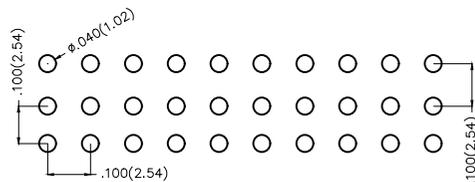
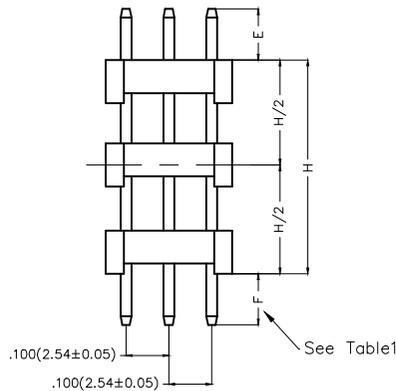
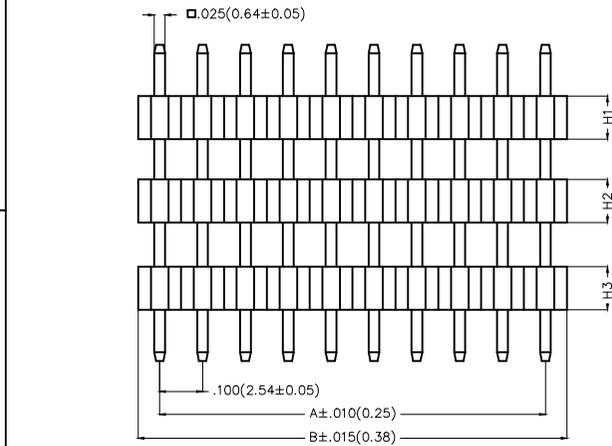
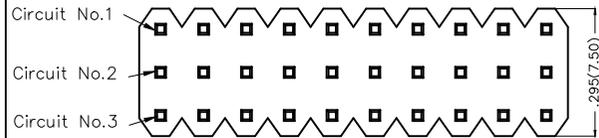


| Dimensions(in/mm) |                                  |
|-------------------|----------------------------------|
| H                 | H1+H2+H3                         |
| .217(5.50)        | .059(1.50)+.079(2.00)+.079(2.00) |
| .236(6.00)        | .079(2.00)+.079(2.00)+.079(2.00) |
| .256(6.50)        | .079(2.00)+.079(2.00)+.098(2.50) |
| .276(7.00)        | .079(2.00)+.098(2.50)+.098(2.50) |
| ≧.295(7.50)       | .098(2.50)+.098(2.50)+.098(2.50) |



Recommended P.C.Board Layout

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

SPECIFICATIONS

Electrical

Current Rating: 3.0A 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 254 58 — T XX S X XX X XX XX XX B  
1 2 3 4 5 6 7 8 9 10 11 12 13

|                              |                                     |                         |                             |                  |                                  |  |
|------------------------------|-------------------------------------|-------------------------|-----------------------------|------------------|----------------------------------|--|
| 1 Category<br>FPH—Pin Header | 2 Series Number<br>254—Pitch 2.54mm | 3 Distinction No.<br>58 | 4 Row Option<br>T—Three 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>01—1μ"<br>15—15μ"<br>Custom plate available | 9 Material—Resin<br>1—PBT<br>4—PA6T | 10 E Size<br>01,02...—Serial number<br>(See Table1) | 11 F Size<br>01,02...—Serial number<br>(See Table1) | 12 H Size<br>01,02...—Serial number<br>(See Table1) | 13 Packaging<br>B—PE Bag |
|---|-------------------------------------|---|---|---|--------------------------|

|                               |                                       |                  |                      |                   |  |                      |                           |       |               |
|-------------------------------|---------------------------------------|------------------|----------------------|-------------------|--|----------------------|---------------------------|-------|---------------|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) |                  | APPROVE BY<br>FRANK  | DATE<br>24/DEC/19 | PART NO.<br>FPH25458—TXSXXXXXXXXXB   | ITEM NO.<br>FPH25458 | <p>Leader Of Industry</p> |       |               |
|                               | X.±.012(0.30)                         | X.±5'            | CHECKED BY<br>CHERRY | DATE<br>24/DEC/19 | TITLE<br>Board to Board(Pin Header)<br>Pitch 2.54mm 180° Vertical(DIP)   |                      |                           | REV 0 | SHEET NO. 1/3 |
|                               | X.X±.008(0.20)                        | .X'±2'           | DRAWN BY<br>ZOEY     | DATE<br>24/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 |                      |                           |       |               |
|                               | X.XX±.006(0.15)                       | .XX'±1'          |                      |                   |  |                      |                           |       |               |
| SCALE<br>5:1                  | SIZE<br>A4                            | X.XXX±.004(0.10) | .XX'±0.5'            |                   |  |                      |                           |       |               |

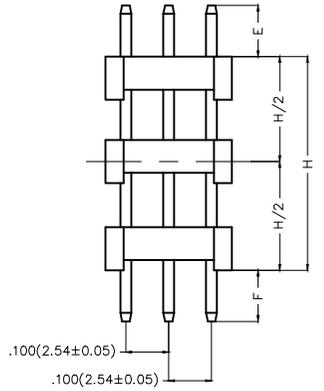
|     |           |             |      |         |      |
|-----|-----------|-------------|------|---------|------|
| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|     |           |             |      |         |      |

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>F | Serial number | Dimensions (in/mm)<br>F |
|---------------|-------------------------|---------------|-------------------------|
| 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>24/DEC/19    | PART NO.<br>FPH25458-TXXSXXXXXXXXXXB | ITEM NO.<br>FPH25458   | <p>Leader Of Industry</p> |                   |  |
|                               | DESIGN UNITS<br>Inch (metric)         | X.±.012(0.30)    | X'.±5'              | CHECKED BY<br>CHERRY | DATE<br>24/DEC/19                    | TITLE<br>Board to Board(Pin Header)<br>Pitch 2.54mm 180° Vertical(DIP) |                           | REV 0             | SHEET NO. 2/3  |
|                               |                                       | SCALE<br>5:1     | SIZE<br>A4          | X.XX±.008(0.20)      | .X'±2'                               | DRAWN BY<br>ZOEY   |                           | DATE<br>24/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 |
|                               |                                       |                  | X.XX±.006(0.15)     | .XX'±1'              |                                      |  |                           |                   |  |
|                               |                                       | X.XXX±.004(0.10) | .XXX'±0.5'          |                      |                                      |  |                           |                   |  |

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

| Circuits (n) | Part No.                 | Dimensions(in/mm) |              | Circuits (n) | Part No.                  | Dimensions(in/mm) |               |
|--------------|--------------------------|-------------------|--------------|--------------|---------------------------|-------------------|---------------|
|              |                          | A                 | B            |              |                           | A                 | B             |
| 9            | FPH25458-T09SXXXXXXXXXXB | .200(5.08)        | .300(7.62)   | 66           | FPH25458-T66SXXXXXXXXXXB  | 2.100(53.34)      | 2.200(55.88)  |
| 12           | FPH25458-T12SXXXXXXXXXXB | .300(7.62)        | .400(10.16)  | 69           | FPH25458-T69SXXXXXXXXXXB  | 2.200(55.88)      | 2.300(58.42)  |
| 15           | FPH25458-T15SXXXXXXXXXXB | .400(10.16)       | .500(12.70)  | 72           | FPH25458-T72SXXXXXXXXXXB  | 2.300(58.42)      | 2.400(60.96)  |
| 18           | FPH25458-T18SXXXXXXXXXXB | .500(12.70)       | .600(15.24)  | 75           | FPH25458-T75SXXXXXXXXXXB  | 2.400(60.96)      | 2.500(63.50)  |
| 21           | FPH25458-T21SXXXXXXXXXXB | .600(15.24)       | .700(17.78)  | 78           | FPH25458-T78SXXXXXXXXXXB  | 2.500(63.50)      | 2.600(66.04)  |
| 24           | FPH25458-T24SXXXXXXXXXXB | .700(17.78)       | .800(20.32)  | 81           | FPH25458-T81SXXXXXXXXXXB  | 2.600(66.04)      | 2.700(68.58)  |
| 27           | FPH25458-T27SXXXXXXXXXXB | .800(20.32)       | .900(22.86)  | 84           | FPH25458-T84SXXXXXXXXXXB  | 2.700(68.58)      | 2.800(71.12)  |
| 30           | FPH25458-T30SXXXXXXXXXXB | .900(22.86)       | 1.000(25.40) | 87           | FPH25458-T87SXXXXXXXXXXB  | 2.800(71.12)      | 2.900(73.66)  |
| 33           | FPH25458-T33SXXXXXXXXXXB | 1.000(25.40)      | 1.100(27.94) | 90           | FPH25458-T90SXXXXXXXXXXB  | 2.900(73.66)      | 3.000(76.20)  |
| 36           | FPH25458-T36SXXXXXXXXXXB | 1.100(27.94)      | 1.200(30.48) | 93           | FPH25458-T93SXXXXXXXXXXB  | 3.000(76.20)      | 3.100(78.74)  |
| 39           | FPH25458-T39SXXXXXXXXXXB | 1.200(30.48)      | 1.300(33.02) | 96           | FPH25458-T96SXXXXXXXXXXB  | 3.100(78.74)      | 3.200(81.28)  |
| 42           | FPH25458-T42SXXXXXXXXXXB | 1.300(33.02)      | 1.400(35.56) | 99           | FPH25458-T99SXXXXXXXXXXB  | 3.200(81.28)      | 3.300(83.82)  |
| 45           | FPH25458-T45SXXXXXXXXXXB | 1.400(35.56)      | 1.500(38.10) | 102          | FPH25458-T102SXXXXXXXXXXB | 3.300(83.82)      | 3.400(86.36)  |
| 48           | FPH25458-T48SXXXXXXXXXXB | 1.500(38.10)      | 1.600(40.64) | 105          | FPH25458-T105SXXXXXXXXXXB | 3.400(86.36)      | 3.500(88.90)  |
| 51           | FPH25458-T51SXXXXXXXXXXB | 1.600(40.64)      | 1.700(43.18) | 108          | FPH25458-T108SXXXXXXXXXXB | 3.500(88.90)      | 3.600(91.44)  |
| 54           | FPH25458-T54SXXXXXXXXXXB | 1.700(43.18)      | 1.800(45.72) | 111          | FPH25458-T111SXXXXXXXXXXB | 3.600(91.44)      | 3.700(93.98)  |
| 57           | FPH25458-T57SXXXXXXXXXXB | 1.800(45.72)      | 1.900(48.26) | 114          | FPH25458-T114SXXXXXXXXXXB | 3.700(93.98)      | 3.800(96.52)  |
| 60           | FPH25458-T60SXXXXXXXXXXB | 1.900(48.26)      | 2.000(50.80) | 117          | FPH25458-T117SXXXXXXXXXXB | 3.800(96.52)      | 3.900(99.06)  |
| 63           | FPH25458-T63SXXXXXXXXXXB | 2.000(50.80)      | 2.100(53.34) | 120          | FPH25458-T120SXXXXXXXXXXB | 3.900(99.06)      | 4.000(101.60) |

|  |                                       |                  |                     |                      |                                      |  |   |  |
|--|---------------------------------------|------------------|---------------------|----------------------|--------------------------------------|--|---|--|
| <br>THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |                  | APPROVE BY<br>FRANK | DATE<br>24/DEC/19    | PART NO.<br>FPH25458-TXXSXXXXXXXXXXB | ITEM NO.<br>FPH25458   | <br>Leader Of Industry |  |
|  | DESIGN UNITS<br>Inch (metric)         | X.±.012(0.30)    | X.±5'               | CHECKED BY<br>CHERRY | DATE<br>24/DEC/19                    | TITLE<br>Board to Board(Pin Header)<br>Pitch 2.54mm 180° Vertical(DIP)   |   |  |
|  |                                       | X.X±.008(0.20)   | .X'±2'              | DRAWN BY<br>ZOEY     | DATE<br>24/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 0 SHEET NO. 3/3                  |  |   |  |
|  |                                       | X.XXX±.004(0.10) | .XXX'±0.5'          |                      |                                      |  |   |  |