

| REV | LOCATIONS | DESCRIPTION | DATE      | REVISER | APPD   |
|-----|-----------|-------------|-----------|---------|--------|
| 1   | △         | Size change | 13/MAY/20 | KATE    | CHERRY |

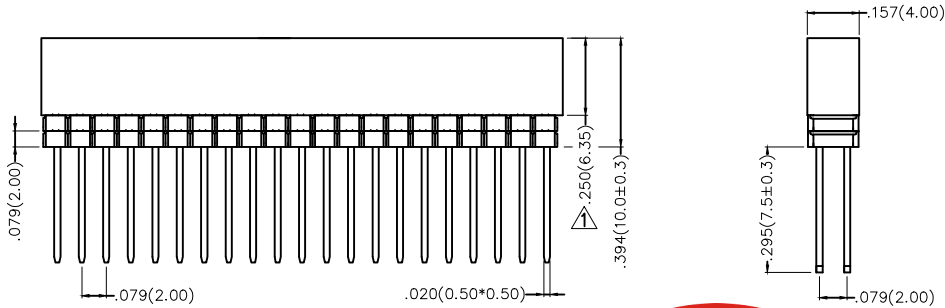
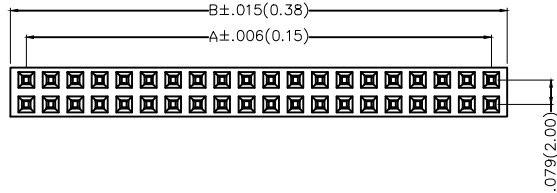


Electrical

Current Rating: 1A 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: -40°C~+85°C

Material and Plating

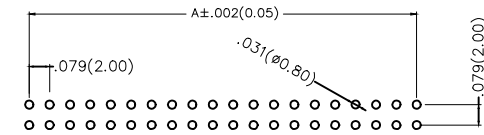
Housing: PA6T( UL 94V-0)  
Contact Pin: Brass  
Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area



Ordering Information

FFH 200 31 — 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>31    | 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>7—Selective gold plated on contact area and matte tin plated on tails area | 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

|                                   |                                       |  |   |                      |   |  |                      |       |
|-----------------------------------|---------------------------------------|--|---|----------------------|---|--|----------------------|-------|
| <br><b>THIRD ANGLE PROJECTION</b> | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | APPROVE BY<br>FRANK                       | DATE<br>08/JUL/15    | PART NO.<br>FFH20031—DXXSXXX4K6K  | ITEM NO.<br>FFH20031   | <br><b>3K-KAMING</b> |       |
|                                   | DESIGN UNITS<br>Inch (metric)         | X.±.012(0.30)<br>X.X±.008(0.20)<br>X.XX±.006(0.15)<br>X.XXX±.004(0.10) | X.'±5'<br>.X'±2'<br>.XX'±1"<br>.XXX'±0.5' | CHECKED BY<br>CHERRY | DATE<br>08/JUL/15   | TITLE<br>Board to Board (Female Header)<br>Pitch 2.0mm 180° Vertical (DIP) |                      | REV 1 |
| SCALE<br>5:1                      | SIZE<br>A4                            |  | DRAWN BY<br>KEVIN                         | DATE<br>08/JUL/15    | 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 |
|-----|-----------|-------------|------|---------|------|
|     |           |             |      |         |      |

| Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              | Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              |
|-----------------|----------------------|-------------------|--------------|-----------------|----------------------|-------------------|--------------|
|                 |                      | A                 | B            |                 |                      | A                 | B            |
| 4               | FFH20031-D04SXXX4K6K | .079(2.00)        | .177(4.50)   | 44              | FFH20031-D44SXXX4K6K | 1.654(42.00)      | 1.752(44.50) |
| 6               | FFH20031-D06SXXX4K6K | .157(4.00)        | .256(6.50)   | 46              | FFH20031-D46SXXX4K6K | 1.732(44.00)      | 1.831(46.50) |
| 8               | FFH20031-D08SXXX4K6K | .236(6.00)        | .335(8.50)   | 48              | FFH20031-D48SXXX4K6K | 1.811(46.00)      | 1.909(48.50) |
| 10              | FFH20031-D10SXXX4K6K | .315(8.00)        | .413(10.50)  | 50              | FFH20031-D50SXXX4K6K | 1.890(48.00)      | 1.988(50.50) |
| 12              | FFH20031-D12SXXX4K6K | .394(10.00)       | .492(12.50)  | 52              | FFH20031-D52SXXX4K6K | 1.969(50.00)      | 2.067(52.50) |
| 14              | FFH20031-D14SXXX4K6K | .472(12.00)       | .571(14.50)  | 54              | FFH20031-D54SXXX4K6K | 2.047(52.00)      | 2.146(54.50) |
| 16              | FFH20031-D16SXXX4K6K | .551(14.00)       | .650(16.50)  | 56              | FFH20031-D56SXXX4K6K | 2.126(54.00)      | 2.224(56.50) |
| 18              | FFH20031-D18SXXX4K6K | .630(16.00)       | .728(18.50)  | 58              | FFH20031-D58SXXX4K6K | 2.205(56.00)      | 2.303(58.50) |
| 20              | FFH20031-D20SXXX4K6K | .709(18.00)       | .807(20.50)  | 60              | FFH20031-D60SXXX4K6K | 2.283(58.00)      | 2.382(60.50) |
| 22              | FFH20031-D22SXXX4K6K | .787(20.00)       | .886(22.50)  | 62              | FFH20031-D62SXXX4K6K | 2.362(60.00)      | 2.460(62.50) |
| 24              | FFH20031-D24SXXX4K6K | .866(22.00)       | .965(24.50)  | 64              | FFH20031-D64SXXX4K6K | 2.441(62.00)      | 2.539(64.50) |
| 26              | FFH20031-D26SXXX4K6K | .845(24.00)       | 1.043(26.50) | 66              | FFH20031-D66SXXX4K6K | 2.520(64.00)      | 2.618(66.50) |
| 28              | FFH20031-D28SXXX4K6K | 1.024(26.00)      | 1.122(28.50) | 68              | FFH20031-D68SXXX4K6K | 2.598(66.00)      | 2.697(68.50) |
| 30              | FFH20031-D30SXXX4K6K | 1.102(28.00)      | 1.201(30.50) | 70              | FFH20031-D70SXXX4K6K | 2.677(68.00)      | 2.776(70.50) |
| 32              | FFH20031-D32SXXX4K6K | 1.181(30.00)      | 1.280(32.50) | 72              | FFH20031-D72SXXX4K6K | 2.756(70.00)      | 2.854(72.50) |
| 34              | FFH20031-D34SXXX4K6K | 1.260(32.00)      | 1.358(34.50) | 74              | FFH20031-D74SXXX4K6K | 2.835(72.00)      | 2.933(74.50) |
| 36              | FFH20031-D36SXXX4K6K | 1.339(34.00)      | 1.437(36.50) | 76              | FFH20031-D76SXXX4K6K | 2.913(74.00)      | 3.012(76.50) |
| 38              | FFH20031-D38SXXX4K6K | 1.417(36.00)      | 1.516(38.50) | 78              | FFH20031-D78SXXX4K6K | 2.992(76.00)      | 3.091(78.50) |
| 40              | FFH20031-D40SXXX4K6K | 1.496(38.00)      | 1.594(40.50) | 80              | FFH20031-D80SXXX4K6K | 3.071(78.00)      | 3.169(80.50) |
| 42              | FFH20031-D42SXXX4K6K | 1.575(40.00)      | 1.673(42.50) |                 |                      |                   |              |



|                               |  |                 |                     |                      |                                  |   |               |               |
|-------------------------------|--|-----------------|---------------------|----------------------|----------------------------------|---|---------------|---------------|
| <br>THIRD ANGLE<br>PROJECTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                 | APPROVE BY<br>FRANK | DATE<br>08/JUL/15    | PART NO.<br>FFH20031-DXXSXXX4K6K | ITEM NO.<br>FFH20031  | <br>3K-KAMING |               |
|                               | DESIGN UNITS<br>Inch (metric)            | X.±.012(0.30)   | X.±5'               | CHECKED BY<br>CHERRY | DATE<br>08/JUL/15                | TITLE<br>Board to Board (Female Header)<br>Pitch 2.00mm 180° Vertical (DIP)   |               |               |
| SCALE<br>5:1                  | SIZE<br>A4                               | X.XX±.006(0.15) | .XX±1'              | DRAWN BY<br>KEVIN    | DATE<br>08/JUL/15                | 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 PERMISSON | REV 1         | SHEET NO. 2/2 |