

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Update tolerance	30/SEP/25	MATT	LEO

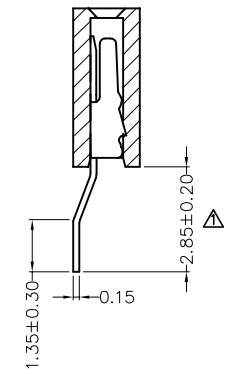
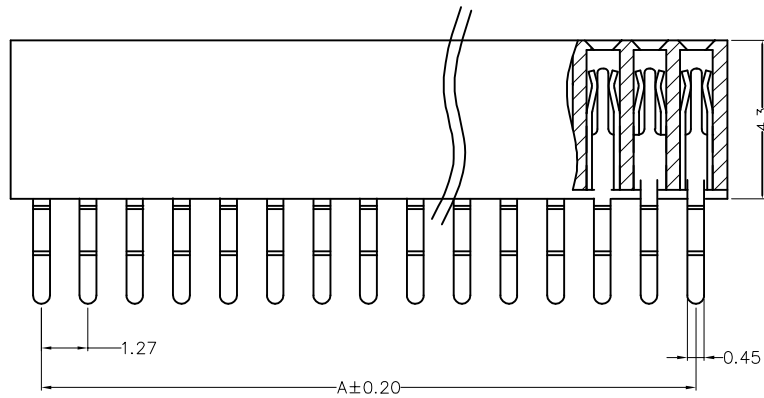
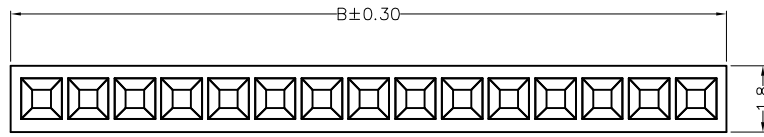
SPECIFICATIONS

Electrical

Current Rating: 1A 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

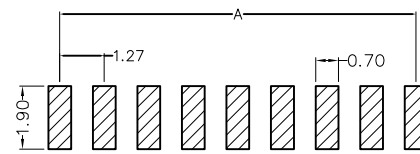
Housing: Glass Filled Polyester (UL 94V-0)  
 Pin: Phosphor Bronze/ Gold Plated



Ordering Information

FFH 127 31 — S XX B 1 XX 4 BK XX  
 1 2 3 4 5 6 7 8 9 10 11

1   Category FFH—Female Header	2   Series Number 127—Pitch1.27mm	3   Distinction No. 31	4   Row Option S—Single row	5   Circuits XX	6   Entry Angle B—90° Angle
7   Plating 1—Gold Plated	8   Thickness of Plating 00—Gold Flash 01—1μ" 15—15μ" Custom plate available	9   Material—Resin 4—PA6T	10   Color—Resin BK—Black	11   Packaging M—Reel	





Recommended P.C.Board Layout

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 19/AUG/22	PART NO. FFH12731—SXXB1XX4BKXX	ITEM NO. FFH12731	<p>Building Technology Cornerstone</p>
	X.±0.30	X.±5'	CHECKED BY CHERRY	DATE 19/AUG/22	TITLE Board to Board(Female Header) Pitch 1.27mm 90° Angle(SMT)	REV 1	
DESIGN UNITS Metric(mm)	X.X±0.20	.X'±2'	DRAWN BY MATT	DATE 19/AUG/22	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±0.10					

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(mm)		Circuits (n)	Part No.	Dimensions(mm)	
		A	B			A	B
2	FFH12731-S02B1XX4BKXX	1.27	2.94	27	FFH12731-S27B1XX4BKXX	33.02	34.69
3	FFH12731-S03B1XX4BKXX	2.54	4.21	28	FFH12731-S28B1XX4BKXX	34.29	35.96
4	FFH12731-S04B1XX4BKXX	3.81	5.48	29	FFH12731-S29B1XX4BKXX	35.56	37.23
5	FFH12731-S05B1XX4BKXX	5.08	6.75	30	FFH12731-S30B1XX4BKXX	36.83	38.50
6	FFH12731-S06B1XX4BKXX	6.35	8.02	31	FFH12731-S31B1XX4BKXX	38.10	39.77
7	FFH12731-S07B1XX4BKXX	7.62	9.29	32	FFH12731-S32B1XX4BKXX	39.37	41.04
8	FFH12731-S08B1XX4BKXX	8.89	10.56	33	FFH12731-S33B1XX4BKXX	40.64	42.31
9	FFH12731-S09B1XX4BKXX	10.16	11.83	34	FFH12731-S34B1XX4BKXX	41.91	43.58
10	FFH12731-S10B1XX4BKXX	11.43	13.10	35	FFH12731-S35B1XX4BKXX	43.18	44.85
11	FFH12731-S11B1XX4BKXX	12.70	14.37	36	FFH12731-S36B1XX4BKXX	44.45	46.12
12	FFH12731-S12B1XX4BKXX	13.97	15.64	37	FFH12731-S37B1XX4BKXX	45.72	47.39
13	FFH12731-S13B1XX4BKXX	15.24	16.91	38	FFH12731-S38B1XX4BKXX	46.99	48.66
14	FFH12731-S14B1XX4BKXX	16.51	18.18	39	FFH12731-S39B1XX4BKXX	48.26	49.93
15	FFH12731-S15B1XX4BKXX	17.78	19.45	40	FFH12731-S40B1XX4BKXX	49.53	51.20
16	FFH12731-S16B1XX4BKXX	19.05	20.72	41	FFH12731-S41B1XX4BKXX	50.80	52.47
17	FFH12731-S17B1XX4BKXX	20.32	21.99	42	FFH12731-S42B1XX4BKXX	52.07	53.74
18	FFH12731-S18B1XX4BKXX	21.59	23.26	43	FFH12731-S43B1XX4BKXX	53.34	55.01
19	FFH12731-S19B1XX4BKXX	22.86	24.53	44	FFH12731-S44B1XX4BKXX	54.61	56.28
20	FFH12731-S20B1XX4BKXX	24.13	25.80	45	FFH12731-S45B1XX4BKXX	55.88	57.55
21	FFH12731-S21B1XX4BKXX	25.40	27.07	46	FFH12731-S46B1XX4BKXX	57.15	58.82
22	FFH12731-S22B1XX4BKXX	26.67	28.34	47	FFH12731-S47B1XX4BKXX	58.42	60.09
23	FFH12731-S23B1XX4BKXX	27.94	29.61	48	FFH12731-S48B1XX4BKXX	59.69	61.36
24	FFH12731-S24B1XX4BKXX	29.21	30.88	49	FFH12731-S49B1XX4BKXX	60.96	62.63
25	FFH12731-S25B1XX4BKXX	30.48	32.15	50	FFH12731-S50B1XX4BKXX	62.23	63.90
26	FFH12731-S26B1XX4BKXX	31.75	33.42				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 19/AUG/22	PART NO. FFH12731-SXXB1XX4BKXX	ITEM NO. FFH12731	 Building Technology Cornerstone	
	X.±0.30	X'±5'	CHECKED BY CHERRY	DATE 19/AUG/22	TITLE Board to Board(Female Header) Pitch 1.27mm 90° Angle(SMT)	REV 1		SHEET NO. 2/2
	DESIGN UNITS Metric(mm)	X.X±0.20	.X'±2'	DRAWN BY MATT	DATE 19/AUG/22	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±0.15	.XX'±1'				