

Dimensions(in/mm)

|             |                                  |
|-------------|----------------------------------|
| H           | H1+H2+H3                         |
| .217(5.50)  | .059(1.50)+.079(2.00)+.079(2.00) |
| ≥.236(6.00) | .079(2.00)+.079(2.00)+.079(2.00) |

| REV | LOCATIONS | DESCRIPTION | DATE | REVISED | APPD |
|-----|-----------|-------------|------|---------|------|
|     |           |             |      |         |      |

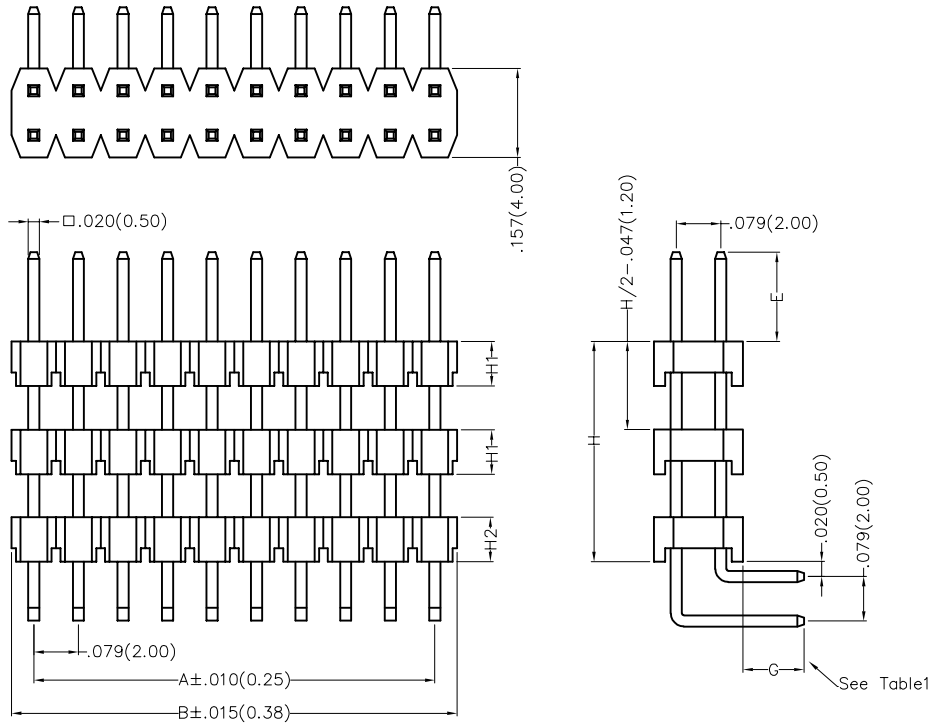
SPECIFICATIONS

Electrical

- Current Rating: 2.0A AC(rms)/DC
- Voltage Rating: 250V AC(rms)/DC
- Contact Resistance: 20 mΩ Max
- Insulation Resistance: 1000 MΩ Min
- Withstanding Voltage: 600V AC r.m.s
- Temperature Range-Operating: -40°C~+105°C

Material

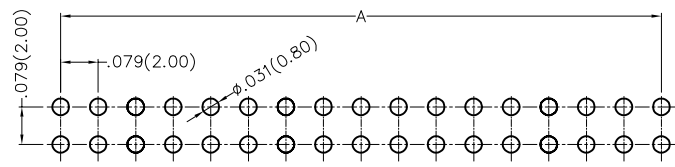
- Housing: Glass Filled Polyester (UL 94V-0), Color: Black
- Pin: Brass
- Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area



Ordering Information

|     |     |    |   |   |    |   |   |    |    |    |    |    |   |
|-----|-----|----|---|---|----|---|---|----|----|----|----|----|---|
| FPH | 200 | 56 | - | D | XX | B | X | XX | X  | XX | XX | XX | B |
| 1   | 2   | 3  | 4 | 5 | 6  | 7 | 8 | 9  | 10 | 11 | 12 | 13 |   |

|  |  |  |  |  |                                     |   |
|--|--|--|--|--|-------------------------------------|---|
| 1 <u>Category</u><br>FPH-Pin Header  | 2 <u>Series Number</u><br>200-Pitch2.00mm  | 3 <u>Distinction No.</u><br>56                             | 4 <u>Row Option</u><br>D-Double Row                        | 5 <u>Circuits</u><br>XX                                    | 6 <u>Entry Angle</u><br>B-90° Angle | 7 <u>Plating</u><br>1-Gold plated<br>7-Selective gold plated on contact area and matte tin plated on tails area |
| 8 <u>Thickness of Plating</u><br>01-1μ"<br>15-15μ"<br>Custom plate available | 9 <u>Material-Resin</u><br>1-PBT<br>4-PA6T | 10 <u>E Size</u><br>01,02...-Serial number<br>(See Table1) | 11 <u>G Size</u><br>01,02...-Serial number<br>(See Table1) | 12 <u>H Size</u><br>01,02...-Serial number<br>(See Table1) | 13 <u>Packaging</u><br>B-PE Bag     |   |



Recommended P.C.Board Layout  
General Tolerances: ±0.05mm

|                               |                                       |                 |                      |                   |  |  |                           |       |
|-------------------------------|---------------------------------------|-----------------|----------------------|-------------------|--|--|---------------------------|-------|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) |                 | APPROVE BY<br>FRANK  | DATE<br>23/DEC/19 | PART NO.<br>FPH20056-DXXBXXXXXXXXXB                                | ITEM NO.<br>FPH20056   | <p>Leader Of Industry</p> |       |
|                               | X.±.012(0.30)                         | X.±5'           | CHECKED BY<br>CHERRY | DATE<br>23/DEC/19 | TITLE<br>Board to Board(Pin Header)<br>Pitch 2.00mm 90° Angle(DIP) |  |                           | REV 0 |
|                               | DESIGN UNITS<br>Inch (metric)         | X.XX±.008(0.20) | .X'±2'               | DRAWN BY<br>ZOEY  | DATE<br>23/DEC/19  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |       |
|                               | SCALE<br>5:1                          | SIZE<br>A4      | X.XX±.006(0.15)      | .XX'±1'           |  |  |                           |       |

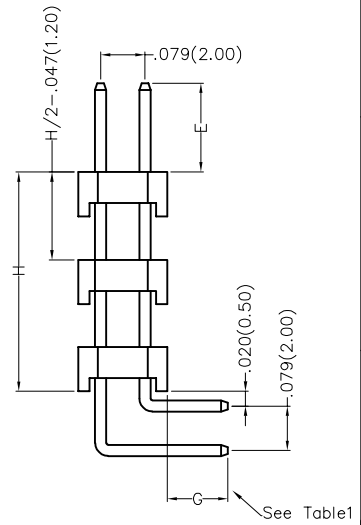
| REV | LOCATIONS | DESCRIPTION | DATE | REVISED | APPD |
|-----|-----------|-------------|------|---------|------|
|     |           |             |      |         |      |

Table1

| Serial number | Dimensions (in/mm)<br>E | Serial number | Dimensions (in/mm)<br>E |
|---------------|-------------------------|---------------|-------------------------|
| 01            | .059(1.50)              | 19            | .236(6.00)              |
| 02            | .069(1.75)              | 20            | .246(6.25)              |
| 03            | .079(2.00)              | 21            | .256(6.50)              |
| 04            | .089(2.25)              | 22            | .266(6.75)              |
| 05            | .098(2.50)              | 23            | .276(7.00)              |
| 06            | .108(2.75)              | 24            | .285(7.25)              |
| 07            | .118(3.00)              | 25            | .295(7.50)              |
| 08            | .128(3.25)              | 26            | .305(7.75)              |
| 09            | .138(3.50)              | 27            | .315(8.00)              |
| 10            | .148(3.75)              | 28            | .325(8.25)              |
| 11            | .157(4.00)              | 29            | .335(8.50)              |
| 12            | .167(4.25)              | 30            | .344(8.75)              |
| 13            | .177(4.50)              | 31            | .354(9.00)              |
| 14            | .187(4.75)              | 32            | .364(9.25)              |
| 15            | .197(5.00)              | 33            | .374(9.50)              |
| 16            | .207(5.25)              | 34            | .384(9.75)              |
| 17            | .217(5.50)              | 35            | .394(10.00)             |
| 18            | .226(5.75)              |               |                         |

| Serial number | Dimensions (in/mm)<br>G | Serial number | Dimensions (in/mm)<br>G |
|---------------|-------------------------|---------------|-------------------------|
| 01            | .059(1.50)              | 19            | .236(6.00)              |
| 02            | .069(1.75)              | 20            | .246(6.25)              |
| 03            | .079(2.00)              | 21            | .256(6.50)              |
| 04            | .089(2.25)              | 22            | .266(6.75)              |
| 05            | .098(2.50)              | 23            | .276(7.00)              |
| 06            | .108(2.75)              | 24            | .285(7.25)              |
| 07            | .118(3.00)              | 25            | .295(7.50)              |
| 08            | .128(3.25)              | 26            | .305(7.75)              |
| 09            | .138(3.50)              | 27            | .315(8.00)              |
| 10            | .148(3.75)              | 28            | .325(8.25)              |
| 11            | .157(4.00)              | 29            | .335(8.50)              |
| 12            | .167(4.25)              | 30            | .344(8.75)              |
| 13            | .177(4.50)              | 31            | .354(9.00)              |
| 14            | .187(4.75)              | 32            | .364(9.25)              |
| 15            | .197(5.00)              | 33            | .374(9.50)              |
| 16            | .207(5.25)              | 34            | .384(9.75)              |
| 17            | .217(5.50)              | 35            | .394(10.00)             |
| 18            | .226(5.75)              |               |                         |



| Serial number | Dimensions (in/mm)<br>H | Serial number | Dimensions (in/mm)<br>H |
|---------------|-------------------------|---------------|-------------------------|
| 01            | .217(5.50)              | 19            | .571(14.50)             |
| 02            | .236(6.00)              | 20            | .591(15.00)             |
| 03            | .256(6.50)              | 21            | .610(15.50)             |
| 04            | .276(7.00)              | 22            | .630(16.00)             |
| 05            | .295(7.50)              | 23            | .650(16.50)             |
| 06            | .315(8.00)              | 24            | .669(17.00)             |
| 07            | .335(8.50)              | 25            | .689(17.50)             |
| 08            | .354(9.00)              | 26            | .709(18.00)             |
| 09            | .374(9.50)              | 27            | .728(18.50)             |
| 10            | .394(10.00)             | 28            | .748(19.00)             |
| 11            | .413(10.50)             | 29            | .768(19.50)             |
| 12            | .433(11.00)             | 30            | .787(20.00)             |
| 13            | .453(11.50)             | 31            | .807(20.50)             |
| 14            | .472(12.00)             | 32            | .827(21.00)             |
| 15            | .492(12.50)             | 33            | .846(21.50)             |
| 16            | .512(13.00)             | 34            | .866(22.00)             |
| 17            | .531(13.50)             | 35            | .886(22.50)             |
| 18            | .551(14.00)             | 36            | .906(23.00)             |



|                               |                                       |                |                      |                   |  |  |                           |       |
|-------------------------------|---------------------------------------|----------------|----------------------|-------------------|--|--|---------------------------|-------|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) |                | APPROVE BY<br>FRANK  | DATE<br>23/DEC/19 | PART NO.<br>FPH20056-DXXBXXXXXXXXXB                                | ITEM NO.<br>FPH20056   | <p>Leader Of Industry</p> |       |
|                               | X.±.012(0.30)                         | X.±5'          | CHECKED BY<br>CHERRY | DATE<br>23/DEC/19 | TITLE<br>Board to Board(Pin Header)<br>Pitch 2.00mm 90° Angle(DIP) |  |                           | REV 0 |
|                               | DESIGN UNITS<br>Inch (metric)         | X.X±.008(0.20) | X.±2'                | DRAWN BY<br>ZOEY  | DATE<br>23/DEC/19  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |       |
|                               | SCALE<br>5:1                          | SIZE<br>A4     | X.XX±.006(0.15)      | X.X±1'            |  |  |                           |       |

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

| Circuits (n) | Part No.                | Dimensions(in/mm) |              | Circuits (n) | Part No.                | Dimensions(in/mm) |              |
|--------------|-------------------------|-------------------|--------------|--------------|-------------------------|-------------------|--------------|
|              |                         | A                 | B            |              |                         | A                 | B            |
| 2            | FPH20056-D02BXXXXXXXXXB | —                 | .079(2.00)   | 42           | FPH20056-D42BXXXXXXXXXB | 1.574(40.00)      | 1.654(42.00) |
| 4            | FPH20056-D04BXXXXXXXXXB | .079(2.00)        | .157(4.00)   | 44           | FPH20056-D44BXXXXXXXXXB | 1.654(42.00)      | 1.732(44.00) |
| 6            | FPH20056-D06BXXXXXXXXXB | .157(4.00)        | .236(6.00)   | 46           | FPH20056-D46BXXXXXXXXXB | 1.732(44.00)      | 1.811(46.00) |
| 8            | FPH20056-D08BXXXXXXXXXB | .236(6.00)        | .315(8.00)   | 48           | FPH20056-D48BXXXXXXXXXB | 1.811(46.00)      | 1.890(48.00) |
| 10           | FPH20056-D10BXXXXXXXXXB | .315(8.00)        | .394(10.00)  | 50           | FPH20056-D50BXXXXXXXXXB | 1.890(48.00)      | 1.969(50.00) |
| 12           | FPH20056-D12BXXXXXXXXXB | .394(10.00)       | .472(12.00)  | 52           | FPH20056-D52BXXXXXXXXXB | 1.969(50.00)      | 2.047(52.00) |
| 14           | FPH20056-D14BXXXXXXXXXB | .472(12.00)       | .551(14.00)  | 54           | FPH20056-D54BXXXXXXXXXB | 2.047(52.00)      | 2.126(54.00) |
| 16           | FPH20056-D16BXXXXXXXXXB | .551(14.00)       | .630(16.00)  | 56           | FPH20056-D56BXXXXXXXXXB | 2.126(54.00)      | 2.205(56.00) |
| 18           | FPH20056-D18BXXXXXXXXXB | .630(16.00)       | .709(18.00)  | 58           | FPH20056-D58BXXXXXXXXXB | 2.205(56.00)      | 2.283(58.00) |
| 20           | FPH20056-D20BXXXXXXXXXB | .709(18.00)       | .787(20.00)  | 60           | FPH20056-D60BXXXXXXXXXB | 2.283(58.00)      | 2.362(60.00) |
| 22           | FPH20056-D22BXXXXXXXXXB | .787(20.00)       | .866(22.00)  | 62           | FPH20056-D62BXXXXXXXXXB | 2.362(60.00)      | 2.441(62.00) |
| 24           | FPH20056-D24BXXXXXXXXXB | .866(22.00)       | .945(24.00)  | 64           | FPH20056-D64BXXXXXXXXXB | 2.441(62.00)      | 2.520(64.00) |
| 26           | FPH20056-D26BXXXXXXXXXB | .945(24.00)       | 1.024(26.00) | 66           | FPH20056-D66BXXXXXXXXXB | 2.520(64.00)      | 2.598(66.00) |
| 28           | FPH20056-D28BXXXXXXXXXB | 1.024(26.00)      | 1.102(28.00) | 68           | FPH20056-D68BXXXXXXXXXB | 2.598(66.00)      | 2.677(68.00) |
| 30           | FPH20056-D30BXXXXXXXXXB | 1.102(28.00)      | 1.181(30.00) | 70           | FPH20056-D70BXXXXXXXXXB | 2.677(68.00)      | 2.756(70.00) |
| 32           | FPH20056-D32BXXXXXXXXXB | 1.181(30.00)      | 1.260(32.00) | 72           | FPH20056-D72BXXXXXXXXXB | 2.756(70.00)      | 2.835(72.00) |
| 34           | FPH20056-D34BXXXXXXXXXB | 1.260(32.00)      | 1.339(34.00) | 74           | FPH20056-D74BXXXXXXXXXB | 2.835(72.00)      | 2.913(74.00) |
| 36           | FPH20056-D36BXXXXXXXXXB | 1.339(34.00)      | 1.417(36.00) | 76           | FPH20056-D76BXXXXXXXXXB | 2.913(74.00)      | 2.992(76.00) |
| 38           | FPH20056-D38BXXXXXXXXXB | 1.417(36.00)      | 1.496(38.00) | 78           | FPH20056-D78BXXXXXXXXXB | 2.992(76.00)      | 3.071(78.00) |
| 40           | FPH20056-D40BXXXXXXXXXB | 1.496(38.00)      | 1.574(40.00) | 80           | FPH20056-D80BXXXXXXXXXB | 3.071(78.00)      | 3.150(80.00) |

|   |                                       |                  |            |           |   |  |   |               |
|---|---------------------------------------|------------------|------------|-----------|---|--|---|---------------|
| <br>THIRD ANGLE<br>PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |                  | APPROVE BY | DATE      | PART NO.  | ITEM NO.   | <br>Leader Of Industry |               |
|   | X.±.012(0.30)                         | X.±5'            | FRANK      | 23/DEC/19 | FPH20056-DXXBXXXXXXXXXB                                   | FPH20056   |   |               |
|   | X.X±.008(0.20)                        | .X±2'            | CHECKED BY | DATE      | TITLE   |  |   |               |
|   | X.XX±.006(0.15)                       | .XX±1'           | CHERRY     | 23/DEC/19 | Board to Board(Pin Header)<br>Pitch 2.00mm 90° Angle(DIP) |  |   |               |
| SCALE 5:1   | SIZE A4                               | X.XXX±.004(0.10) | .XXX±0.5'  | DRAWN BY  | DATE  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | REV 0   | SHEET NO. 3/3 |
|   |                                       |                  | ZOEY       | 23/DEC/19 |   |  |   |               |