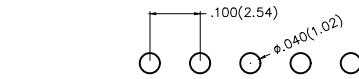
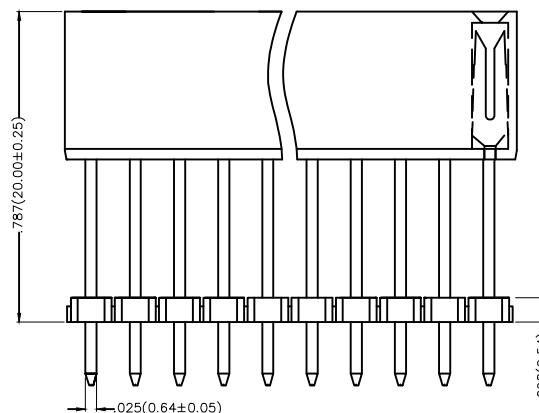
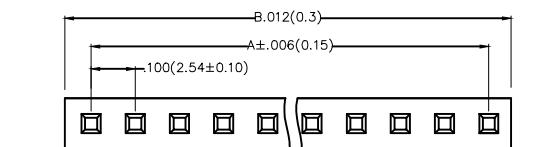
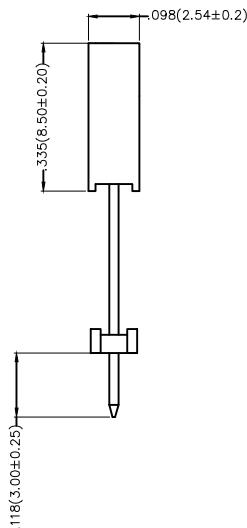


1	2	3	4	5	6	7	8
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD		



Recommended P.C.Board Layout



Electrical
 Current Rating: 3A 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 ~ +105°C
Material and Plating
 Housing: PBT/PA6T(UL 94V-0)
 Contact Pin: Brass
 Plating: Gold Plated/Selective gold on contact area,
 tin on tail

Ordering Information

FFH	254	41	—	S	XX	S	X	XX	X	K6	K
1	2	3	4	5	6	7	8	9	10	11	
Category	Series Number	Distinction No.	Row Option	Circuits	Entry Angle						
FFH—Female Header	254—Pitch 2.54mm	41	S—Single row	XX	S—180° Vertical						
Plating	Thickness of Plating	Material—Resin	Color—Resin	Packaging							
1—Gold Plated 3—Selective gold on contact area, tin on tail	.00—Gold Flash .05—5μ"	1—PBT 4—PA6T	K6—Black	K—Tray							
Custom plate available											



THIRD ANGLE
PROJECTION

DESIGN UNITS
Inch (metric)

SCALE
5:1

SIZE
A4

GENERAL TOLERANCES
(UNLESS SPECIFIED)

X.±.012(0.30)

X.±.008(0.20)

X.XX±.006(0.15)

X.XX±.004(0.10)

APPROVE BY
FRANK

CHECKED BY
CHERRY

DRAWN BY
KEVIN

DATE
20/AUG/13

DATE
20/AUG/13

DATE
20/AUG/13

DRAWN BY
KEVIN

DATE
20/AUG/13

PART NO.
FFH25441-SXXSXXXXK6K

ITEM NO.
FFH25441

TITLE
Board to Board (Female Header)

Pitch 2.54mm 180° Vertical (DIP)

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TXGA

Leader Of Industry

REV 0 SHEET NO. 1/2

1	2	3	4	5	6	7	8			
					REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

A

B

B

C

C

D

D

E

E

F

F

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
2	FFH25441-S02SXXXXK6K	.100(2.54)	.220(5.58)	22	FFH25441-S22SXXXXK6K	2.100(53.34)	2.220(56.38)
3	FFH25441-S03SXXXXK6K	.200(5.08)	.320(8.12)	23	FFH25441-S23SXXXXK6K	2.200(55.88)	2.320(58.92)
4	FFH25441-S04SXXXXK6K	.300(7.62)	.420(10.66)	24	FFH25441-S24SXXXXK6K	2.300(58.42)	2.420(61.46)
5	FFH25441-S05SXXXXK6K	.400(10.16)	.520(13.20)	25	FFH25441-S25SXXXXK6K	2.400(60.96)	2.520(64.00)
6	FFH25441-S06SXXXXK6K	.500(12.70)	.620(15.74)	26	FFH25441-S26SXXXXK6K	2.500(63.50)	2.620(66.54)
7	FFH25441-S07SXXXXK6K	.600(15.24)	.720(18.28)	27	FFH25441-S27SXXXXK6K	2.600(66.04)	2.720(69.08)
8	FFH25441-S08SXXXXK6K	.700(17.78)	.820(20.82)	28	FFH25441-S28SXXXXK6K	2.700(68.58)	2.820(71.62)
9	FFH25441-S09SXXXXK6K	.800(20.32)	.920(23.36)	29	FFH25441-S29SXXXXK6K	2.800(71.12)	2.920(74.16)
10	FFH25441-S10SXXXXK6K	.900(22.86)	1.020(25.90)	30	FFH25441-S30SXXXXK6K	2.900(73.66)	3.020(76.70)
11	FFH25441-S11SXXXXK6K	1.000(25.40)	1.120(28.44)	31	FFH25441-S31SXXXXK6K	3.000(76.20)	3.120(79.24)
12	FFH25441-S12SXXXXK6K	1.100(27.94)	1.220(30.98)	32	FFH25441-S32SXXXXK6K	3.100(78.74)	3.220(81.78)
13	FFH25441-S13SXXXXK6K	1.200(30.48)	1.320(33.52)	33	FFH25441-S33SXXXXK6K	3.200(81.28)	3.320(84.32)
14	FFH25441-S14SXXXXK6K	1.300(33.02)	1.420(36.06)	34	FFH25441-S34SXXXXK6K	3.300(83.82)	3.420(86.86)
15	FFH25441-S15SXXXXK6K	1.400(35.56)	1.520(38.60)	35	FFH25441-S35SXXXXK6K	3.400(86.36)	3.520(89.40)
16	FFH25441-S16SXXXXK6K	1.500(38.10)	1.620(41.14)	36	FFH25441-S36SXXXXK6K	3.500(88.90)	3.620(91.94)
17	FFH25441-S17SXXXXK6K	1.600(40.64)	1.720(43.68)	37	FFH25441-S37SXXXXK6K	3.600(91.44)	3.720(94.48)
18	FFH25441-S18SXXXXK6K	1.700(43.18)	1.820(46.22)	38	FFH25441-S38SXXXXK6K	3.700(93.98)	3.820(97.02)
19	FFH25441-S19SXXXXK6K	1.800(45.72)	1.920(48.76)	39	FFH25441-S39SXXXXK6K	3.800(96.52)	3.920(99.56)
20	FFH25441-S20SXXXXK6K	1.900(48.26)	2.020(51.30)	40	FFH25441-S40SXXXXK6K	3.900(99.06)	4.020(102.10)
21	FFH25441-S21SXXXXK6K	2.000(50.80)	2.120(53.84)				

GENERAL TOLERANCES
(UNLESS SPECIFIED)X. \pm 0.012(0.30) X. \pm 5°X.X \pm 0.008(0.20) X. \pm 2°X.XX \pm 0.006(0.15) X.X \pm 1°X.XXX \pm 0.004(0.10) X.XXX \pm 0.5°APPROVE BY
FRANKDATE
20/AUG/13CHECKED BY
CHERRYDATE
20/AUG/13DRAWN BY
KEVINPART NO.
FFH25441-SXXSXXXXK6KITEM NO.
FFH25441TITLE
Board to Board (Female Header)

Pitch 2.54mm 180° Vertical (DIP)

DATE
20/AUG/13TXGA
Leader Of Industry

REV 0 SHEET NO. 2/2

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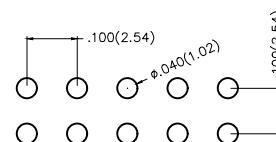
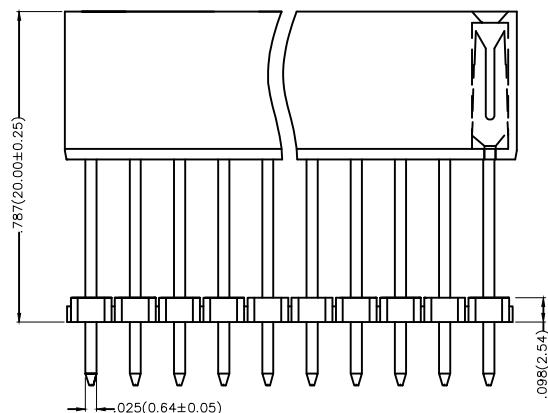
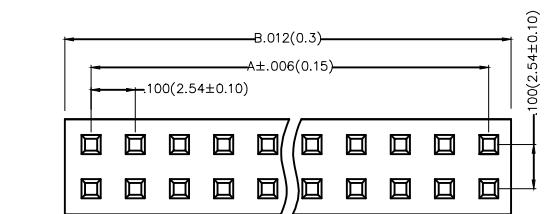
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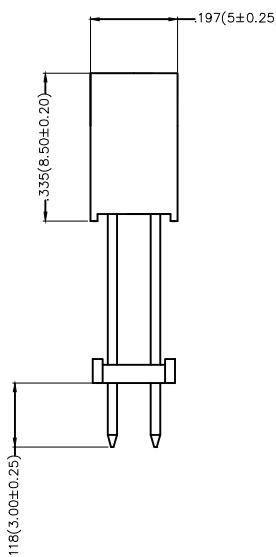
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1	2	3	4	5	6	7	8
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD		



Recommended P.C. Board Layout



Electrical

Current Rating: 3A 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 ~ +105°C

Material and Plating

Housing: PBT/PA6T(UL 94V-0)
Contact Pin: Brass
Plating: Gold Plated/Selective gold on contact area,
tin on tail

Ordering Information

FFH	254	41	—	D	XX	S	X	XX	X	K6	K
1	2	3		4	5	6	7	8	9	10	11

1 Category FFH—Female Header	2 Series Number 254—Pitch 2.54mm	3 Distinction No. 41	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"	9 Material—Resin 1—PBT 4—PA6T	10 Color—Resin K6—Black	11 Packaging K—Tray	
Custom plate available					

GENERAL TOLERANCES (UNLESS SPECIFIED)	APPROVE BY		DATE 20/AUG/13	PART NO. FFH25441-DXXSXXXXK6K	ITEM NO. FFH25441
	FRANK	DATE			
X.±.012(.30)	X.±.05"	CHECKED BY CHERRY	DATE 20/AUG/13	TITLE Board to Board (Female Header) Pitch 2.54mm 180° Vertical (DIP)	
X.X.±.008(.20)	X.±.2"				
X.XX.±.006(.15)	X.X.±.1"	DRAWN BY KEVIN	DATE 20/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	
X.XXX.±.004(.10)	X.XXX.±.05"				

TXGA
Leader Of Industry

REV 0 SHEET NO. 1/2

1	2	3	4	5	6	7	8
				REV	LOCATIONS	DESCRIPTION	DATE
						REVISER	APPD

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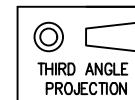
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Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
4	FFH25441-D04SXXXXK6K	.100(2.54)	.220(5.58)	44	FFH25441-D44SXXXXK6K	2.100(53.34)	2.220(56.38)
6	FFH25441-D06SXXXXK6K	.200(5.08)	.320(8.12)	46	FFH25441-D46SXXXXK6K	2.200(55.88)	2.320(58.92)
8	FFH25441-D08SXXXXK6K	.300(7.62)	.420(10.66)	48	FFH25441-D48SXXXXK6K	2.300(58.42)	2.420(61.46)
10	FFH25441-D10SXXXXK6K	.400(10.16)	.520(13.20)	50	FFH25441-D50SXXXXK6K	2.400(60.96)	2.520(64.00)
12	FFH25441-D12SXXXXK6K	.500(12.70)	.620(15.74)	52	FFH25441-D52SXXXXK6K	2.500(63.50)	2.620(66.54)
14	FFH25441-D14SXXXXK6K	.600(15.24)	.720(18.28)	54	FFH25441-D54SXXXXK6K	2.600(66.04)	2.720(69.08)
16	FFH25441-D16SXXXXK6K	.700(17.78)	.820(20.82)	56	FFH25441-D56SXXXXK6K	2.700(68.58)	2.820(71.62)
18	FFH25441-D18SXXXXK6K	.800(20.32)	.920(23.36)	58	FFH25441-D58SXXXXK6K	2.800(71.12)	2.920(74.16)
20	FFH25441-D20SXXXXK6K	.900(22.86)	1.020(25.90)	60	FFH25441-D60SXXXXK6K	2.900(73.66)	3.020(76.70)
22	FFH25441-D22SXXXXK6K	1.000(25.40)	1.120(28.44)	62	FFH25441-D62SXXXXK6K	3.000(76.20)	3.120(79.24)
24	FFH25441-D24SXXXXK6K	1.100(27.94)	1.220(30.98)	64	FFH25441-D64SXXXXK6K	3.100(78.74)	3.220(81.78)
26	FFH25441-D26SXXXXK6K	1.200(30.48)	1.320(33.52)	66	FFH25441-D66SXXXXK6K	3.200(81.28)	3.320(84.32)
28	FFH25441-D28SXXXXK6K	1.300(33.02)	1.420(36.06)	68	FFH25441-D68SXXXXK6K	3.300(83.82)	3.420(86.86)
30	FFH25441-D30SXXXXK6K	1.400(35.56)	1.520(38.60)	70	FFH25441-D70SXXXXK6K	3.400(86.36)	3.520(89.40)
32	FFH25441-D32SXXXXK6K	1.500(38.10)	1.620(41.14)	72	FFH25441-D72SXXXXK6K	3.500(88.90)	3.620(91.94)
34	FFH25441-D34SXXXXK6K	1.600(40.64)	1.720(43.68)	74	FFH25441-D74SXXXXK6K	3.600(91.44)	3.720(94.48)
36	FFH25441-D36SXXXXK6K	1.700(43.18)	1.820(46.22)	76	FFH25441-D76SXXXXK6K	3.700(93.98)	3.820(97.02)
38	FFH25441-D38SXXXXK6K	1.800(45.72)	1.920(48.76)	78	FFH25441-D78SXXXXK6K	3.800(96.52)	3.920(99.56)
40	FFH25441-D40SXXXXK6K	1.900(48.26)	2.020(51.30)	80	FFH25441-D80SXXXXK6K	3.900(99.06)	4.020(102.10)
42	FFH25441-D42SXXXXK6K	2.000(50.80)	2.120(53.84)				

GENERAL TOLERANCES
(UNLESS SPECIFIED)X. \pm 0.012(0.30) X. \pm 5°X.X \pm 0.008(0.20) X. \pm 2°X.XX \pm 0.006(0.15) X.X \pm 1°X.XXX \pm 0.004(0.10) X.XXX \pm 0.5°APPROVE BY
FRANKDATE
20/AUG/13CHECKED BY
CHERRYDATE
20/AUG/13DRAWN BY
KEVINPART NO.
FFH25441-DXXSXXXXK6KITEM NO.
FFH25441TITLE
Board to Board (Female Header)

Pitch 2.54mm 180° Vertical (DIP)

DATE
20/AUG/13TXGA
Leader Of Industry

REV 0 SHEET NO. 2/2

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