

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	1: Size 2.20 change to 2.40mm 2: Electrical Change	31/JUL/23	MATT	LEO

**SPECIFICATIONS**

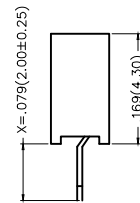
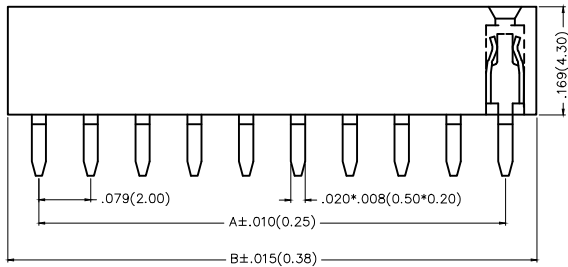
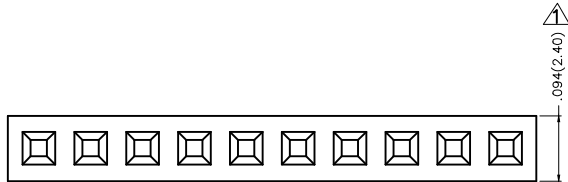
**Electrical**

Current Rating: 2A AC(rms)/DC  
 Voltage Rating: 250V AC(rms)/DC  
 Contact Resistance: 20 mΩ Max  
 Insulation Resistance: 1000 MΩ MIN

△ Withstanding Voltage: 500V AC r.m.s  
 Temperature Range—Operating: -40°C ~ +85°C

**Material and Plating**

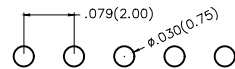
Housing: Glass Filled Polyester( UL 94V-0)  
 Pin: Brass  
 Plating: Gold Plated/ Selective gold on contact area,  
 tin on tail



**Ordering Information**

FFH 200 01 — S XX S X XX 4 K6 K — B  
 1 2 3 4 5 6 7 8 9 10 11 12

1 Category FFH—Female Header	2 Series Number 200—Pitch2.0mm	3 Distinction No. 01	4 Row Option S—Single Row	5 Circuits XX	6 Entry Angle S—180° Vertical
7 Plating 1—Gold Plated 3—Selective gold on contact area, tin on tail	8 Thickness of Plating 00—Gold Flash 05—5μ" Custom plate available	9 Material—Resin 4—PA6T	10 Color—Resin K6—Black	11 Packaging K—Tray	12 Type B—X=2.0mm





Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 22/AUG/13	PART NO. FFH20001-SXXSXX4K6K-B	ITEM NO. FFH20001	 Building Technology Cornerstone
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X'±5' .X'±2' .XX'±1' .XXX'±0.5'	CHECKED BY CHERRY	DATE 22/AUG/13	TITLE Board to Board (Female Header) Pitch 2.00mm 180° Vertical (DIP)	
SCALE 5:1	SIZE A4		DRAWN BY JACOB	DATE 22/AUG/13	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. 1/2

1 2 3 4 5 6 7 8

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	FFH20001-S02SXXX4K6K-B	.079(2.00)	.177(4.50)	22	FFH20001-S22SXXX4K6K-B	1.654(42.00)	1.752(44.50)
3	FFH20001-S03SXXX4K6K-B	.157(4.00)	.256(6.50)	23	FFH20001-S23SXXX4K6K-B	1.732(44.00)	1.831(46.50)
4	FFH20001-S04SXXX4K6K-B	.236(6.00)	.335(8.50)	24	FFH20001-S24SXXX4K6K-B	1.811(46.00)	1.909(48.50)
5	FFH20001-S05SXXX4K6K-B	.315(8.00)	.413(10.50)	25	FFH20001-S25SXXX4K6K-B	1.890(48.00)	1.988(50.50)
6	FFH20001-S06SXXX4K6K-B	.394(10.00)	.492(12.50)	26	FFH20001-S26SXXX4K6K-B	1.969(50.00)	2.067(52.50)
7	FFH20001-S07SXXX4K6K-B	.472(12.00)	.571(14.50)	27	FFH20001-S27SXXX4K6K-B	2.047(52.00)	2.146(54.50)
8	FFH20001-S08SXXX4K6K-B	.551(14.00)	.650(16.50)	28	FFH20001-S28SXXX4K6K-B	2.126(54.00)	2.224(56.50)
9	FFH20001-S09SXXX4K6K-B	.630(16.00)	.728(18.50)	29	FFH20001-S29SXXX4K6K-B	2.205(56.00)	2.303(58.50)
10	FFH20001-S10SXXX4K6K-B	.709(18.00)	.807(20.50)	30	FFH20001-S30SXXX4K6K-B	2.283(58.00)	2.382(60.50)
11	FFH20001-S11SXXX4K6K-B	.787(20.00)	.886(22.50)	31	FFH20001-S31SXXX4K6K-B	2.362(60.00)	2.460(62.50)
12	FFH20001-S12SXXX4K6K-B	.866(22.00)	.965(24.50)	32	FFH20001-S32SXXX4K6K-B	2.441(62.00)	2.539(64.50)
13	FFH20001-S13SXXX4K6K-B	.845(24.00)	1.043(26.50)	33	FFH20001-S33SXXX4K6K-B	2.520(64.00)	2.618(66.50)
14	FFH20001-S14SXXX4K6K-B	1.024(26.00)	1.122(28.50)	34	FFH20001-S34SXXX4K6K-B	2.598(66.00)	2.697(68.50)
15	FFH20001-S15SXXX4K6K-B	1.102(28.00)	1.201(30.50)	35	FFH20001-S35SXXX4K6K-B	2.677(68.00)	2.776(70.50)
16	FFH20001-S16SXXX4K6K-B	1.181(30.00)	1.280(32.50)	36	FFH20001-S36SXXX4K6K-B	2.756(70.00)	2.854(72.50)
17	FFH20001-S17SXXX4K6K-B	1.260(32.00)	1.358(34.50)	37	FFH20001-S37SXXX4K6K-B	2.835(72.00)	2.933(74.50)
18	FFH20001-S18SXXX4K6K-B	1.339(34.00)	1.437(36.50)	38	FFH20001-S38SXXX4K6K-B	2.913(74.00)	3.012(76.50)
19	FFH20001-S19SXXX4K6K-B	1.417(36.00)	1.516(38.50)	39	FFH20001-S39SXXX4K6K-B	2.992(76.00)	3.091(78.50)
20	FFH20001-S20SXXX4K6K-B	1.496(38.00)	1.594(40.50)	40	FFH20001-S40SXXX4K6K-B	3.071(78.00)	3.169(80.50)
21	FFH20001-S21SXXX4K6K-B	1.575(40.00)	1.673(42.50)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 22/AUG/13	PART NO. FFH20001-SXXX4K6K-B	ITEM NO. FFH20001	 Building Technology Cornerstone	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.±5'	CHECKED BY CHERRY	DATE 22/AUG/13	TITLE Board to Board (Female Header) Pitch 2.00mm 180° Vertical (DIP)	REV 1		SHEET NO. 2/2
	SCALE 5:1	X.XX±.006(0.15) .XX'±1"	DRAWN BY JACOB	DATE 22/AUG/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	SIZE A4	X.XXX±.004(0.10) .XXX'±0.5'						

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	▲	Electrical Change	31/JUL/23	MATT	LEO

**SPECIFICATIONS**

**Electrical**

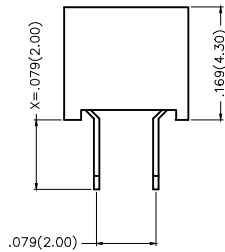
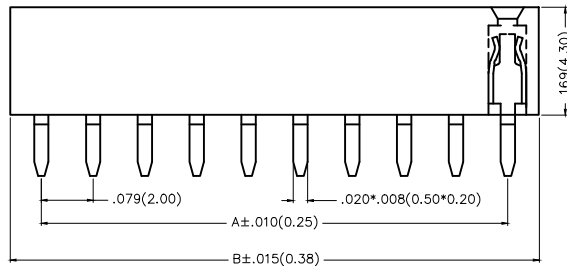
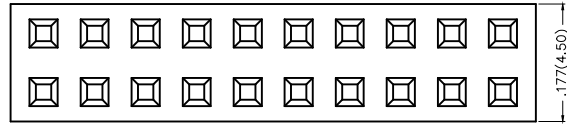
Current Rating: 2A AC(rms)/DC  
 Voltage Rating: 250V AC(rms)/DC  
 Contact Resistance: 20 mΩ Max  
 Insulation Resistance: 1000 MΩ MIN  
 Withstanding Voltage: 500V AC r.m.s  
 Temperature Range—Operating: -40°C ~ +85°C

**Material and Plating**

Housing: Glass Filled Polyester( UL 94V-0)  
 Pin: Brass  
 Plating: Gold Plated/ Selective gold on contact area, tin on tail

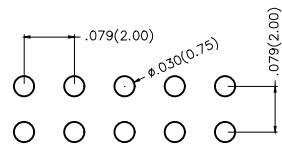
A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F



**Ordering Information**

FFH 200 01 — D XX S X XX 4 K6 K — B  
 1 2 3 4 5 6 7 8 9 10 11 12



Recommended P.C.Board Layout



1 Category FFH—Female Header	2 Series Number 200—Pitch2.0mm	3 Distinction No. 01	4 Row Option D—Double Row	5 Circuits XX	6 Entry Angle S—180° Vertical
7 Plating 1—Gold Plated 3—Selective gold on contact area, tin on tail	8 Thickness of Plating 00—Gold Flash 05—5μ" Custom plate available	9 Material—Resin 4—PA6T	10 Color—Resin K6—Black	11 Packaging K—Tray	12 Type B—X=2.0mm

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 22/AUG/13	PART NO. FFH20001-DXXSXX4K6K-B	ITEM NO. FFH20001	<p>Building Technology Cornerstone</p>
	X.±.012(0.30)	X'.±5'	CHECKED BY CHERRY	DATE 22/AUG/13	TITLE Board to Board (Female Header) Pitch 2.00mm 180° Vertical (DIP)		
DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X'±2'	DRAWN BY JACOB	DATE 22/AUG/13	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.XXX±.004(0.10)					

1 2 3 4 5 6 7 8

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	FFH20001-D04SXXX4K6K-B	.079(2.00)	.177(4.50)	44	FFH20001-D44SXXX4K6K-B	1.654(42.00)	1.752(44.50)
6	FFH20001-D06SXXX4K6K-B	.157(4.00)	.256(6.50)	46	FFH20001-D46SXXX4K6K-B	1.732(44.00)	1.831(46.50)
8	FFH20001-D08SXXX4K6K-B	.236(6.00)	.335(8.50)	48	FFH20001-D48SXXX4K6K-B	1.811(46.00)	1.909(48.50)
10	FFH20001-D10SXXX4K6K-B	.315(8.00)	.413(10.50)	50	FFH20001-D50SXXX4K6K-B	1.890(48.00)	1.988(50.50)
12	FFH20001-D12SXXX4K6K-B	.394(10.00)	.492(12.50)	52	FFH20001-D52SXXX4K6K-B	1.969(50.00)	2.067(52.50)
14	FFH20001-D14SXXX4K6K-B	.472(12.00)	.571(14.50)	54	FFH20001-D54SXXX4K6K-B	2.047(52.00)	2.146(54.50)
16	FFH20001-D16SXXX4K6K-B	.551(14.00)	.650(16.50)	56	FFH20001-D56SXXX4K6K-B	2.126(54.00)	2.224(56.50)
18	FFH20001-D18SXXX4K6K-B	.630(16.00)	.728(18.50)	58	FFH20001-D58SXXX4K6K-B	2.205(56.00)	2.303(58.50)
20	FFH20001-D20SXXX4K6K-B	.709(18.00)	.807(20.50)	60	FFH20001-D60SXXX4K6K-B	2.283(58.00)	2.382(60.50)
22	FFH20001-D22SXXX4K6K-B	.787(20.00)	.886(22.50)	62	FFH20001-D62SXXX4K6K-B	2.362(60.00)	2.460(62.50)
24	FFH20001-D24SXXX4K6K-B	.866(22.00)	.965(24.50)	64	FFH20001-D64SXXX4K6K-B	2.441(62.00)	2.539(64.50)
26	FFH20001-D26SXXX4K6K-B	.845(24.00)	1.043(26.50)	66	FFH20001-D66SXXX4K6K-B	2.520(64.00)	2.618(66.50)
28	FFH20001-D28SXXX4K6K-B	1.024(26.00)	1.122(28.50)	68	FFH20001-D68SXXX4K6K-B	2.598(66.00)	2.697(68.50)
30	FFH20001-D30SXXX4K6K-B	1.102(28.00)	1.201(30.50)	70	FFH20001-D70SXXX4K6K-B	2.677(68.00)	2.776(70.50)
32	FFH20001-D32SXXX4K6K-B	1.181(30.00)	1.280(32.50)	72	FFH20001-D72SXXX4K6K-B	2.756(70.00)	2.854(72.50)
34	FFH20001-D34SXXX4K6K-B	1.260(32.00)	1.358(34.50)	74	FFH20001-D74SXXX4K6K-B	2.835(72.00)	2.933(74.50)
36	FFH20001-D36SXXX4K6K-B	1.339(34.00)	1.437(36.50)	76	FFH20001-D76SXXX4K6K-B	2.913(74.00)	3.012(76.50)
38	FFH20001-D38SXXX4K6K-B	1.417(36.00)	1.516(38.50)	78	FFH20001-D78SXXX4K6K-B	2.992(76.00)	3.091(78.50)
40	FFH20001-D40SXXX4K6K-B	1.496(38.00)	1.594(40.50)	80	FFH20001-D80SXXX4K6K-B	3.071(78.00)	3.169(80.50)
42	FFH20001-D42SXXX4K6K-B	1.575(40.00)	1.673(42.50)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 22/AUG/13	PART NO. FFH20001-DXXSXXX4K6K-B	ITEM NO. FFH20001	 Building Technology Cornerstone REV 1    SHEET NO. 2/2
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X'.±5'	CHECKED BY CHERRY	DATE 22/AUG/13	TITLE Board to Board (Female Header) Pitch 2.00mm 180° Vertical (DIP)	
	SCALE 5:1	X.XX±.008(0.20)	.X'±2'	DRAWN BY JACOB	DATE 22/AUG/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	SIZE A4	X.XX±.006(0.15)	.XX'±1'				
	X.XXX±.004(0.10)	.XXX'±0.5'					