Nickel Plated  
Screws: Copper Alloy/ Nickel Plated



Recommended P.C.Board Layout



**Ordering Information**

FDB 25 03 - F0 D S X XX XX X D  
1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type D-D Type	

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 28/JUN/13</p>	<p>PART NO. FDB2503-FODSXXXXXD</p>	<p>ITEM NO. FDB2503</p>	<p>3K-KAMING</p>	
	<p>DESIGN UNITS Inch (metric)</p>	<p>X.±.012(0.30)</p>	<p>X.±5'</p>	<p>CHECKED BY JACOB</p>	<p>DATE 28/JUN/13</p>	<p>TITLE D-SUB connector 25 Circuits 180° Vertical Female</p>		<p>REV 0</p>
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX±.006(0.15)</p>	<p>.XX±1'</p>	<p>DRAWN BY CHERRY</p>	<p>DATE 28/JUN/13</p>	<p>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</p>		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

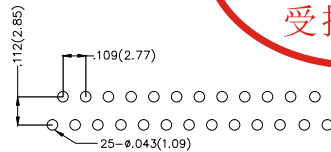
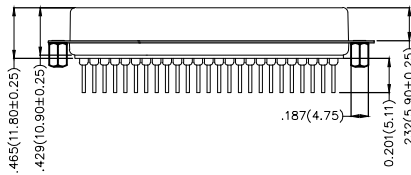
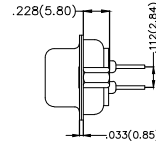
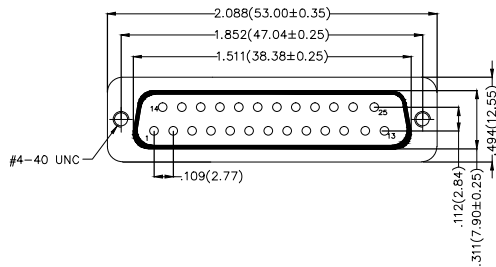
**SPECIFICATIONS**

**Electrical**

Current Rating: 3A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 25 mΩ Max  
Insulation Resistance: 1000 MΩ Min  
Withstanding Voltage: 500V AC r.m.s  
Temperature Range—Operating: -55°C~+105°C

**Material and plating**

Housing: PBT UL 94V-0  
Contact: Copper Alloy/ Gold plated/  
Selective gold in contact area, tin on tail  
Shell: SPCC/ Nickel Plated  
Screws: Copper Alloy/ Nickel Plated



Recommended P.C.Board Layout

**Ordering Information**

FDB 25 03 - F0 D S X XX XX X E  
1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type E-E Type	

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 28/JUN/13</p>	<p>PART NO. FDB2503-F0DSXXXXXXE</p>	<p>ITEM NO. FDB2503</p>	<p>3K-KAMING®</p>
	<p>DESIGN UNITS Inch (metric)</p>	<p>X.±.012(0.30) X.±5'</p>	<p>X.X±.008(0.20) X.±2'</p>	<p>CHECKED BY JACOB</p>	<p>DATE 28/JUN/13</p>	<p>TITLE D-SUB connector 25 Circuits 180° Vertical Female</p>	
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX±.006(0.15) .XX±1'</p>	<p>DRAWN BY CHERRY</p>	<p>DATE 28/JUN/13</p>	<p>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</p>		

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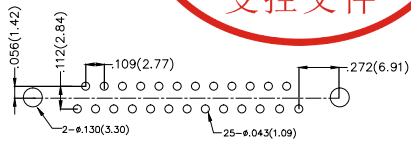
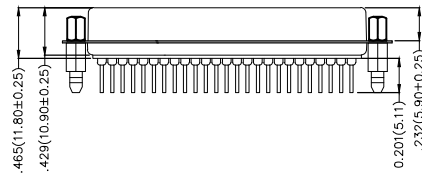
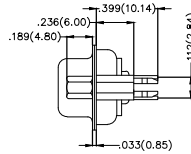
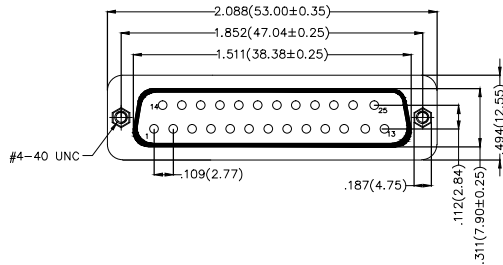
**SPECIFICATIONS**

**Electrical**

Current Rating: 3A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 25 mΩ Max  
Insulation Resistance: 1000 MΩ Min  
Withstanding Voltage: 500V AC r.m.s  
Temperature Range—Operating: -55°C~+105°C

**Material and plating**

Housing: PBT UL 94V-0  
Contact: Copper Alloy/ Gold plated/  
Selective gold in contact area, tin on tail  
Shell: SPCC/ Nickel Plated  
Board Lock: Copper Alloy/ Tin Plated  
Screws: Copper Alloy/ Nickel Plated



Recommended P.C.Board Layout

**Ordering Information**

FDB 25 03 - F0 D S X XX XX X F  
1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type F-F Type	

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 28/JUN/13</p>	<p>PART NO. FDB2503-FODSXXXXXF</p>	<p>ITEM NO. FDB2503</p>	<p>3K-KAMING</p>	
	<p>DESIGN UNITS Inch (metric)</p>	<p>X.±.012(0.30)</p>	<p>X.±5'</p>	<p>CHECKED BY JACOB</p>	<p>DATE 28/JUN/13</p>	<p>TITLE D-SUB connector 25 Circuits 180° Vertical Female</p>		<p>REV 0</p>
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX±.006(0.15)</p>	<p>.XX±1'</p>	<p>DRAWN BY CHERRY</p>	<p>DATE 28/JUN/13</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG JUN(3K-KAMING) ELECTRONIC PRODUCTS CO.,LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>		

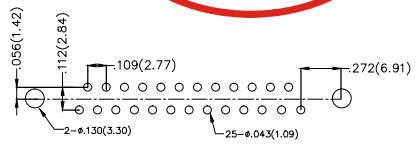
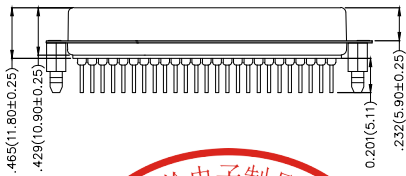
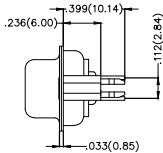
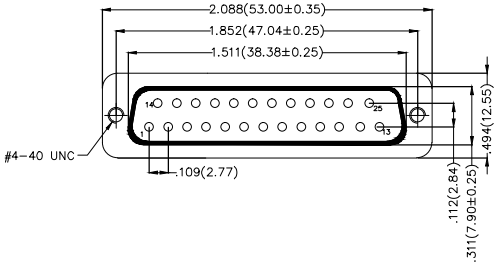
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



**SPECIFICATIONS**

**Electrical**  
 Current Rating: 3A AC(rms)/DC  
 Voltage Rating: 250V AC(rms)/DC  
 Contact Resistance: 25 mΩ Max  
 Insulation Resistance: 1000 MΩ Min  
 Withstanding Voltage: 500V AC r.m.s  
 Temperature Range—Operating: -55°C~+105°C

**Material and plating**  
 Housing: PBT UL 94V-0  
 Contact: Copper Alloy/ Gold plated/  
 Selective gold in contact area, tin on tail  
 Shell: SPCC/ Nickel Plated  
 Board Lock: Copper Alloy/ Tin Plated  
 Screws: Copper Alloy/ Nickel Plated



Recommended P.C.Board Layout

**Ordering Information**

FDB 25 03 - F0 D S X XX XX X G  
 1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type G-G Type	

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB2503-FODSXXXXXXG	ITEM NO. FDB2503	 3K-KAMING	
	DESIGN UNITS Inch (metric)	X.X±.012(0.30) X.XX±.008(0.20)	X.±5° .X±2°	CHECKED BY JACOB	DATE 28/JUN/13	TITLE D-SUB connector 25 Circuits 180° Vertical Female		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	.XX±1° .XXX±0.5°	DRAWN BY CHERRY	DATE 28/JUN/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		

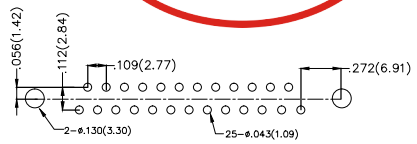
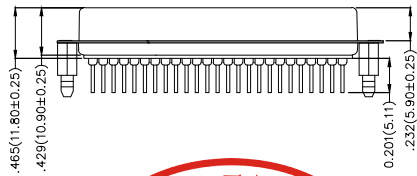
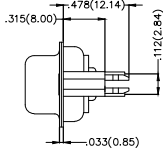
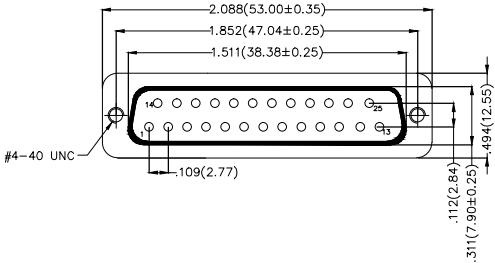
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



**SPECIFICATIONS**

**Electrical**  
 Current Rating: 3A AC(rms)/DC  
 Voltage Rating: 250V AC(rms)/DC  
 Contact Resistance: 25 mΩ Max  
 Insulation Resistance: 1000 MΩ Min  
 Withstanding Voltage: 500V AC r.m.s  
 Temperature Range—Operating: -55°C~+105°C

**Material and plating**  
 Housing: PBT UL 94V-0  
 Contact: Copper Alloy/ Gold plated/  
 Selective gold in contact area, tin on tail  
 Shell: SPCC/ Nickel Plated  
 Board Lock: Copper Alloy/ Tin Plated  
 Screws: Copper Alloy/ Nickel Plated



Recommended P.C.Board Layout

**Ordering Information**

FDB 25 03 - F0 D S X XX XX X H  
 1 2 3 4 5 6 7 8 9 10 11

1   Category FDB- D-SUB Connector	2   Circuits 25-25 Circuits	3   Distinction No. 03	4   Type F0-Female	5   Assembly Layout D-DIP	6   Entry Angle S-180° Vertical
7   Plating 1-Gold Plated 3-Selective gold in contact area, tin on tail	8   Thickness of Plating 00-Gold Flash 03-3μ" Custom Plate Available	9   Color-Resin K6-Black U1-Blue	10   Packaging K-Tray L-Tube	11   Distinction Type H-H Type	

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED) X.±.012(0.30) X.±5' X.X±.008(0.20) X.±2' X.XX±.006(0.15) .XX±1' X.XXX±.004(0.10) .XXX±0.5'		APPROVE BY FRANK CHECKED BY JACOB DRAWN BY CHERRY	DATE 28/JUN/13 DATE 28/JUN/13 DATE 28/JUN/13	PART NO. FDB2503-FODSXXXXXXH ITEM NO. FDB2503	 3K-KAMING® REV 0 SHEET NO. 1/1
	DESIGN UNITS Inch (metric)	SCALE 5:1 SIZE A4	TITLE D-SUB connector 25 Circuits 180° Vertical Female		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG JUN(3K-KAMING) ELECTRONIC PRODUCTS CO.,LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	