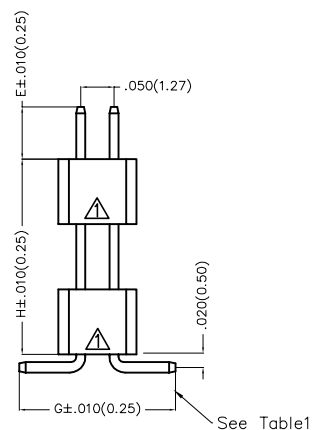
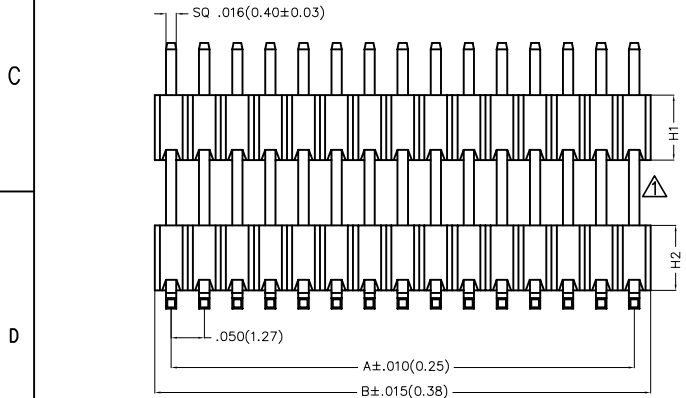
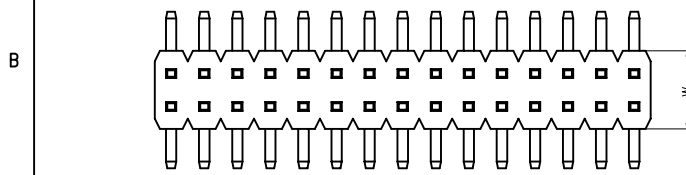


| Dimensions(in/mm) | | |
|-------------------|-----------------------|------------|
| H | H1+H2 | W |
| .118(3.00) | .059(1.50)+.059(1.50) | .134(3.40) |
| .138(3.50) | .059(1.50)+.059(1.50) | |
| .157(4.00) | .079(2.00)+.079(2.00) | |
| .177(4.50) | .079(2.00)+.098(2.50) | .118(3.00) |
| ≥.197(5.00) | .098(2.50)+.098(2.50) | |

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|--------------------------|-----------|---------|------|
| 1 | △ | Update housing structure | 06/JUN/24 | MATT | LEO |



SPECIFICATIONS

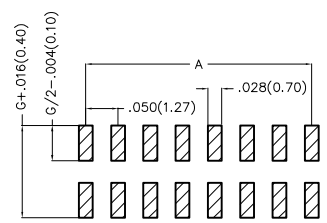
Electrical
 Current Rating: 1.0A AC(rms)/DC
 Voltage Rating: 250V AC(rms)/DC
 Contact Resistance: 20 mΩ Max
 Insulation Resistance: 1000 MΩ Min
 Withstanding Voltage: 600V AC r.m.s
 Temperature Range—Operating: -40°C~+105°C

Material and Plating
 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 | 127 | 48 | — | D | XX | S | X | XX | 4 | XX | XX | XX | M |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |

| | | | | | | |
|--|-------------------------------------|---|---|---|----------------------------------|--|
| Category FPH—Pin Header | 2 Series Number 127—Pitch 1.27mm | 3 Distinction No. 48 | 4 Row Option D—Double Row | 5 Circuits XX | 6 Entry Angle S—180° Vertical | 7 Plating 1—Gold plated 7—Selective gold plated on contact area and matte tin plated on tails area |
| 8 Thickness of Plating 00—Gold flash 01—1μ" 03—3μ" 15—15μ" Custom plate available | 9 Material—Resin 4—PA6T | 10 E Size 01,02...—Serial number (See Table1) | 11 G Size 01,02...—Serial number (See Table1) | 12 H Size 01,02...—Serial number (See Table1) | 13 Packaging M—Reel | |



Recommended P.C.Board Layout

| | | | | | | | |
|------------------------|---------------------------------------|-----------------|---------------------|----------------------|--------------------------------------|--|---------------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 17/DEC/19 | PART NO. FPH12748—DXXSXXX4XXXXXXM | ITEM NO. FPH12748 | |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) | X'±5' | CHECKED BY CHERRY | DATE 17/DEC/19 | TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT) | |
| SCALE 5:1 | SIZE A4 | X.XX±.006(0.15) | .XX'±1' | DRAWN BY ZOEY | DATE 17/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 | REV 1 SHEET NO. 1/3 |

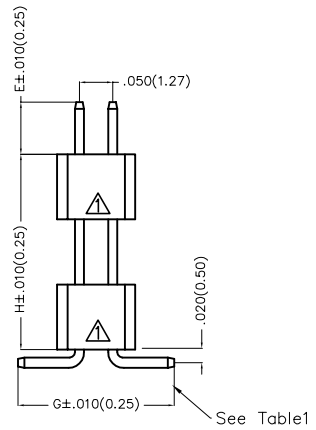
| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
| | | | | | |

Table1

| Serial number | Dimensions (in/mm) E | Serial number | Dimensions (in/mm) 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) G | Serial number | Dimensions (in/mm) G |
|---------------|-------------------------|---------------|-------------------------|
| 05 | .177(4.50) | 17 | .295(7.50) |
| 06 | .187(4.75) | 18 | .305(7.75) |
| 07 | .197(5.00) | 19 | .315(8.00) |
| 08 | .207(5.25) | 20 | .325(8.25) |
| 09 | .217(5.50) | 21 | .335(8.50) |
| 10 | .226(5.75) | 22 | .344(8.75) |
| 11 | .236(6.00) | 23 | .354(9.00) |
| 12 | .246(6.25) | 24 | .364(9.25) |
| 13 | .256(6.50) | 25 | .374(9.50) |
| 14 | .266(6.75) | 26 | .384(9.75) |
| 15 | .276(7.00) | 27 | .394(10.00) |
| 16 | .285(7.25) | | |



| Serial number | Dimensions (in/mm) H | Serial number | Dimensions (in/mm) H |
|---------------|-------------------------|---------------|-------------------------|
| 01 | .118(3.00) | 19 | .472(12.00) |
| 02 | .138(3.50) | 20 | .492(12.50) |
| 03 | .157(4.00) | 21 | .512(13.00) |
| 04 | .177(4.50) | 22 | .531(13.50) |
| 05 | .197(5.00) | 23 | .551(14.00) |
| 06 | .217(5.50) | 24 | .571(14.50) |
| 07 | .236(6.00) | 25 | .591(15.00) |
| 08 | .256(6.50) | 26 | .610(15.50) |
| 09 | .276(7.00) | 27 | .630(16.00) |
| 10 | .295(7.50) | 28 | .650(16.50) |
| 11 | .315(8.00) | 29 | .669(17.00) |
| 12 | .335(8.50) | 30 | .689(17.50) |
| 13 | .354(9.00) | 31 | .709(18.00) |
| 14 | .374(9.50) | 32 | .728(18.50) |
| 15 | .394(10.00) | 33 | .748(19.00) |
| 16 | .413(10.50) | 34 | .768(19.50) |
| 17 | .433(11.00) | 35 | .787(20.00) |
| 18 | .453(11.50) | | |



| | | | | | | | | |
|-------------------------------|---------------------------------------|----------------|----------------------|-------------------|--|--|--|-------|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 17/DEC/19 | PART NO. FPH12748-DXXSXXX4XXXXXXM | ITEM NO. FPH12748 | <p>Building Technology Cornerstone</p> | |
| | X.±.012(0.30) | X'.±5' | CHECKED BY CHERRY | DATE 17/DEC/19 | TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT) | | | REV 1 |
| | DESIGN UNITS Inch (metric) | X.X±.008(0.20) | .X'±2' | DRAWN BY ZOEY | DATE 17/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 5:1 | SIZE A4 | X.XX±.006(0.15) | .XX'±1' | X.XXX±.004(0.10) | | | |

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

| Circuits (n) | Part No. | Dimensions(in/mm) | | Circuits (n) | Part No. | Dimensions(in/mm) | |
|--------------|--------------------------|-------------------|--------------|--------------|---------------------------|-------------------|--------------|
| | | A | B | | | A | B |
| 4 | FPH12748-D04SXXX4XXXXXXM | .050(1.27) | .100(2.54) | 44 | FPH12748-D44SXXX4XXXXXXM | 1.050(26.67) | 1.100(27.94) |
| 6 | FPH12748-D06SXXX4XXXXXXM | .100(2.54) | .150(3.81) | 46 | FPH12748-D46SXXX4XXXXXXM | 1.100(27.94) | 1.150(29.21) |
| 8 | FPH12748-D08SXXX4XXXXXXM | .150(3.81) | .200(5.08) | 48 | FPH12748-D48SXXX4XXXXXXM | 1.150(29.21) | 1.200(30.48) |
| 10 | FPH12748-D10SXXX4XXXXXXM | .200(5.08) | .250(6.35) | 50 | FPH12748-D50SXXX4XXXXXXM | 1.200(30.48) | 1.250(31.75) |
| 12 | FPH12748-D12SXXX4XXXXXXM | .250(6.35) | .300(7.62) | 52 | FPH12748-D52SXXX4XXXXXXM | 1.250(31.75) | 1.300(33.02) |
| 14 | FPH12748-D14SXXX4XXXXXXM | .300(7.62) | .350(8.89) | 54 | FPH12748-D54SXXX4XXXXXXM | 1.300(33.02) | 1.350(34.29) |
| 16 | FPH12748-D16SXXX4XXXXXXM | .350(8.89) | .400(10.16) | 56 | FPH12748-D56SXXX4XXXXXXM | 1.350(34.29) | 1.400(35.56) |
| 18 | FPH12748-D18SXXX4XXXXXXM | .400(10.16) | .450(11.43) | 58 | FPH12748-D58SXXX4XXXXXXM | 1.400(35.56) | 1.450(36.83) |
| 20 | FPH12748-D20SXXX4XXXXXXM | .450(11.43) | .500(12.70) | 60 | FPH12748-D60SXXX4XXXXXXM | 1.450(36.83) | 1.500(38.10) |
| 22 | FPH12748-D22SXXX4XXXXXXM | .500(12.70) | .550(13.97) | 62 | FPH12748-D62SXXX4XXXXXXM | 1.500(38.10) | 1.550(39.37) |
| 24 | FPH12748-D24SXXX4XXXXXXM | .550(13.97) | .600(15.24) | 64 | FPH12748-D64SXXX4XXXXXXM | 1.550(39.37) | 1.600(40.64) |
| 26 | FPH12748-D26SXXX4XXXXXXM | .600(15.24) | .650(16.51) | 66 | FPH12748-D66SXXX4XXXXXXM | 1.600(40.64) | 1.650(41.91) |
| 28 | FPH12748-D28SXXX4XXXXXXM | .650(16.51) | .700(17.78) | 68 | FPH12748-D68SXXX4XXXXXXM | 1.650(41.91) | 1.700(43.18) |
| 30 | FPH12748-D30SXXX4XXXXXXM | .700(17.78) | .750(19.05) | 70 | FPH12748-D70SXXX4XXXXXXM | 1.700(43.18) | 1.750(44.45) |
| 32 | FPH12748-D32SXXX4XXXXXXM | .750(19.05) | .800(20.32) | 72 | FPH12748-D72SXXX4XXXXXXM | 1.750(44.45) | 1.800(45.72) |
| 34 | FPH12748-D34SXXX4XXXXXXM | .800(20.32) | .850(21.59) | 74 | FPH12748-D74SXXX4XXXXXXM | 1.800(45.72) | 1.850(46.99) |
| 36 | FPH12748-D36SXXX4XXXXXXM | .850(21.59) | .900(22.86) | 76 | FPH12748-D76SXXX4XXXXXXM | 1.850(46.99) | 1.900(48.26) |
| 38 | FPH12748-D38SXXX4XXXXXXM | .900(22.86) | .950(24.13) | 78 | FPH12748-D78SXXX4XXXXXXM | 1.900(48.26) | 1.950(49.53) |
| 40 | FPH12748-D40SXXX4XXXXXXM | .950(24.13) | 1.00(25.40) | 80 | FPH12748-D80SXXX4XXXXXXM | 1.950(49.53) | 2.000(50.80) |
| 42 | FPH12748-D42SXXX4XXXXXXM | 1.000(25.40) | 1.050(26.67) | 100 | FPH12748-D100SXXX4XXXXXXM | 2.450(62.23) | 2.500(63.50) |

| | | | | | | | | |
|--|---------------------------------------|----------------|---------------------|----------------------|--------------------------------------|--|--|---------|
|  THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 17/DEC/19 | PART NO. FPH12748-DXXSXXX4XXXXXXM | ITEM NO. FPH12748 |  Building Technology Cornerstone | |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) | X:±5' | CHECKED BY CHERRY | DATE 17/DEC/19 | TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT) | | |
| | | X.X±.008(0.20) | .X'±2' | DRAWN BY ZOEY | DATE 17/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 5:1 | SIZE A4 | | | X.XX±.006(0.15) | | .XX'±1' |