

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

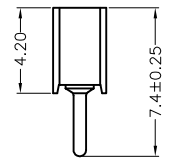
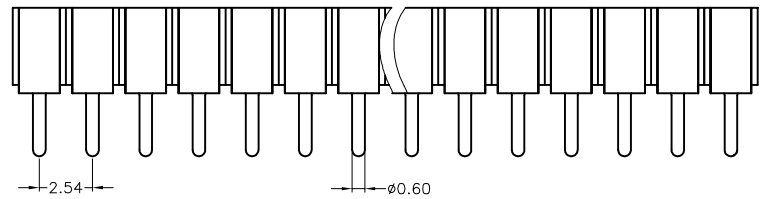
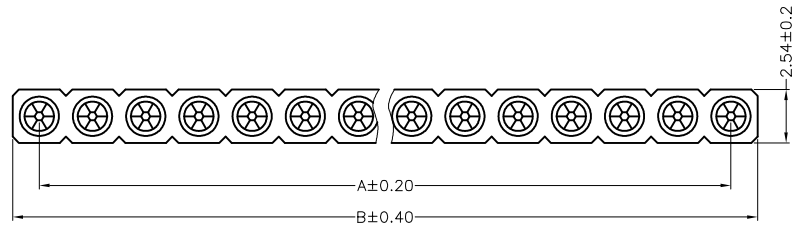
B

C

D

E

F



SPECIFICATIONS

Electrical

Current Rating: 3A AC(rms)/DC
 Voltage Rating: 60V AC(rms)/DC
 Contact Resistance: 10 mΩ Max
 Insulation Resistance: 1000 MΩ Min
 Withstanding Voltage: 1000V AC r.m.s
 Temperature Range-Operating: -40°C~+105°C

Mechanical

Insertion Force: 3N (Per Contact)
 Withdrawal Force: 1.5N (Per Contact)
 Durability: 500 cycles Min.
 Mating Pin: Ø0.7mm-Ø0.9mm

Material

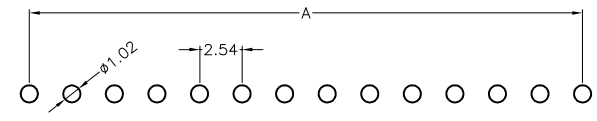
Housing: PPS (UL 94V-0), Color: Black
 Machined pin (Outer sleeve): Brass
 Clip (Contact 6 finger): Beryllium copper

Plating

Machined pin (Outer sleeve): Gold plated/ Tin plated/
 Selective gold in contact area, tin on tai
 Clip (Contact 6 finger): Gold plated/ Tin plated/
 Selective gold in contact area, tin on tai

Ordering Information

FSI 254 08 - F S XX S X XX 8 X
 1 2 3 4 5 6 7 8 9 10 11



Recommended P.C.Board Layout
 Tolerances: ±.002(0.05)



1	Category FSI-SIP Socket	2	Series Number 254-Pitch2.54mm	3	Distinction No. 08	4	Type F-Female	5	Row Option S-Single Row	6	Circuits XX
7	Entry Angle S-180° Vertical	8	Plating 1-Gold plated 2-Tin plated 3-Selective gold in contact area, tin on tai	9	Thickness of Plating 00-Gold Flash 01-1µ" Custom plate available	10	Material-Resin 8-PPS	11	Packaging B-PE Bag K-Tray M-Tape Reel L-Tube		

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 27/DEC/21	PART NO. FSI25408-FSXXSXX8X	ITEM NO. FSI25408	<p>Leader Of Industry</p>
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 27/DEC/21	TITLE Board to Board(SIP Socket) Pitch 2.54mm 180° Vertical	REV 0	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY MATT	DATE 27/DEC/21	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)					
		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
2	FSI25408-FS02SXXX8X	.100(2.54)	.200(5.08)	22	FSI25408-FS22SXXX8X	2.100(53.34)	2.200(55.88)
3	FSI25408-FS03SXXX8X	.200(5.08)	.300(7.62)	23	FSI25408-FS23SXXX8X	2.200(55.88)	2.300(58.42)
4	FSI25408-FS04SXXX8X	.300(7.62)	.400(10.16)	24	FSI25408-FS24SXXX8X	2.300(58.42)	2.400(60.96)
5	FSI25408-FS05SXXX8X	.400(10.16)	.500(12.70)	25	FSI25408-FS25SXXX8X	2.400(60.96)	2.500(63.50)
6	FSI25408-FS06SXXX8X	.500(12.70)	.600(15.24)	26	FSI25408-FS26SXXX8X	2.500(63.50)	2.600(66.04)
7	FSI25408-FS07SXXX8X	.600(15.24)	.700(17.78)	27	FSI25408-FS27SXXX8X	2.600(66.04)	2.700(68.58)
8	FSI25408-FS08SXXX8X	.700(17.78)	.800(20.32)	28	FSI25408-FS28SXXX8X	2.700(68.58)	2.800(71.12)
9	FSI25408-FS09SXXX8X	.800(20.32)	.900(22.86)	29	FSI25408-FS29SXXX8X	2.800(71.12)	2.900(73.66)
10	FSI25408-FS10SXXX8X	.900(22.86)	1.000(25.40)	30	FSI25408-FS30SXXX8X	2.900(73.66)	3.000(76.20)
11	FSI25408-FS11SXXX8X	1.000(25.40)	1.100(27.94)	31	FSI25408-FS31SXXX8X	3.000(76.20)	3.100(78.74)
12	FSI25408-FS12SXXX8X	1.100(27.94)	1.200(30.48)	32	FSI25408-FS32SXXX8X	3.100(78.74)	3.200(81.28)
13	FSI25408-FS13SXXX8X	1.200(30.48)	1.300(33.02)	33	FSI25408-FS33SXXX8X	3.200(81.28)	3.300(83.82)
14	FSI25408-FS14SXXX8X	1.300(33.02)	1.400(35.56)	34	FSI25408-FS34SXXX8X	3.300(83.82)	3.400(86.36)
15	FSI25408-FS15SXXX8X	1.400(35.56)	1.500(38.10)	35	FSI25408-FS35SXXX8X	3.400(86.36)	3.500(88.90)
16	FSI25408-FS16SXXX8X	1.500(38.10)	1.600(40.64)	36	FSI25408-FS36SXXX8X	3.500(88.90)	3.600(91.44)
17	FSI25408-FS17SXXX8X	1.600(40.64)	1.700(43.18)	37	FSI25408-FS37SXXX8X	3.600(91.44)	3.700(93.98)
18	FSI25408-FS18SXXX8X	1.700(43.18)	1.800(45.72)	38	FSI25408-FS38SXXX8X	3.700(93.98)	3.800(96.52)
19	FSI25408-FS19SXXX8X	1.800(45.72)	1.900(48.26)	39	FSI25408-FS39SXXX8X	3.800(96.52)	3.900(99.06)
20	FSI25408-FS20SXXX8X	1.900(48.26)	2.000(50.80)	40	FSI25408-FS40SXXX8X	3.900(99.06)	4.000(101.60)
21	FSI25408-FS21SXXX8X	2.000(50.80)	2.100(53.34)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 27/DEC/21	PART NO. FSI25408-FSXXSXXX8X	ITEM NO. FSI25408	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X.±5" .X±2"	CHECKED BY CHERRY	DATE 27/DEC/21	TITLE Board to Board(SIP Socket) Pitch 2.54mm 180° Vertical		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	.XX±1" .XXX±0.5"	DRAWN BY MATT	DATE 27/DEC/21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SPECIFICATIONS

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 60V AC(rms)/DC
Contact Resistance: 10 mΩ Max
Insulation Resistance: 1000 MΩ Min
Withstanding Voltage: 1000V AC r.m.s
Temperature Range-Operating: -40°C~+105°C

Mechanical

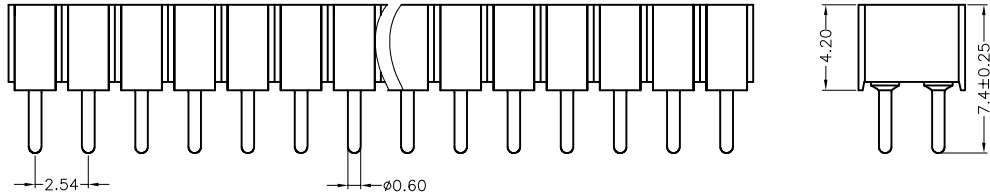
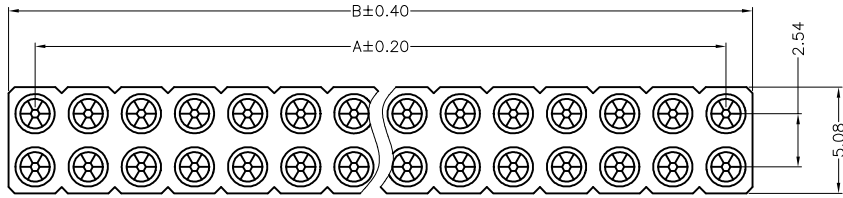
Insertion Force: 3N (Per Contact)
Withdrawal Force: 1.5N (Per Contact)
Durability: 500 cycles Min.
Mating Pin: $\phi 0.7\text{mm}-\phi 0.9\text{mm}$

Material

Housing: PPS (UL 94V-0), Color: Black
Machined pin (Outer sleeve): Brass
Clip (Contact 6 finger): Beryllium copper

Plating

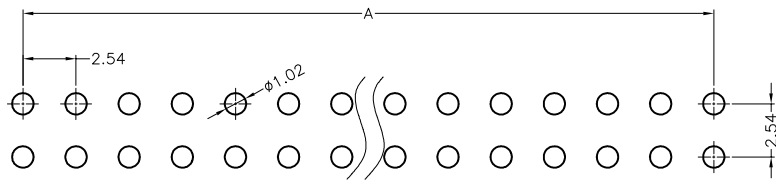
Machined pin (Outer sleeve): Gold plated/ Tin plated/
Selective gold in contact area, tin on tai
Clip (Contact 6 finger): Gold plated/ Tin plated/
Selective gold in contact area, tin on tai



Ordering Information

FSI 254 08 - F D XX S X XX 8 X
1 2 3 4 5 6 7 8 9 10 11

1	Category FSI-SIP Socket	2	Series Number 254-Pitch 2.54mm	3	Distinction No. 08	4	Type F-Female	5	Row Option D-Double Row	6	Circuits XX
7	Entry Angle S-180° Vertical	8	Plating 1-Gold plated 2-Tin plated 3-Selective gold in contact area, tin on tai	9	Thickness of Plating 00-Gold Flash 01-1μ" Custom plate available	10	Material-Resin 8-PPS	11	Packaging B-PE Bag K-Tray M-Tape Reel L-Tube		



Recommended P.C. Board Layout
Tolerances: $\pm 0.002(0.05)$

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 27/DEC/21	PART NO. FSI25408-FDXXSXXX8X	ITEM NO. FSI25408	 Leader Of Industry
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 27/DEC/21	TITLE Board to Board(SIP Socket) Pitch 2.54mm 180° Vertical		
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY MATT	DATE 27/DEC/21	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)					
		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	FSI25408-FD04SXXX8X	.100(2.54)	.200(5.08)	44	FSI25408-FD44SXXX8X	2.100(53.34)	2.200(55.88)
6	FSI25408-FD06SXXX8X	.200(5.08)	.300(7.62)	46	FSI25408-FD46SXXX8X	2.200(55.88)	2.300(58.42)
8	FSI25408-FD08SXXX8X	.300(7.62)	.400(10.16)	48	FSI25408-FD48SXXX8X	2.300(58.42)	2.400(60.96)
10	FSI25408-FD10SXXX8X	.400(10.16)	.500(12.70)	50	FSI25408-FD50SXXX8X	2.400(60.96)	2.500(63.50)
12	FSI25408-FD12SXXX8X	.500(12.70)	.600(15.24)	52	FSI25408-FD52SXXX8X	2.500(63.50)	2.600(66.04)
14	FSI25408-FD14SXXX8X	.600(15.24)	.700(17.78)	54	FSI25408-FD54SXXX8X	2.600(66.04)	2.700(68.58)
16	FSI25408-FD16SXXX8X	.700(17.78)	.800(20.32)	56	FSI25408-FD56SXXX8X	2.700(68.58)	2.800(71.12)
18	FSI25408-FD18SXXX8X	.800(20.32)	.900(22.86)	58	FSI25408-FD58SXXX8X	2.800(71.12)	2.900(73.66)
20	FSI25408-FD20SXXX8X	.900(22.86)	1.000(25.40)	60	FSI25408-FD60SXXX8X	2.900(73.66)	3.000(76.20)
22	FSI25408-FD22SXXX8X	1.000(25.40)	1.100(27.94)	62	FSI25408-FD62SXXX8X	3.000(76.20)	3.100(78.74)
24	FSI25408-FD24SXXX8X	1.100(27.94)	1.200(30.48)	64	FSI25408-FD64SXXX8X	3.100(78.74)	3.200(81.28)
26	FSI25408-FD26SXXX8X	1.200(30.48)	1.300(33.02)	66	FSI25408-FD66SXXX8X	3.200(81.28)	3.300(83.82)
28	FSI25408-FD28SXXX8X	1.300(33.02)	1.400(35.56)	68	FSI25408-FD68SXXX8X	3.300(83.82)	3.400(86.36)
30	FSI25408-FD30SXXX8X	1.400(35.56)	1.500(38.10)	70	FSI25408-FD70SXXX8X	3.400(86.36)	3.500(88.90)
32	FSI25408-FD32SXXX8X	1.500(38.10)	1.600(40.64)	72	FSI25408-FD72SXXX8X	3.500(88.90)	3.600(91.44)
34	FSI25408-FD34SXXX8X	1.600(40.64)	1.700(43.18)	74	FSI25408-FD74SXXX8X	3.600(91.44)	3.700(93.98)
36	FSI25408-FD36SXXX8X	1.700(43.18)	1.800(45.72)	76	FSI25408-FD76SXXX8X	3.700(93.98)	3.800(96.52)
38	FSI25408-FD38SXXX8X	1.800(45.72)	1.900(48.26)	78	FSI25408-FD78SXXX8X	3.800(96.52)	3.900(99.06)
40	FSI25408-FD40SXXX8X	1.900(48.26)	2.000(50.80)	80	FSI25408-FD80SXXX8X	3.900(99.06)	4.000(101.60)
42	FSI25408-FD42SXXX8X	2.000(50.80)	2.100(53.34)				

A

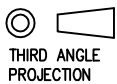

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 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 27/DEC/21	PART NO. FSI25408-FDXXSXXX8X	ITEM NO. FSI25408	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 27/DEC/21	TITLE Board to Board(SIP Socket) Pitch 2.54mm 180° Vertical			REV 0
	X.X±.008(0.20)	.X'±2"	DRAWN BY MATT	DATE 27/DEC/21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 2/2
	X.XX±.006(0.15)	.XX'±1"						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'					

1 2 3 4 5 6 7 8