

SPECIFICATIONS

Mechanical

Contact Retention Force: 0.91Kgf min. Per Pin

Electrical

Current Rating: 3.0A max. per pin

Dielectric Withstanding Voltage: 500V AC

Insulation Resistance: 1000MΩ min.

Physical

Housing: PA6T, UL 94V-0

Contact: COPPER ALLOY

Plating: See "ORDERING INFORMATION"

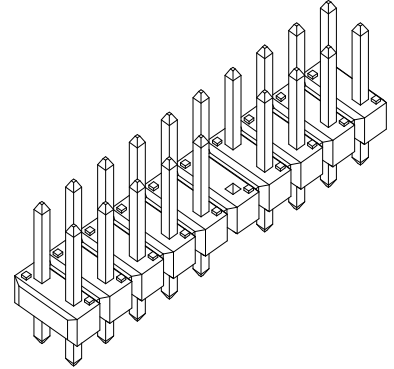
Operating Temperature: -40°C to +105°C

Header Connector

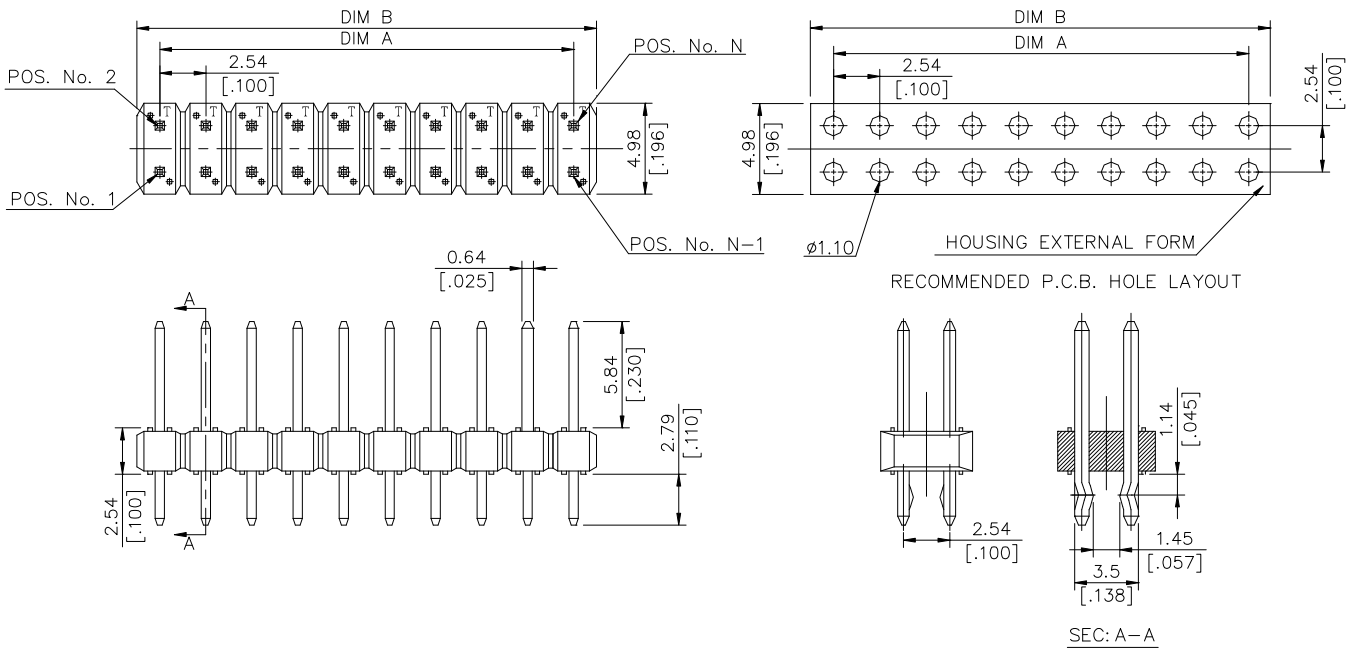
HC31 SERIES

Header, T/H Type

2.54mm [.10"] Pitch



DRAWING



ORDERING INFORMATION

HC31	**	*-*****	OPTIONAL FOR MODIFICATION CODE SEE DWG. 307-0000-209
No. OF POS.			E: 100u" MIN. TIN PLATING OVER ALL WITH RoHS COMPLIANCE
02= 4 POS.			F: GOLD FLASH VOER ALL WITH RoHS PRODUCT
03= 6 POS.			V: 15u" MIN. GOLD PLATING ON CONTACT AREA 100u" MIN. TIN PLATING ON TAIL WITH RoHS COMPLIANCE
04= 8 POS.			H: 30u" MIN. GOLD PLATING ON CONTACT AREA 100u" MIN. TIN PLATING ON TAIL WITH RoHS COMPLIANCE
:			
40= 80 POS.			

**THE DIM A&DIM B
SEE NEXT PAGE FOR HC31 SERIES**

HC3140* -*****	40/80	99.06	101.35
HC3139* -*****	39/78	96.52	98.81
HC3138* -*****	38/76	93.98	96.27
HC3137* -*****	37/74	91.44	93.73
HC3136* -*****	36/72	88.90	91.19
HC3135* -*****	35/70	86.36	88.65
HC3134* -*****	34/68	83.82	86.11
HC3133* -*****	33/66	81.28	83.57
HC3132* -*****	32/64	78.74	81.03
HC3131* -*****	31/62	76.20	78.49
HC3130* -*****	30/60	73.66	75.95
HC3129* -*****	29/58	71.12	73.41
HC3128* -*****	28/56	68.58	70.87
HC3127* -*****	27/54	66.04	68.33
HC3126* -*****	26/52	63.50	65.79
HC3125* -*****	25/50	60.96	63.25
HC3124* -*****	24/48	58.42	60.71
HC3123* -*****	23/46	55.88	58.17
HC3122* -*****	22/44	53.34	55.63
HC3121* -*****	21/42	50.80	53.09
HC3120* -*****	20/40	48.26	50.55
HC3119* -*****	19/38	45.72	48.01
HC3118* -*****	18/36	43.18	45.47
HC3117* -*****	17/34	40.64	42.93
HC3116* -*****	16/32	38.10	40.39
HC3115* -*****	15/30	35.46	37.85
HC3114* -*****	14/28	33.02	35.31
HC3113* -*****	13/26	30.48	32.77
HC3112* -*****	12/24	27.94	30.23
HC3111* -*****	11/22	25.40	27.69
HC3110* -*****	10/20	22.86	25.15
HC3109* -*****	9/18	20.32	22.61
HC3108* -*****	8/16	17.78	20.07
HC3107* -*****	7/14	15.24	17.53
HC3106* -*****	6/12	12.70	14.99
HC3105* -*****	5/10	10.16	12.45
HC3104* -*****	4/8	7.62	9.91
HC3103* -*****	3/6	5.08	7.37
HC3102* -*****	2/4	2.54	4.83
PART NO.	NO.OF POS	DIM. A	DIM. B

1 2 3 4



REV	ECN. NO.	APPD.
A	HC95574	Jeff 4/14'95
B	HC951422	I.K.Liu 10/3'95
C	HC951537	I.K.Liu 10/30'95
D	HC951580	Jeff 11/7'95
E	HC96025	I.K.Liu 1/6'96
F	HC96196	C. CHEN 2/7'06
G	HC96583	I.K.Liu 4/20'96
H	HC961175	C. CHEN 8/14'96
J	HC97580	C. CHEN 3/30'97
K	HC972839	Charles 12/8'97
L	HC98393	I.K.Liu 2/20'98
M	HC990707	DiCl Lee 3/17'99
N	HC991364	DiCl Lee 7/17'99
P	MC002571	Y.K.Liu 8/23'00
Q	IC014668	Yihsin Chen 11/3'01
R	IC021003	Yihsin Chen 3/27'02
S	IC023145	Yihsin Chen 5/6'02
T	IC0214775	Lvan lai 3/11'03
U	BC0361580	Michael Lai 5/17'03
V	BC0379340	Yihsin Chen 10/14'03
W	BC0384697	Yihsin Chen 11/24'03
Y	HC0412051	Ady Zhou 1/10'05
Z	HC051090	Ady Zhou 2/18'05
A1	BC06773080	Jake W.Y
A2	BC077057891	Yusan
A3	BC077088490	Jake W.Y
A4	BC087036412	Jake W.Y

REMARK:

△ K: WITH KINKS.

A) POS. 1/2, 3/6, 5/10
K = THE MID. PAIR OF TERMINALS IS KINKED.

B) POS. 2/4, 4/8, 6/12
K = THE PRECEDING PAIR OF TERMINALS IN MID. IS KINKED.

C) POS. 7/14~40/80
K = THE 2ND PAIR FROM THE TOP AND THE 2ND PAIR FROM THE END TWO PAIRS OF TERMINALS ARE KINKED.

D) FOR REMOVED PIN(S), KINK POSITION(S) SHOULD BE CHANGED TO THE NEXT PAIR.

NONE: FOR OTHERS.

△ OPTIONAL FOR HOUSING COLOR.

NONE : STANDARD PRODUCT, COLOR BLACK.

U: BLUE COLOR (PANTON 661C).

W: WHITE COLOR.

Y: YELLOW COLOR (PANTONE 123C).

R: RED COLOR (PANTONE 032C).

J: ORANGE COLOR (PANTONE 1665C).

G: GREEN COLOR (PANTONE 347C).

T: ORANGE COLOR (PANTONE 157C).

X.±	X°±	UNITS mm	NAME(INTENDED USE)	FOXCONN			
.X±	.X°±	MAT'L	BREAKAWAY HEADER	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.XX±	.XX°±		PART NO.(INTENDED USE)	TITLE:			
.XXX±	.XXX°±	FINISH	HC SERIES	TABLE, MODIFICATION CODE			
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			Q'TY	CHKD: D.J.Chen			
				DR: Donny Chu 9/10'08			
				N/A	1/4	A4X6	

1 2 3 4

3	4
REV.	ECN. NO.
	APPD.

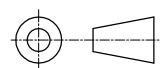
N: BLUE COLOR (PANTONE 660C).
 S: PURPLE COLOR (PANTONE 2715C).
 F: PINK COLOR (PANTONE 1807C).
 Z: GREEN COLOR (PANTONE 7487C).
 A: RED COLOR (PANTONE 177C).
 M: LIGHT BLUE COLOR (PANTONE 285C).
 H: ORANGE COLOR (PANTONE 151C).
 D: DARK BLUE COLOR .
 E: LIGHT BLUE COLOR.
 F: GRAY COLOR.

△ MODIFICATION CODE.

CODE	DESCRIPTION
D0	1st PIN OMITTED.
D1	2nd & FINAL 2nd PINS OMITTED.
D2	20th POSITION OMITTED.
D3	21st POSITION OMITTED.
D4	8th POSITION OMITTED.
D5	3rd POSITION OMITTED.
D6	25th POSITION OMITTED.
D7	5th, 6th & 16th POSITION OMITTED.
D8	3rd & 8th POSITION OMITTED.
D9	3rd, 4th & 14th POSITION OMITTED.

P0	4th POSITION OMITTED.
P1	6th POSITION OMITTED.
P2	9th & 10th POSITION OMITTED.
P3	2nd POSITION OMITTED.
P4	5th POSITION OMITTED.
P5	10th POSITION OMITTED.
P6	11th POSITION OMITTED.
P7	29th POSITION OMITTED.
P8	7th POSITION OMITTED.
P9	9th POSITION OMITTED.

G0	3th & 6th POSITION OMITTED.
G1	24th POSITION OMITTED.

X.±	X°±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.							
.X±	.X°±	MAT'L	BREAKAWAY HEADER								
.XX±	.XX°±	FINISH	PART NO.(INTENDED USE)	TITLE:							
.XXX±	.XXX°±		HC SERIES	TABLE, MODIFICATION CODE							
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			Q'TY	CHKD: D.J.Chen	 <table border="1"> <tr> <td>SCALE</td> <td>SHEET</td> <td>REV.</td> </tr> <tr> <td>N/A</td> <td>2/4</td> <td>A4X6</td> </tr> </table>	SCALE	SHEET	REV.	N/A	2/4	A4X6
			SCALE	SHEET		REV.					
			N/A	2/4	A4X6						
	DR: Donny Chu										
	9/10'08										

1

2

3

4

REV. ECN. NO. APPD.

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T0	1st&3rd&4th&5th&6th&7th&8th POSTION OMITTED.
T1	1st & END PINS WITH KINK, 2nd POSTION OMITTED.
T2	ALL PINS WITH KINK, 3rd & 4th POSITION OMITTED.
T3	ALL PINS WITH KINK, 5th & 6th POSITION OMITTED.
T4	5th, 18th POSITION OMITTED.
T5	30th POSITION OMITTED.
T6	2nd, 11th, 12th & 28th POSITION OMITTED.
T7	8th & 16th POSITION OMITTED.
T8	2nd & 3rd POSITION OMITTED.
T9	2nd & 14th POSITION OMITTED.

L0	2nd, 7th & 17th POSITION OMITTED.
L1	12th POSITION OMITTED.
L2	4th,14th & 19th POSITION OMITTED.
L3	4th & 7th POSITION OMITTED
L4	7th, 8th & 18th POSITION OMITTED.
L5	18th POSITION OMITTED.
L6	14th POSITION OMITTED.
L7	5th & 6th POSITION OMITTED.
L8	2nd & 4th POSITION OMITTED.
L9	11th, 17th, 18th & 19th POSITION OMITTED.

CODE	DESCRIPTION
U0	13th & 14th POSITION OMITTED.
U1	3rd & 5th POSITION OMITTED
U2	17th POSITION OMITTED.
U3	10th POSITION AND 14th POSITION OMITTED.
U4	13th POSITION OMITTED.
U5	6th, 7th & 10th POSITION OMITTED.
U6	1st & 24th POSITION OMITTED.
U7	16th, 17th, 18th & 24th POSITION OMITTED.
U8	3rd, 4th, 29th & 32nd POSITION OMITTED.
U9	11th & 18th POSITION OMITTED.

E0	3rd, 25th & 26th POSITION OMITTED.
E1	7th, 8th & 10th POSITION OMITTED.
E2	7th & 8th POSITION OMITTED.
E3	7th, 8th, 15th, 16th, 23rd & 24th POS. OMITTED.
E4	13th, 14th & 15th POSITION OMITTED.
E5	27th POSITION OMITTED.
E6	1st, 11th, 12th & 15th POS. OMITTED.
E7	7th, 8th, 15th & 16th POS. OMITTED.
E8	1st & 5th POSITION OMITTED.
E9	13th, 14th & 16th POS. OMITTED.

TR	TRIPLE ROW
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X.±	X°±	UNITS mm	NAME(INTENDED USE)	FOXCONN			
.X±	.X°±	MAT'L	BREAKAWAY HEADER	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.XX±	.XX°±		PART NO.(INTENDED USE)	TITLE:			
.XXX±	.XXX°±	FINISH	HC SERIES	TABLE, MODIFICATION CODE			
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			CHKD: D.J.Chen		SCALE	SHEET	REV.
			DR: Donny Chu 9/10'08		N/A	3/4	A4X6

1

2

3

4

REV.	ECN. NO.	APPD.

B0	3rd, 4th, 17th, 19th & 20th POSITION OMITTED.
B1	3th & 10th POSITION OMITTED.
B2	6th & 12th POSITION OMITTED.
B3	26th POSITION OMITTED.
B4	3rd, 25th & 26th POSITION OMITTED.
B5	5th & 13th POSITION OMITTED.
B6	1st & 11th POSITION OMITTED.
B7	15th POSITION OMITTED.
B8	3rd, 14th, 16th, & 23th POSITION OMITTED.
B9	5th, 9th, & 10th POSITION OMITTED.

F1	22th POSITION OMITTED
F2	13th , 15th & 16th POSITION OMITTED
F3	3rd & 9th POSITION OMITTED
F4	3rd,4th&13th POSITION OMITTED
F5	10th&15th POSITION OMITTED
F7	3rd,4th&13th POSITION OMITTED
F8	3rd&6th POSITION OMITTED
F9	3rd&4th POSITION OMITTED

▲ MATERIAL OPTIONAL
 NONE: HALOGEN MATERIAL
 B: THERMOPLASTIC
 HALOGEN FREE MATERIAL
 L: HIGH TEMPERATURE
 HALOGEN FREE MATERIAL

▲ ROHS CODE
 NONE: ROHS PRODUCT
 H: ROHS&, HALOGEN FREE

- HARMFUL MATERIAL CONTROL PLEASE FOLLOW FOXCONN'S DOC. "EP12".
- PLEASE CONTACT FOXCONN SALES REPRESENTATIVE TO VERIFY PRODUCT DETAILS & AVAILABILITY.

	X ^o ±	UNITS mm	NAME(INTENDED USE)	FOXCONN		
	.X ^o ±	MAT'L	BREAKAWAY HEADER	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.		
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					SCALE	SHEET
				N/A	4/4	A4X6