

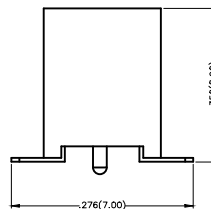
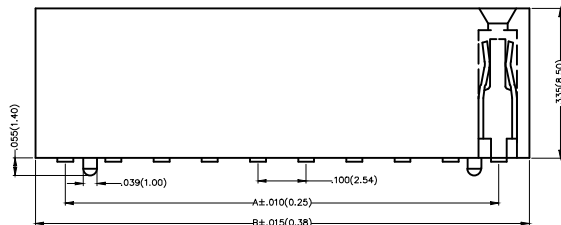
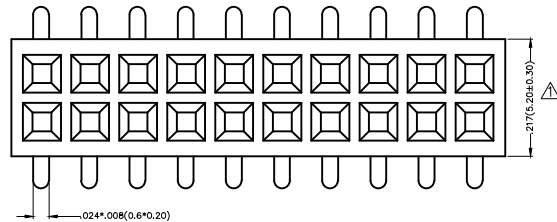
| REV | LOCATIONS | DESCRIPTION | DATE | REVISED | APPD |
|-----|-----------|-------------|------|---------|------|
|     |           |             |      |         |      |

#### Electrical

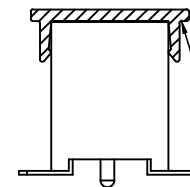
Current Rating: 3A AC(rms)/DC  
Voltage Rating: 250V AC(rms)/DC  
Contact Resistance: 20 m Ω Max  
Insulation Resistance: 1000 M Ω MIN  
Withstanding Voltage: 500V AC r.m.s  
Temperature Range-Operating: -40°C~+105°C

#### Material and Plating

Housing: PA6T( UL 94V-0)  
Contact Pin: Phosphor Bronze  
Plating: Gold Plated/Selective gold in contact area,  
matte(bright) tin on tail

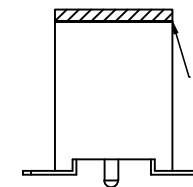


Packing: M-Reel(With Cap)



SMT Clamping Buckle

Packing: M1-Reel(With Mylar)

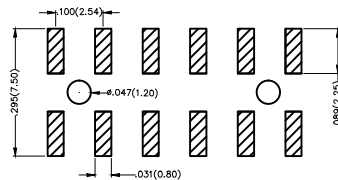


SMT Mylar

#### Ordering Information

FFH 254 09 — D XX S X XX 4 K6 XX  
1 2 3 4 5 6 7 8 9 10 11

|                                                                                                    |                                                                             |                            |                              |                                                         |                                  |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------|------------------------------|---------------------------------------------------------|----------------------------------|
| 1 Category<br>FFH-Female Header                                                                    | 2 Series Number<br>254-Pitch2.54mm                                          | 3 Distinction No.<br>09    | 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>matte(bright) tin<br>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>M-Reel(With Cap)<br>M1-Reel(With Mylar) |                                  |



Recommended P.C.Board Layout

|                                                                                                                   |            |                                          |            |                     |                   |                                                                                                                                                    |                      |                                                                                                             |  |
|-------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|---------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------|--|
| <br>THIRD ANGLE<br>PROJECTION |            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | APPROVE BY<br>FRANK | DATE<br>12/AUG/13 | PART NO.<br>FFH25409-XXXSXXXK6XX                                                                                                                   | ITEM NO.<br>FFH25409 | <br>Leader Of Industry |  |
| DESIGN UNITS<br>Inch (metric)                                                                                     |            | X.±.012(0.30)                            | X.±5"      | CHECKED BY          | DATE              | TITLE<br>Board to Board (Female Header)<br>Pitch 2.54mm 180° Vertical (SMT)                                                                        |                      |                                                                                                             |  |
|                                                                                                                   |            | X.X±.008(0.20)                           | .X'±2"     | CHERRY              | 12/AUG/13         | REV 0                                                                                                                                              |                      | SHEET NO. 1/1                                                                                               |  |
| SCALE<br>5:1                                                                                                      | SIZE<br>A4 | X.XX±.006(0.15)                          | .XX'±1"    | 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 |                      |                                                                                                             |  |
|                                                                                                                   |            | X.XXX±.004(0.10)                         | .XXX'±0.5" | JACOB               | 12/AUG/13         |                                                                                                                                                    |                      |                                                                                                             |  |

**TXGA**  
Leader Of Industry

REV 0 SHEET NO. 1/1

A

B

C

D

E

F

A

B

C

D

E

F

| 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             |
| 8               | FFH25409-D08SXXX4K6XX | .300(7.62)        | .420(10.66)  | 46              | FFH25409-D46SXXX4K6XX | 2.200(55.88)      | 2.320(58.92)  |
| 10              | FFH25409-D10SXXX4K6XX | .400(10.16)       | .520(13.20)  | 48              | FFH25409-D48SXXX4K6XX | 2.300(58.42)      | 2.420(61.46)  |
| 12              | FFH25409-D12SXXX4K6XX | .500(12.70)       | .620(15.74)  | 50              | FFH25409-D50SXXX4K6XX | 2.400(60.96)      | 2.520(64.00)  |
| 14              | FFH25409-D14SXXX4K6XX | .600(15.24)       | .720(18.28)  | 52              | FFH25409-D52SXXX4K6XX | 2.500(63.50)      | 2.620(66.54)  |
| 16              | FFH25409-D16SXXX4K6XX | .700(17.78)       | .820(20.82)  | 54              | FFH25409-D54SXXX4K6XX | 2.600(66.04)      | 2.720(69.08)  |
| 18              | FFH25409-D18SXXX4K6XX | .800(20.32)       | .920(23.36)  | 56              | FFH25409-D56SXXX4K6XX | 2.700(68.58)      | 2.820(71.62)  |
| 20              | FFH25409-D20SXXX4K6XX | .900(22.86)       | 1.020(25.90) | 58              | FFH25409-D58SXXX4K6XX | 2.800(71.12)      | 2.920(74.16)  |
| 22              | FFH25409-D22SXXX4K6XX | 1.000(25.40)      | 1.120(28.44) | 60              | FFH25409-D60SXXX4K6XX | 2.900(73.66)      | 3.020(76.70)  |
| 24              | FFH25409-D24SXXX4K6XX | 1.100(27.94)      | 1.220(30.98) | 62              | FFH25409-D62SXXX4K6XX | 3.000(76.20)      | 3.120(79.24)  |
| 26              | FFH25409-D26SXXX4K6XX | 1.200(30.48)      | 1.320(33.52) | 64              | FFH25409-D64SXXX4K6XX | 3.100(78.74)      | 3.220(81.78)  |
| 28              | FFH25409-D28SXXX4K6XX | 1.300(33.02)      | 1.420(36.06) | 66              | FFH25409-D66SXXX4K6XX | 3.200(81.28)      | 3.320(84.32)  |
| 30              | FFH25409-D30SXXX4K6XX | 1.400(35.56)      | 1.520(38.60) | 68              | FFH25409-D68SXXX4K6XX | 3.300(83.82)      | 3.420(86.86)  |
| 32              | FFH25409-D32SXXX4K6XX | 1.500(38.10)      | 1.620(41.14) | 70              | FFH25409-D70SXXX4K6XX | 3.400(86.36)      | 3.520(89.40)  |
| 34              | FFH25409-D34SXXX4K6XX | 1.600(40.64)      | 1.720(43.68) | 72              | FFH25409-D72SXXX4K6XX | 3.500(88.90)      | 3.620(91.94)  |
| 36              | FFH25409-D36SXXX4K6XX | 1.700(43.18)      | 1.820(46.22) | 74              | FFH25409-D74SXXX4K6XX | 3.600(91.44)      | 3.720(94.48)  |
| 38              | FFH25409-D38SXXX4K6XX | 1.800(45.72)      | 1.920(48.76) | 76              | FFH25409-D76SXXX4K6XX | 3.700(93.98)      | 3.820(97.02)  |
| 40              | FFH25409-D40SXXX4K6XX | 1.900(48.26)      | 2.020(51.30) | 78              | FFH25409-D78SXXX4K6XX | 3.800(96.52)      | 3.920(99.56)  |
| 42              | FFH25409-D42SXXX4K6XX | 2.000(50.80)      | 2.120(53.84) | 80              | FFH25409-D80SXXX4K6XX | 3.900(99.06)      | 4.020(102.10) |
| 44              | FFH25409-D44SXXX4K6XX | 2.100(53.34)      | 2.220(56.38) |                 |                       |                   |               |

|                                                                                                                   |  |                                          |            |                     |                   |                                                                    |                      |                                                                                                             |  |
|-------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|------------|---------------------|-------------------|--------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------|--|
| <br>THIRD ANGLE<br>PROJECTION |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | APPROVE BY<br>FRANK | DATE<br>12/AUG/13 | PART NO.<br>FFH25409-XXXXXXXK6XX                                   | ITEM NO.<br>FFH25409 | <br>Leader Of Industry |  |
|                                                                                                                   |  | X±.012(0.30)                             | X'±5°      | CHECKED BY          | DATE              | TITLE                                                              |                      |                                                                                                             |  |
| DESIGN UNITS<br>Inch (metric)                                                                                     |  | X.X±.008(0.20)                           | X'±2°      | CHERRY              | 12/AUG/13         | Board to Board (Female Header)<br>Pitch 2.54mm 180° Vertical (SMT) |                      |                                                                                                             |  |
|                                                                                                                   |  | X.XX±.006(0.15)                          | .XX'±1°    |                     |                   |                                                                    |                      |                                                                                                             |  |
|                                                                                                                   |  | SCALE<br>5:1                             | SIZE<br>A4 | X.XXX±.004(0.10)    | .XXX±0.5°         |                                                                    |                      |                                                                                                             |  |
|                                                                                                                   |  |                                          |            |                     |                   | REV 0                                                              | SHEET NO. 1/1        |                                                                                                             |  |