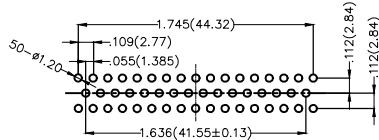
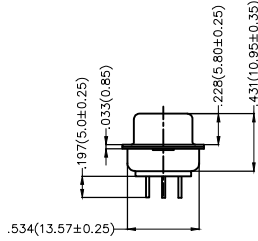
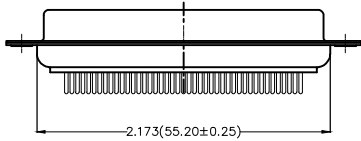
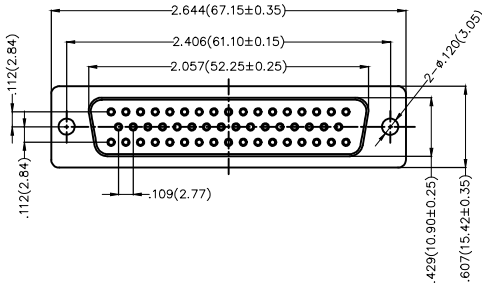


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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	50	04	—	F0	D	S	X	XX	XX	K	A
1	2	3	4	5	6	7	8	9	10	11	

1	Category FDB- D-SUB Connector	2	Circuits 50-50 Circuits	3	Distinction No. 04	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	11	Distinction Type A-A Type		

		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB5004-F0DSXXXXXKA	ITEM NO. FDB5004		
THIRD ANGLE PROJECTION		X.±0.12(0.30)	X'±5"	CHECKED BY	DATE			3K-KAMING	
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X'±2"	JACOB	28/JUN/13	TITLE D-SUB connector 50 Circuits 180° Vertical Female		REV 0	SHEET NO. 1/1
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	X.X'±1"	DRAWN BY	DATE	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			
		X.XXX±.004(0.10)	.XXX±0.5'	CHERRY	28/JUN/13				
4		5		6		7		8	

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

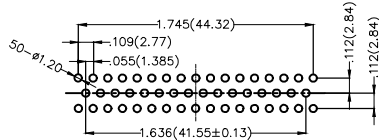
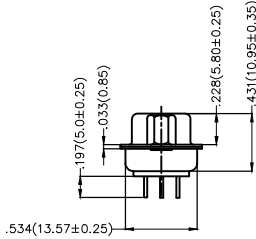
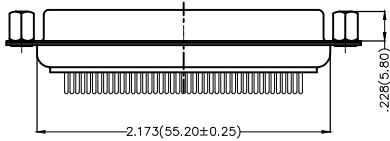
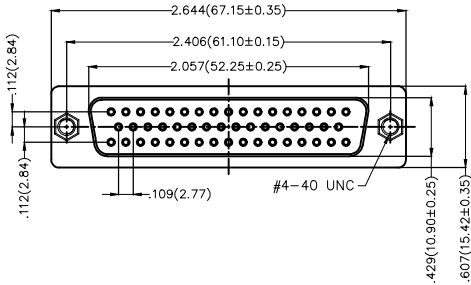
SPECIFICATIONS

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	50	04	—	F0	D	S	X	XX	XX	K	B
1	2	3		4	5	6	7	8	9	10	11

1	Category	2	Circuits	3	Distinction No.	4	Type	5	Assembly Layout	6	Entry Angle
	FDB- D-SUB Connector		50-50 Circuits		04		F0-Female		D-DIP		S-180° Vertical
7	Plating	8	Thickness of Plating	9	Color-Resin	10	Packaging	11	Distinction Type		
	1-Gold Plated 3-Selective gold in contact area, tin on tail		00-Gold Flash 03-3μ" Custom Plate Available		K6-Black U1-Blue		K-Tray		B-B Type		

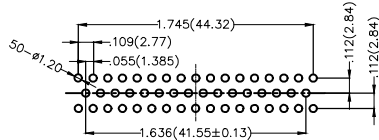
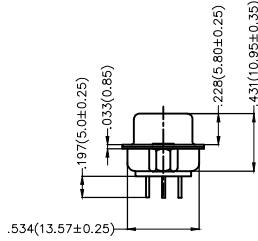
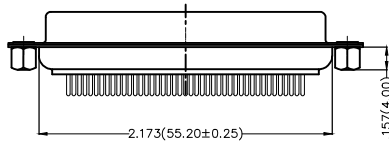
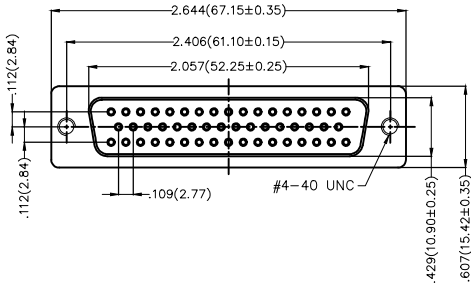
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.		ITEM NO.	 3K-KAMING®	
	X.±.012(0.30)	X.±5°	FRANK	28/JUN/13	FDB5004-F0DSXXXXXKB		FDB5004		
	X.X±.008(0.20)	X.±2°	CHECKED BY	DATE	TITLE				
DESIGN UNITS	X.XX±.006(0.15)	.XX°±1°	JACOB	28/JUN/13	D-SUB connector				
Inch (metric)	X.XXX±.004(0.10)	.XXX±0.5°	DRAWN BY	DATE	50 Circuits 180° Vertical Female				
SCALE	5:1	A4	CHERRY	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 0	SHEET NO. 1/1	

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	50	04	—	F0	D	S	X	XX	XX	K	C
1	2	3	4	5	6	7	8	9	10	11	

1 Category FDB- D-SUB Connector	2 Circuits 50-50 Circuits	3 Distinction No. 04	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	11 Distinction Type C-C Type	

		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB5004-F0DSXXXXXKC		ITEM NO. FDB5004			
DESIGN UNITS Inch (metric)		X.±012(0.30)	X.±5°	CHECKED BY	DATE	TITLE D-SUB connector 50 Circuits 180° Vertical Female		REV 0		SHEET NO. 1/1	
		X.X±.008(0.20)	.X±2°	JACOB	28/JUN/13						
		X.XX±.006(0.15)	.XX±1°	DRAWN BY	DATE						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°	CHERRY	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					
4		5		6		7		8			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

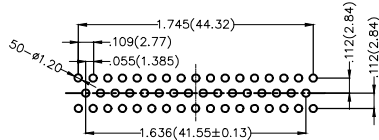
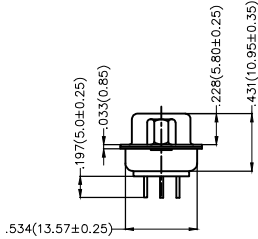
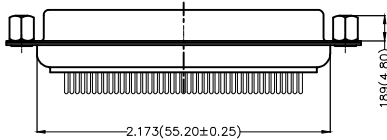
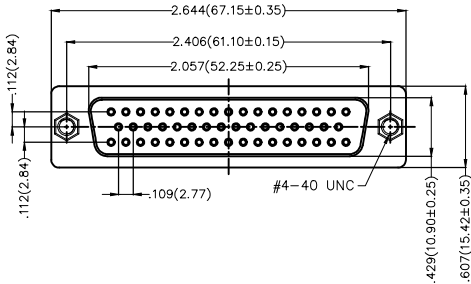
SPECIFICATIONS

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

FDB	50	04	—	F0	D	S	X	XX	XX	K	D
1	2	3		4	5	6	7	8	9	10	11

1	Category	2	Circuits	3	Distinction No.	4	Type	5	Assembly Layout	6	Entry Angle
	FDB- D-SUB Connector		50-50 Circuits		04		F0-Female		D-DIP		S-180° Vertical
7	Plating	8	Thickness of Plating	9	Color-Resin	10	Packaging	11	Distinction Type		
	1-Gold Plated 3-Selective gold in contact area, tin on tail		00-Gold Flash 03-3μ" Custom Plate Available		K6-Black U1-Blue		K-Tray		D-D Type		

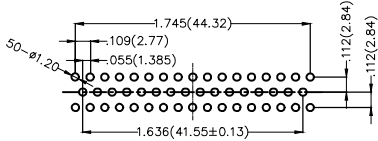
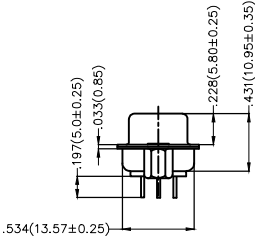
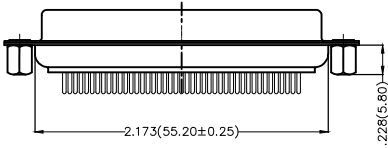
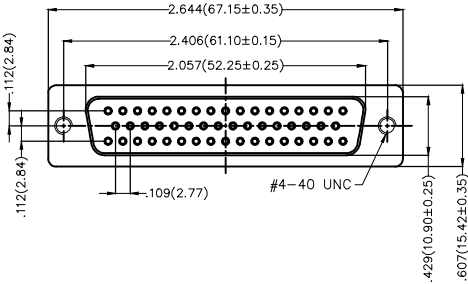
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.		ITEM NO.	 3K-KAMING	
	X.±.012(0.30)	X.±5°	FRANK	28/JUN/13	FDB5004-F0DSXXXXXKD		FDB5004		
	X.X±.008(0.20)	X.±2°	CHECKED BY	DATE	TITLE				
DESIGN UNITS	X.XX±.006(0.15)	.XX°±1°	JACOB	28/JUN/13	D-SUB connector				
Inch (metric)	X.XXX±.004(0.10)	.XXX±0.5°	DRAWN BY	DATE	50 Circuits 180° Vertical Female				
SCALE			CHERRY	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				
5:1	A4							REV 0	SHEET NO. 1/1

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	50	04	—	F0	D	S	X	XX	XX	K	E
1	2	3		4	5	6	7	8	9	10	11

1	Category FDB- D-SUB Connector	2	Circuits 50-50 Circuits	3	Distinction No. 04	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	11	Distinction Type E-E Type		

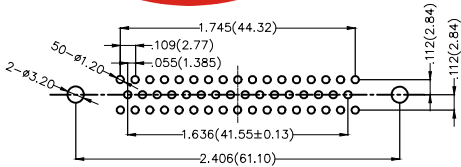
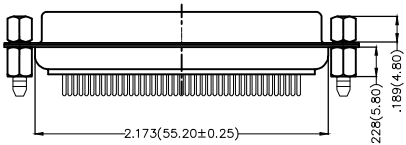
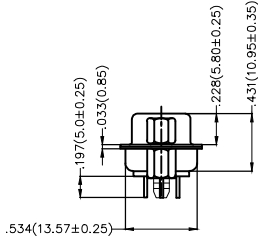
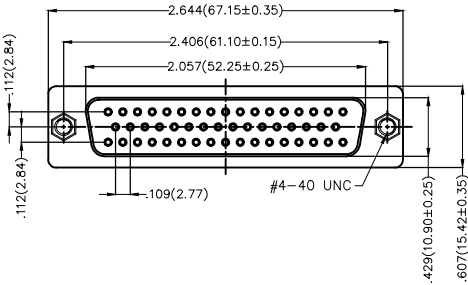
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DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE D-SUB connector 50 Circuits 180° Vertical Female			3K-KAMING	
		X.X±.008(0.20)	.X°±2°	JACOB	28/JUN/13					
		SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX°±1°	DRAWN BY	DATE	REV 0		
		X.XXX±.004(0.10)	.XXX±0.5°	CHERRY	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				
4		5		6		7		8		

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



Recommended P.C.Board Layout

Ordering Information

FDB	50	04	-	F0	D	S	X	XX	XX	K	F
1	2	3	4	5	6	7	8	9	10	11	

1	Category FDB- D-SUB Connector	2	Circuits 50-50 Circuits	3	Distinction No. 04	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	11	Distinction Type F-F Type		

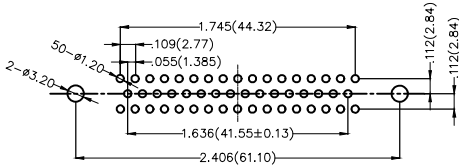
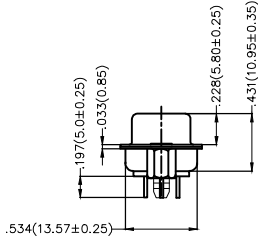
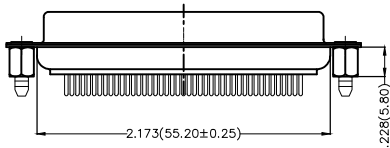
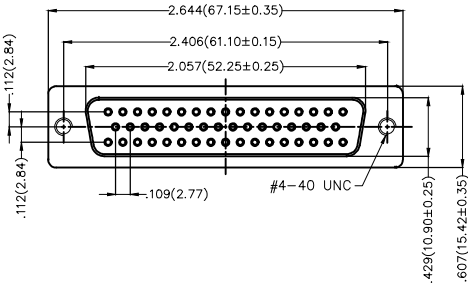
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DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE D-SUB connector 50 Circuits 180° Vertical Female		REV 0		SHEET NO. 1/1	
		X.X±.008(0.20)	.X±2°	JACOB	28/JUN/13						
		X.XX±.006(0.15)	.XX±1°	DRAWN BY	DATE						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°	CHERRY	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					
4		5			6		7		8		

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



Recommended P.C.Board Layout



Ordering Information

FDB	50	04	—	F0	D	S	X	XX	XX	K	G
1	2	3	4	5	6	7	8	9	10	11	

1	Category FDB— D—SUB Connector	2	Circuits 50—50 Circuits	3	Distinction No. 04	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	11	Distinction Type G—G Type		

		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB5004—F0DSXXXXXKG		ITEM NO. FDB5004			
DESIGN UNITS Inch (metric)		X.±0.12(0.30)	X.±5°	CHECKED BY	DATE	TITLE D—SUB connector 50 Circuits 180° Vertical Female		REV 0		SHEET NO. 1/1	
		X.X±.008(0.20)	.X±2°	JACOB	28/JUN/13						
		X.XX±.006(0.15)	.XX±1°	DRAWN BY	DATE						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°	CHERRY	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					
4		5			6		7		8		

REV 0 SHEET NO. 1/1