

| REV | LOCATIONS | DESCRIPTION                | DATE     | REVISER | APPD |
|-----|-----------|----------------------------|----------|---------|------|
| 1   | △         | Size 2.20 change to 2.40mm | 20160509 | Cherry  | Jack |

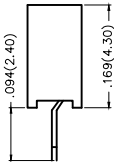
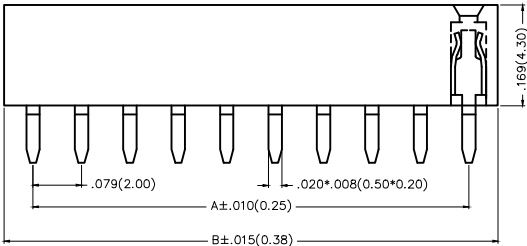
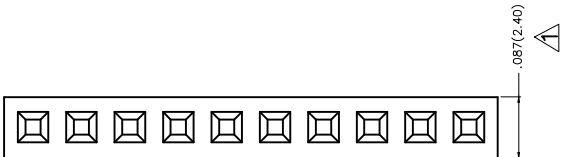
SPECIFICATIONS

Electrical

Current Rating: 2A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 20 mΩ Max  
Insulation Resistance: 500 MΩ MIN  
Withstanding Voltage: 100V AC r.m.s  
Temperature Range—Operating: -25°C~+85°C

Material and Plating

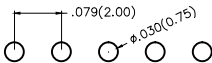
Housing: Glass Filled Polyester( UL 94V-0)  
Pin: Brass  
Plating: Gold Plated/ Selective gold in contact area,  
tin on tail





Ordering Information

FFH 200 01 — S XX S X XX 4 K6 K  
1 2 3 4 5 6 7 8 9 10 11

|   |   |   |   |   |                          |    |                            |    |                     |   |                                |
|---|---|---|---|---|--------------------------|----|----------------------------|----|---------------------|---|--------------------------------|
| 1 | Category<br>FFH—Female Header   | 2 | Series Number<br>200—Pitch 2.0mm  | 3 | Distinction No.<br>01    | 4  | Row Option<br>S—Single Row | 5  | Circuits<br>XX      | 6 | Entry Angle<br>S—180° Vertical |
| 7 | Plating<br>1—Gold Plated<br>3—Selective gold<br>in contact area,<br>tin on tail | 8 | Thickness of Plating<br>00—Gold Flash<br>05—5μ"<br>Custom plate available | 9 | Material—Resin<br>4—PA6T | 10 | Color—Resin<br>K6—Black    | 11 | Packaging<br>K—Tray |   |                                |



Recommended P.C.Board Layout



|  |            |  |            |                     |                   |   |                      |   |  |
|--|------------|--|------------|---------------------|-------------------|---|----------------------|---|--|
|  |            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | APPROVE BY<br>FRANK | DATE<br>22/AUG/13 | PART NO.<br>FFH20001-SXXSXXX4K6K  | ITEM NO.<br>FFH20001 |  |  |
| DESIGN UNITS<br>Inch (metric)  |            | X.±.012(0.30)                            | X'±5"      | CHECKED BY          | DATE              | TITLE<br>Board to Board (Female Header)<br>Pitch 2.00mm 180° Vertical (DIP)   |                      | 3K-KAMING   |  |
|  |            | X.X±.008(0.20)                           | .X'±2"     | CHERRY              | 22/AUG/13         |   |                      |   |  |
|  |            | X.XX±.006(0.15)                          | .XX'±1"    | DRAWN BY            | DATE              |   |                      |   |  |
| SCALE<br>5:1   | SIZE<br>A4 | X.XXX±.004(0.10)                         | .XXX'±0.5" | JACOB               | 22/AUG/13         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING)<br>ELECTRONIC PRODUCTS CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |   |  |
| 4  |            | 5  |            | 6                   |                   | 7   |                      | 8   |  |

| REV | LOCATIONS | DESCRIPTION                | DATE     | REVISER | APPD |
|-----|-----------|----------------------------|----------|---------|------|
| 1   | △         | Size 2.20 change to 2.40mm | 20160509 | Cherry  | Jack |



| Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              | Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              |
|-----------------|----------------------|-------------------|--------------|-----------------|----------------------|-------------------|--------------|
|                 |                      | A                 | B            |                 |                      | A                 | B            |
| 2               | FFH20001-S02SXXX4K6K | .079(2.00)        | .177(4.50)   | 22              | FFH20001-S22SXXX4K6K | 1.654(42.00)      | 1.752(44.50) |
| 3               | FFH20001-S03SXXX4K6K | .157(4.00)        | .256(6.50)   | 23              | FFH20001-S23SXXX4K6K | 1.732(44.00)      | 1.831(46.50) |
| 4               | FFH20001-S04SXXX4K6K | .236(6.00)        | .335(8.50)   | 24              | FFH20001-S24SXXX4K6K | 1.811(46.00)      | 1.909(48.50) |
| 5               | FFH20001-S05SXXX4K6K | .315(8.00)        | .413(10.50)  | 25              | FFH20001-S25SXXX4K6K | 1.890(48.00)      | 1.988(50.50) |
| 6               | FFH20001-S06SXXX4K6K | .394(10.00)       | .492(12.50)  | 26              | FFH20001-S26SXXX4K6K | 1.969(50.00)      | 2.067(52.50) |
| 7               | FFH20001-S07SXXX4K6K | .472(12.00)       | .571(14.50)  | 27              | FFH20001-S27SXXX4K6K | 2.047(52.00)      | 2.146(54.50) |
| 8               | FFH20001-S08SXXX4K6K | .551(14.00)       | .650(16.50)  | 28              | FFH20001-S28SXXX4K6K | 2.126(54.00)      | 2.224(56.50) |
| 9               | FFH20001-S09SXXX4K6K | .630(16.00)       | .728(18.50)  | 29              | FFH20001-S29SXXX4K6K | 2.205(56.00)      | 2.303(58.50) |
| 10              | FFH20001-S10SXXX4K6K | .709(18.00)       | .807(20.50)  | 30              | FFH20001-S30SXXX4K6K | 2.283(58.00)      | 2.382(60.50) |
| 11              | FFH20001-S11SXXX4K6K | .787(20.00)       | .886(22.50)  | 31              | FFH20001-S31SXXX4K6K | 2.362(60.00)      | 2.460(62.50) |
| 12              | FFH20001-S12SXXX4K6K | .866(22.00)       | .965(24.50)  | 32              | FFH20001-S32SXXX4K6K | 2.441(62.00)      | 2.539(64.50) |
| 13              | FFH20001-S13SXXX4K6K | .845(24.00)       | 1.043(26.50) | 33              | FFH20001-S33SXXX4K6K | 2.520(64.00)      | 2.618(66.50) |
| 14              | FFH20001-S14SXXX4K6K | 1.024(26.00)      | 1.122(28.50) | 34              | FFH20001-S34SXXX4K6K | 2.598(66.00)      | 2.697(68.50) |
| 15              | FFH20001-S15SXXX4K6K | 1.102(28.00)      | 1.201(30.50) | 35              | FFH20001-S35SXXX4K6K | 2.677(68.00)      | 2.776(70.50) |
| 16              | FFH20001-S16SXXX4K6K | 1.181(30.00)      | 1.280(32.50) | 36              | FFH20001-S36SXXX4K6K | 2.756(70.00)      | 2.854(72.50) |
| 17              | FFH20001-S17SXXX4K6K | 1.260(32.00)      | 1.358(34.50) | 37              | FFH20001-S37SXXX4K6K | 2.835(72.00)      | 2.933(74.50) |
| 18              | FFH20001-S18SXXX4K6K | 1.339(34.00)      | 1.437(36.50) | 38              | FFH20001-S38SXXX4K6K | 2.913(74.00)      | 3.012(76.50) |
| 19              | FFH20001-S19SXXX4K6K | 1.417(36.00)      | 1.516(38.50) | 39              | FFH20001-S39SXXX4K6K | 2.992(76.00)      | 3.091(78.50) |
| 20              | FFH20001-S20SXXX4K6K | 1.496(38.00)      | 1.594(40.50) | 40              | FFH20001-S40SXXX4K6K | 3.071(78.00)      | 3.169(80.50) |
| 21              | FFH20001-S21SXXX4K6K | 1.575(40.00)      | 1.673(42.50) |                 |                      |                   |              |

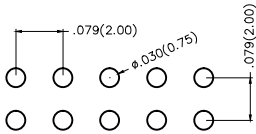
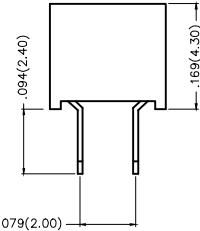
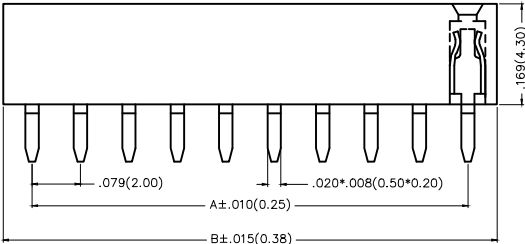
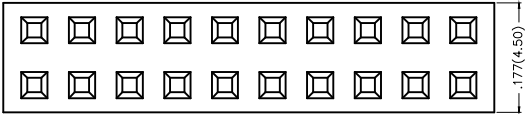


|   |  |  |            |                     |                   |   |                      |  |               |
|---|--|--|------------|---------------------|-------------------|---|----------------------|--|---------------|
| <br>THIRD ANGLE<br>PROJECTION |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | APPROVE BY<br>FRANK | DATE<br>22/AUG/13 | PART NO.<br>FFH20001-SXXSXXX4K6K  | ITEM NO.<br>FFH20001 | <br>3K-KAMING |               |
| DESIGN UNITS<br>Inch (metric)   |  | X.±.012(0.30)                            | X.±5°      | CHECKED BY          | DATE              | TITLE<br>Board to Board (Female Header)<br>Pitch 2.00mm 180° Vertical (DIP) |                      | REV 1  | SHEET NO. 2/2 |
|   |  | X.X±.008(0.20)                           | X.±2°      | CHERRY              | 22/AUG/13         |   |                      |  |               |
|   |  | SCALE<br>5:1                             | SIZE<br>A4 | X.XX±.006(0.15)     | X.X±1°            | DRAWN BY  | DATE                 |  |               |
|   |  | X.XXX±.004(0.10)                         | X.XX±0.5°  | JACOB               | 22/AUG/13         |   |                      |  |               |
| 4   |  | 5  |            | 6                   |                   | 7   |                      | 8  |               |

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

SPECIFICATIONS

Electrical  
Current Rating: 2A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 20 mΩ Max  
Insulation Resistance: 500 MΩ MIN  
Withstanding Voltage: 100V AC r.m.s  
Temperature Range—Operating: -25°C~+85°C  
Material and Plating  
Housing: Glass Filled Polyester( UL 94V-0)  
Pin: Brass  
Plating: Gold Plated/ Selective gold in contact area,  
tin on tail





Recommended P.C.Board Layout

Ordering Information

FFH 200 01 — D XX S X XX 4 K6 K  
1 2 3 4 5 6 7 8 9 10 11

|   |   |                            |                              |                        |                                  |
|---|---|----------------------------|------------------------------|------------------------|----------------------------------|
| 1 Category<br>FFH—Female Header   | 2 Series Number<br>200—Pitch 2.0mm  | 3 Distinction No.<br>01    | 4 Row Option<br>D—Double Row | 5 Circuits<br>XX       | 6 Entry Angle<br>S—180° Vertical |
| 7 Plating<br>1—Gold Plated<br>3—Selective gold<br>in contact area,<br>tin on tail | 8 Thickness of Plating<br>00—Gold Flash<br>05—5μ"<br>Custom plate available | 9 Material—Resin<br>4—PA6T | 10 Color—Resin<br>K6—Black   | 11 Packaging<br>K—Tray |                                  |



|   |  |                  |                     |                   |                                  |  |   |       |               |
|---|--|------------------|---------------------|-------------------|----------------------------------|--|---|-------|---------------|
| <br>THIRD ANGLE<br>PROJECTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                  | APPROVE BY<br>FRANK | DATE<br>22/AUG/13 | PART NO.<br>FFH20001-DXXSXXX4K6K | ITEM NO.<br>FFH20001   | <br>3K-KAMING®   |       |               |
|   | X.±.012(0.30)                            | X.'±5°           | CHECKED BY          | DATE              | TITLE                            |  |   |       |               |
|   | DESIGN UNITS<br>Inch (metric)            | X.X±.008(0.20)   | X.'±2°              | CHERRY            | 22/AUG/13                        | Board to Board (Female Header)<br>Pitch 2.00mm 180° Vertical (DIP) |   | REV 0 | SHEET NO. 1/2 |
|   | SCALE<br>5:1                             | SIZE<br>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)<br>ELECTRONIC PRODUCTS CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |               |
|   |  | X.XXX±.004(0.10) | X.XX'±0.5°          | JACOB             | 22/AUG/13                        |  |   |       |               |

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



| Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              | Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              |
|-----------------|----------------------|-------------------|--------------|-----------------|----------------------|-------------------|--------------|
|                 |                      | A                 | B            |                 |                      | A                 | B            |
| 4               | FFH20001-D04SXXX4K6K | .079(2.00)        | .177(4.50)   | 44              | FFH20001-D44SXXX4K6K | 1.654(42.00)      | 1.752(44.50) |
| 6               | FFH20001-D06SXXX4K6K | .157(4.00)        | .256(6.50)   | 46              | FFH20001-D46SXXX4K6K | 1.732(44.00)      | 1.831(46.50) |
| 8               | FFH20001-D08SXXX4K6K | .236(6.00)        | .335(8.50)   | 48              | FFH20001-D48SXXX4K6K | 1.811(46.00)      | 1.909(48.50) |
| 10              | FFH20001-D10SXXX4K6K | .315(8.00)        | .413(10.50)  | 50              | FFH20001-D50SXXX4K6K | 1.890(48.00)      | 1.988(50.50) |
| 12              | FFH20001-D12SXXX4K6K | .394(10.00)       | .492(12.50)  | 52              | FFH20001-D52SXXX4K6K | 1.969(50.00)      | 2.067(52.50) |
| 14              | FFH20001-D14SXXX4K6K | .472(12.00)       | .571(14.50)  | 54              | FFH20001-D54SXXX4K6K | 2.047(52.00)      | 2.146(54.50) |
| 16              | FFH20001-D16SXXX4K6K | .551(14.00)       | .650(16.50)  | 56              | FFH20001-D56SXXX4K6K | 2.126(54.00)      | 2.224(56.50) |
| 18              | FFH20001-D18SXXX4K6K | .630(16.00)       | .728(18.50)  | 58              | FFH20001-D58SXXX4K6K | 2.205(56.00)      | 2.303(58.50) |
| 20              | FFH20001-D20SXXX4K6K | .709(18.00)       | .807(20.50)  | 60              | FFH20001-D60SXXX4K6K | 2.283(58.00)      | 2.382(60.50) |
| 22              | FFH20001-D22SXXX4K6K | .787(20.00)       | .886(22.50)  | 62              | FFH20001-D62SXXX4K6K | 2.362(60.00)      | 2.460(62.50) |
| 24              | FFH20001-D24SXXX4K6K | .866(22.00)       | .965(24.50)  | 64              | FFH20001-D64SXXX4K6K | 2.441(62.00)      | 2.539(64.50) |
| 26              | FFH20001-D26SXXX4K6K | .845(24.00)       | 1.043(26.50) | 66              | FFH20001-D66SXXX4K6K | 2.520(64.00)      | 2.618(66.50) |
| 28              | FFH20001-D28SXXX4K6K | 1.024(26.00)      | 1.122(28.50) | 68              | FFH20001-D68SXXX4K6K | 2.598(66.00)      | 2.697(68.50) |
| 30              | FFH20001-D30SXXX4K6K | 1.102(28.00)      | 1.201(30.50) | 70              | FFH20001-D70SXXX4K6K | 2.677(68.00)      | 2.776(70.50) |
| 32              | FFH20001-D32SXXX4K6K | 1.181(30.00)      | 1.280(32.50) | 72              | FFH20001-D72SXXX4K6K | 2.756(70.00)      | 2.854(72.50) |
| 34              | FFH20001-D34SXXX4K6K | 1.260(32.00)      | 1.358(34.50) | 74              | FFH20001-D74SXXX4K6K | 2.835(72.00)      | 2.933(74.50) |
| 36              | FFH20001-D36SXXX4K6K | 1.339(34.00)      | 1.437(36.50) | 76              | FFH20001-D76SXXX4K6K | 2.913(74.00)      | 3.012(76.50) |
| 38              | FFH20001-D38SXXX4K6K | 1.417(36.00)      | 1.516(38.50) | 78              | FFH20001-D78SXXX4K6K | 2.992(76.00)      | 3.091(78.50) |
| 40              | FFH20001-D40SXXX4K6K | 1.496(38.00)      | 1.594(40.50) | 80              | FFH20001-D80SXXX4K6K | 3.071(78.00)      | 3.169(80.50) |
| 42              | FFH20001-D42SXXX4K6K | 1.575(40.00)      | 1.673(42.50) |                 |                      |                   |              |



|  |      |  |           |            |           |   |          |   |               |
|--|------|--|-----------|------------|-----------|---|----------|---|---------------|
|  |      | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           | APPROVE BY | DATE      | PART NO.  | ITEM NO. | <br>3K-KAMING® |               |
| THIRD ANGLE<br>PROJECTION  |      |  |           | FRANK      | 22/AUG/13 | FFH20001-DXXSXXX4K6K  | FFH20001 |   |               |
| DESIGN UNITS<br>Inch (metric)  |      | X.±.012(0.30)                            | X.±5"     | CHECKED BY | DATE      | TITLE<br>Board to Board (Female Header)<br>Pitch 2.00mm 180° Vertical (DIP)   |          | REV 0   | SHEET NO. 2/2 |
|  |      | X.X±.008(0.20)                           | X.±2"     | CHERRY     | 22/AUG/13 |   |          |   |               |
|  |      | X.XX±.006(0.15)                          | .XX±1"    | DRAWN BY   | DATE      |   |          |   |               |
| SCALE  | SIZE | X.XXX±.004(0.10)                         | .XXX±0.5" | JACOB      | 22/AUG/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG JUN(3K-KAMING)<br>ELECTRONIC PRODUCTS CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |   |               |
| 4  |      | 5  |           | 6          |           | 7   |          | 8   |               |