

# HSF

**NOTES:**

- Rated Current:1.0AMP.(20°C,2\*2P-2\*15P)  
0.75AMP.(20°C,2\*16P-2\*50P)  $\triangle\triangle$
- Contact Resistance:30mΩ Max.
- Withstand Voltage:500V AC/DC
- Insulation Resistance:1000MΩ Min.
- Operation Temperature:-40°C to +125°C(Gold Plating)  $\triangle\triangle$   
-40°C to +105°C(Tin Plating)  $\triangle\triangle$
- Contact Material:Copper Alloy
- Contact Plating:Au or Sn Over 30u" Min Ni
- Insulator Material:LCP+G.F UL94V-0 BK(std)  $\triangle\triangle$

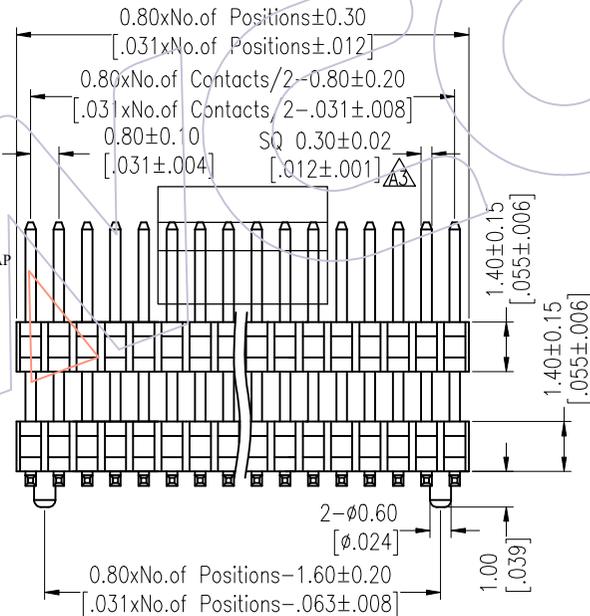
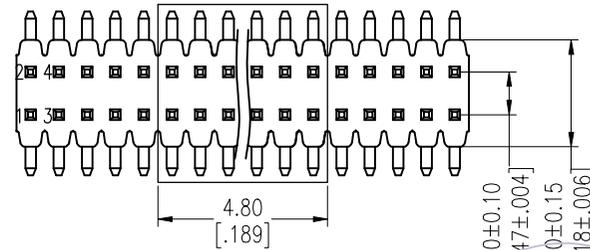
## Ordering Information

1614-2 2 XX XX M XXX X X XX  $\triangle\triangle$

- Plastic Layer
- Plastic Row
- No.of Pins
- Per Row:02-50
- Contact Plating
- G0=Gold Flash
- G3=10u"Au, BG3=8u"PdNi+2u"Au
- G4=15u"Au, BG4=13u"PdNi+2u"Au
- G5=30u"Au, BG5=28u"PdNi+2u"Au
- SN=Bright Tin
- SM=Matte Tin

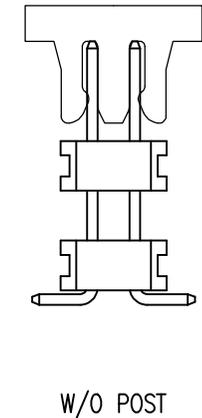
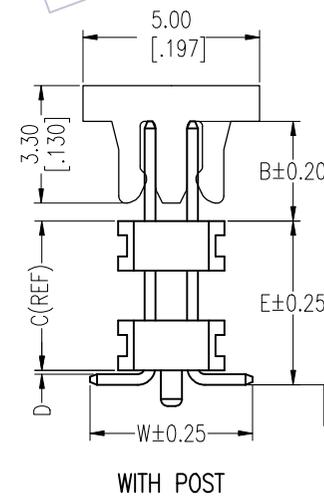
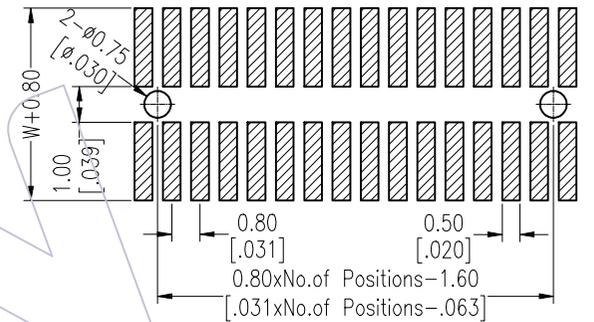
- Series No. 01-99
- Packing
- T=Tube
- P=Tube+CAP
- R=Tape&Reel+CAP
- Insulator Material
- D=LCP(Standard)
- Pin Length
- L(See Table)
- Type:
- M=SMT

Item	Pin Length	W	D	B	C	E	Mating
Standard	8.0	4.6	0.1	2.8	3.35	3.75	2631
	9.2				4.6	5.0	
	10.7				6.2	6.6	
	12.0				7.45	7.85	
	15.8				11.2	11.6	
18.0	13.5	13.9					
Alternate							



## Recommended P.C.B Layout (Top Side)

(PCB BOARD TOLERANCE±0.05)  
(PCB Thickness: T=1.60m)



$\triangle\triangle$ $\triangle\triangle$ PIN(PerRow)	2-15P	16-30P	31-50P
M	0.10	0.15	0.18

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A4	2025/10/09	Standardization Drawing	CP	OPERATION	DRAW	2025/10/09	UNIT	mm [inch]	1614-22XXXXMXXXXXX $\triangle\triangle$
A3	2024/06/20	MODIFY	BAO	x.X ±0.40	CP	2025/10/09	SIZE	A4	TITLE:
A2	2023/01/31	Add Flatness	Du Ying	x.XX ±0.25	CHECK	2025/10/09	SHEET	1/6	0.80*1.20 Pin Header,DUAL ROW, DOUBLE PLASTIC, SMT, H=1.4
A0	2012/02/28	NEW		x.XXX ±0.15	TANG	2025/10/09	PROJ.		Customer NO.
				Angle ± 3'	APPROVE	2025/10/09			
				DIM TOL	Steven Zhao				

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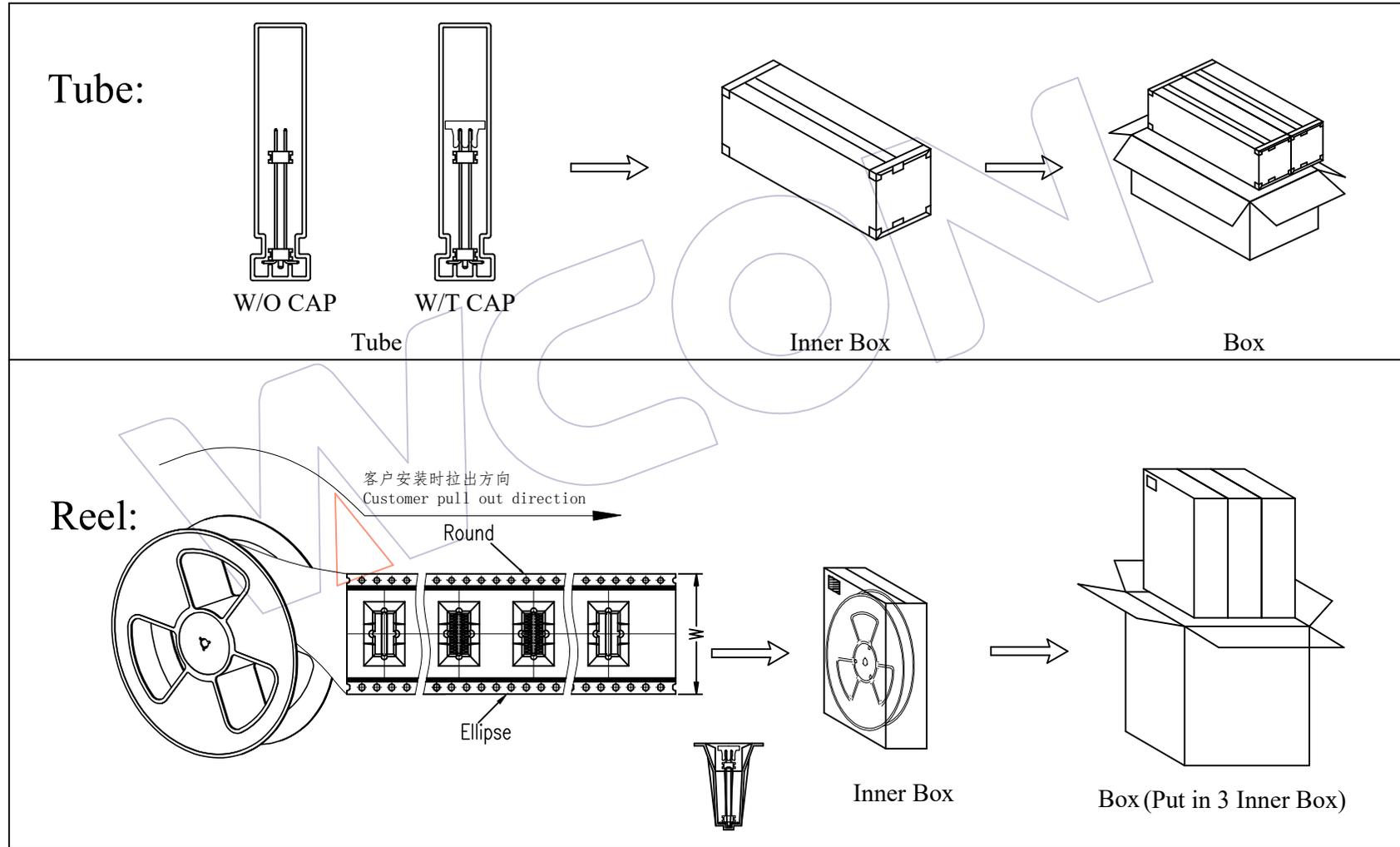
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Packing:



A4	2025/10/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A3	2024/06/20	MODIFY	BAO	x.X    ±0.40	CP	2025/10/09	UNIT	mm [inch]	1614-22XXXXMXXXXXX
A2	2023/01/31	Add Flatness	Du Ying	x.xx    ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/02/28	NEW	-----	x.xxx    ±0.15	TANG	2025/10/09	SHEET	2/6	0.80*1.20 Pin Header, DUAL ROW, DOUBLE PLASTIC, SMT, H=1.4
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle    ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM    TOL	Steven Zhao	2025/10/09			

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**Packaging Quantity Refers To The Following Table**

W/T CAP

W/T CAP

W/O CAP

W/O CAP

PINS /Row	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
4	120	7,200	14,400
5	120	7,200	14,400
6	113	6,780	13,560
7	98	5,880	11,760
8	86	5,160	10,320
9	77	4,620	9,240
10	69	4,140	8,280
11	63	3,780	7,560
12	58	3,480	6,960
13	54	3,240	6,480
14	50	3,000	6,000
15	47	2,820	5,640
16	44	2,640	5,280
17	41	2,460	4,920
18	39	2,340	4,680
19	37	2,220	4,440
20	35	2,100	4,200
21	33	1,980	3,960
22	32	1,920	3,840
23	31	1,860	3,720
24	29	1,740	3,480
25	28	1,680	3,360
26	27	1,620	3,240
27	26	1,560	3,120

PINS /Row	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
28	25	1,500	3,000
29	24	1,440	2,880
30	23	1,380	2,760
31	23	1,380	2,760
32	22	1,320	2,640
33	21	1,260	2,520
34	21	1,260	2,520
35	20	1,200	2,400
36	19	1,140	2,280
37	19	1,140	2,280
38	18	1,080	2,160
39	18	1,080	2,160
40	17	1,020	2,040
41	17	1,020	2,040
42	17	1,020	2,040
43	16	960	1,920
44	16	960	1,920
45	15	900	1,800
46	15	900	1,800
47	15	900	1,800
48	14	840	1,680
49	14	840	1,680
50	14	840	1,680

PINS /Row	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
4	165	9,900	19,800
5	134	8,040	16,080
6	113	6,780	13,560
7	98	5,880	11,760
8	86	5,160	10,320
9	77	4,620	9,240
10	69	4,140	8,280
11	63	3,780	7,560
12	58	3,480	6,960
13	54	3,240	6,480
14	50	3,000	6,000
15	47	2,820	5,640
16	44	2,640	5,280
17	41	2,460	4,920
18	39	2,340	4,680
19	37	2,220	4,440
20	35	2,100	4,200
21	33	1,980	3,960
22	32	1,920	3,840
23	31	1,860	3,720
24	29	1,740	3,480
25	28	1,680	3,360
26	27	1,620	3,240
27	26	1,560	3,120

PINS /Row	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
28	25	1,500	3,000
29	24	1,440	2,880
30	23	1,380	2,760
31	23	1,380	2,760
32	22	1,320	2,640
33	21	1,260	2,520
34	21	1,260	2,520
35	20	1,200	2,400
36	19	1,140	2,280
37	19	1,140	2,280
38	18	1,080	2,160
39	18	1,080	2,160
40	17	1,020	2,040
41	17	1,020	2,040
42	17	1,020	2,040
43	16	960	1,920
44	16	960	1,920
45	15	900	1,800
46	15	900	1,800
47	15	900	1,800
48	14	840	1,680
49	14	840	1,680
50	14	840	1,680

A4	2025/10/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A3	2024/06/20	MODIFY	BAO	x.X ±0.40	CP	2025/10/09	UNIT	mm [inch]	1614-22XXXXMXXXXXX
A2	2023/01/31	Add Flatness	Du Ying	x.xx ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/02/28	NEW	-----	x.xxx ±0.15	TANG	2025/10/09	SHEET	3/6	0.80*1.20 Pin Header,DUAL ROW, DOUBLE PLASTIC, SMT, H=1.4
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/10/09			

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**HSF**

**Packaging Quantity Refers To The Following Table**

E=3.75

E=3.75

E=5.0

E=5.0

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	16	800	3,200	9,600
3	16	800	3,200	9,600
4	16	800	3,200	9,600
5	16	800	3,200	9,600
6	16	800	3,200	9,600
7	16	800	3,200	9,600
8	16	800	3,200	9,600
9	24	800	2,400	7,200
10	24	800	2,400	7,200
11	24	800	2,400	7,200
12	24	800	2,400	7,200
13	24	800	2,400	7,200
14	24	800	2,400	7,200
15	24	800	2,400	7,200
16	24	800	2,400	7,200
17	24	800	2,400	7,200
18	24	800	2,400	7,200
19	32	800	1,600	4,800
20	32	800	1,600	4,800
21	32	800	1,600	4,800
22	32	800	1,600	4,800
23	32	800	1,600	4,800
24	44	800	1,600	4,800
25	44	800	1,600	4,800
26	44	800	1,600	4,800

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	44	800	1,600	4,800
28	44	800	1,600	4,800
29	44	800	1,600	4,800
30	44	800	1,600	4,800
31	44	800	1,600	4,800
32	44	800	1,600	4,800
33	44	800	1,600	4,800
34	44	800	1,600	4,800
35	44	800	1,600	4,800
36	44	800	1,600	4,800
37	44	800	1,600	4,800
38	44	800	1,600	4,800
39	56	800	800	2,400
40	56	800	800	2,400
41	56	800	800	2,400
42	56	800	800	2,400
43	56	800	800	2,400
44	56	800	800	2,400
45	56	800	800	2,400
46	56	800	800	2,400
47	56	800	800	2,400
48	56	800	800	2,400
49	56	800	800	2,400
50	56	800	800	2,400

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	550	1,650	4,950
3	24	550	1,650	4,950
4	24	550	1,650	4,950
5	24	550	1,650	4,950
6	24	550	1,650	4,950
7	24	550	1,650	4,950
8	24	550	1,650	4,950
9	24	550	1,650	4,950
10	24	550	1,650	4,950
11	24	550	1,650	4,950
12	24	550	1,650	4,950
13	24	550	1,650	4,950
14	24	550	1,650	4,950
15	24	550	1,650	4,950
16	32	550	1,100	3,300
17	32	550	1,100	3,300
18	32	550	1,100	3,300
19	32	550	1,100	3,300
20	32	550	1,100	3,300
21	44	550	1,100	3,300
22	44	550	1,100	3,300
23	44	550	1,100	3,300
24	44	550	1,100	3,300
25	44	550	1,100	3,300
26	44	550	1,100	3,300

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	44	550	1,100	3,300
28	44	550	1,100	3,300
29	44	550	1,100	3,300
30	44	550	1,100	3,300
31	44	550	1,100	3,300
32	44	550	1,100	3,300
33	44	550	1,100	3,300
34	44	550	1,100	3,300
35	44	550	1,100	3,300
36	56	550	550	1,650
37	56	550	550	1,650
38	56	550	550	1,650
39	56	550	550	1,650
40	56	550	550	1,650
41	56	550	550	1,650
42	56	550	550	1,650
43	56	550	550	1,650
44	56	550	550	1,650
45	56	550	550	1,650
46	56	550	550	1,650
47	56	550	550	1,650
48	56	550	550	1,650
49	56	550	550	1,650
50	56	550	550	1,650

A4	2025/10/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A3	2024/06/20	MODIFY	BAO	x.X ±0.40	CP	2025/10/09	UNIT	mm [inch]	1614-22XXXXMXXXXXX
A2	2023/01/31	Add Flatness	Du Ying	x.xx ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/02/28	NEW	-----	x.xxx ±0.15	TANG	2025/10/09	SHEET	4/6	0.80*1.20 Pin Header,DUAL ROW, DOUBLE PLASTIC, SMT, H=1.4
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/10/09			

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**HSF**

**Packaging Quantity Refers To The Following Table**

E=6.6

E=6.6

E=7.85

E=7.85

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	330	990	2,970
3	24	330	990	2,970
4	24	330	990	2,970
5	24	330	990	2,970
6	24	330	990	2,970
7	24	330	990	2,970
8	24	330	990	2,970
9	24	330	990	2,970
10	24	330	990	2,970
11	24	330	990	2,970
12	24	330	990	2,970
13	24	330	990	2,970
14	32	330	990	2,970
15	32	330	990	2,970
16	32	330	990	2,970
17	32	330	990	2,970
18	44	330	660	1,980
19	44	330	660	1,980
20	44	330	660	1,980
21	44	330	660	1,980
22	44	330	660	1,980
23	44	330	660	1,980
24	44	330	660	1,980
25	44	330	660	1,980
26	44	330	660	1,980

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	44	330	660	1,980
28	44	330	660	1,980
29	44	330	660	1,980
30	44	330	660	1,980
31	44	330	660	1,980
32	44	330	660	1,980
33	56	330	330	990
34	56	330	330	990
35	56	330	330	990
36	56	330	330	990
37	56	330	330	990
38	56	330	330	990
39	56	330	330	990
40	56	330	330	990
41	56	330	330	990
42	56	330	330	990
43	56	330	330	990
44	56	330	330	990
45	56	330	330	990
46	56	330	330	990
47	56	330	330	990
48	72	330	330	990
49	72	330	330	990
50	72	330	330	990

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	290	870	2,610
3	24	290	870	2,610
4	24	290	870	2,610
5	24	290	870	2,610
6	24	290	870	2,610
7	24	290	870	2,610
8	24	290	870	2,610
9	24	290	870	2,610
10	24	290	870	2,610
11	24	290	870	2,610
12	24	290	870	2,610
13	32	290	580	1,740
14	32	290	580	1,740
15	32	290	580	1,740
16	32	290	580	1,740
17	44	290	580	1,740
18	44	290	580	1,740
19	44	290	580	1,740
20	44	290	580	1,740
21	44	290	580	1,740
22	44	290	580	1,740
23	44	290	580	1,740
24	44	290	580	1,740
25	44	290	580	1,740
26	44	290	580	1,740

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	44	290	580	1,740
28	44	290	580	1,740
29	44	290	580	1,740
30	44	290	580	1,740
31	44	290	580	1,740
32	56	290	290	870
33	56	290	290	870
34	56	290	290	870
35	56	290	290	870
36	56	290	290	870
37	56	290	290	870
38	56	290	290	870
39	56	290	290	870
40	56	290	290	870
41	56	290	290	870
42	56	290	290	870
43	56	290	290	870
44	56	290	290	870
45	56	290	290	870
46	56	290	290	870
47	72	290	290	870
48	72	290	290	870
49	72	290	290	870
50	72	290	290	870

A4	2025/10/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A3	2024/06/20	MODIFY	BAO	x.X ±0.40	CP	2025/10/09	UNIT	mm [inch]	1614-22XXXXMXXXXXX
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A0	2012/02/28	NEW	-----	x.xxx ±0.15	TANG	2025/10/09	SHEET	5/6	0.80*1.20 Pin Header,DUAL ROW, DOUBLE PLASTIC, SMT, H=1.4
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/10/09			



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**HSF**

**Packaging Quantity Refers To The Following Table**

E=11.6

E=11.6

E=13.9

E=13.9

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	210	630	1,890
3	24	210	630	1,890
4	24	210	630	1,890
5	24	210	630	1,890
6	24	210	630	1,890
7	24	210	630	1,890
8	24	210	630	1,890
9	24	210	630	1,890
10	32	210	420	1,260
11	32	210	420	1,260
12	32	210	420	1,260
13	32	210	420	1,260
14	32	210	420	1,260
15	32	210	420	1,260
16	44	210	420	1,260
17	44	210	420	1,260
18	44	210	420	1,260
19	44	210	420	1,260
20	44	210	420	1,260
21	44	210	420	1,260
22	44	210	420	1,260
23	44	210	420	1,260
24	44	210	420	1,260
25	44	210	420	1,260
26	44	210	420	1,260

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	44	210	420	1,260
28	56	210	210	630
29	56	210	210	630
30	56	210	210	630
31	56	210	210	630
32	56	210	210	630
33	56	210	210	630
34	56	210	210	630
35	56	210	210	630
36	56	210	210	630
37	56	210	210	630
38	56	210	210	630
39	56	210	210	630
40	56	210	210	630
41	56	210	210	630
42	56	210	210	630
43	72	210	210	630
44	72	210	210	630
45	72	210	210	630
46	72	210	210	630
47	72	210	210	630
48	72	210	210	630
49	72	210	210	630
50	72	210	210	630

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	130	390	1,170
3	24	130	390	1,170
4	24	130	390	1,170
5	24	130	390	1,170
6	24	130	390	1,170
7	24	130	390	1,170
8	32	130	260	780
9	32	130	260	780
10	32	130	260	780
11	32	130	260	780
12	32	130	260	780
13	32	130	260	780
14	32	130	260	780
15	44	130	260	780
16	44	130	260	780
17	44	130	260	780
18	44	130	260	780
19	44	130	260	780
20	44	130	260	780
21	44	130	260	780
22	44	130	260	780
23	44	130	260	780
24	44	130	260	780
25	44	130	260	780
26	56	130	130	390

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	130	130	390
28	56	130	130	390
29	56	130	130	390
30	56	130	130	390
31	56	130	130	390
32	56	130	130	390
33	56	130	130	390
34	56	130	130	390
35	56	130	130	390
36	56	130	130	390
37	56	130	130	390
38	56	130	130	390
39	56	130	130	390
40	56	130	130	390
41	72	130	130	390
42	72	130	130	390
43	72	130	130	390
44	72	130	130	390
45	72	130	130	390
46	72	130	130	390
47	72	130	130	390
48	72	130	130	390
49	72	130	130	390
50	72	130	130	390

A4	2025/10/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A3	2024/06/20	MODIFY	BAO	x.X ±0.40	CP	2025/10/09	UNIT	mm [inch]	1614-22XXXXMXXXXXX
A2	2023/01/31	Add Flatness	Du Ying	x.xx ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/02/28	NEW	-----	x.xxx ±0.15	TANG	2025/10/09	SHEET	6/6	0.80*1.20 Pin Header,DUAL ROW, DOUBLE PLASTIC, SMT, H=1.4
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/10/09			



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