

SPECIFICATIONS

Mechanical

Contact Retention Force: 1.36Kg min.

Electrical

Current Rating: 3.0A per pin min.

Dielectric Withstanding Voltage: 500V AC **Insulation Resistance:** 1000MW min

Physical

Housing: Nylon 4.6, Glass Filled, UL94V-0, Color Black

Contact: Copper Alloy

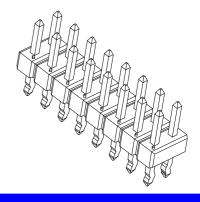
Plating: See "ORDERING INFORMATION"

Solder Pad: Copper Alloy

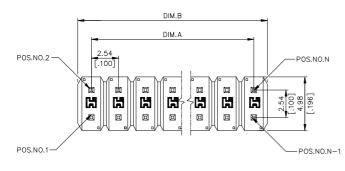
Operating Temperature: -40 to +105

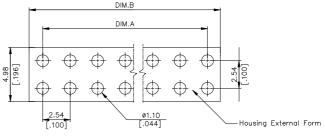
BreakaWay Header

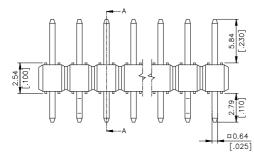
HC17 Series T/H Type 2.54mm [.100"] Pitch

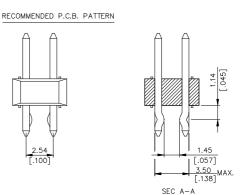


DRAWING

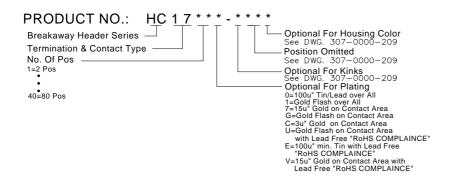








ORDERING INFORMATION





ORDERING INFORMATION

| HC1720*-*** | 40 | 45.72 [1.900] | 50.55 [1.990] |
|-------------|------|------------------|------------------|
| HC1719*-*** | 38 | 45.72 [1.800] | 48.01 [1.890] |
| HC1718*-*** | 36 | 43.18 [1.700] | 45.47 [1.790] |
| HC1717*-*** | 34 | 40.64 [1.600] | 42.93 [1.690] |
| HC1716*-*** | 32 | 38.10 [1.500] | 40.39 [1.590] |
| HC1715*-*** | 30 | 35.46 [1.400] | 37.85 [1.490] |
| HC1714*-*** | 28 | 33.02 [1.300] | 35.31 [1.390] |
| HC1713*-*** | 26 | 30.48 [1.200] | 32.77 [1.290] |
| HC1712*-*** | 24 | 27.94 [1.100] | 30.23 [1.190] |
| HC1711*-*** | 22 | 25.40 [1.000] | 27.69 [1.090] |
| HC1710*-*** | 20 | 22.86 [.900] | 25.15 [.990] |
| HC1709*-*** | 18 | 20.32 [.800] | 22.61 [.890] |
| HC1708*-*** | 16 | 17.78 [.700] | 20.07 [.790] |
| HC1707*-*** | 14 | 15.24 [.600] | 17.53 [.690] |
| HC1706*-*** | 12 | 12.70 [.500] | 14.99 [.590] |
| HC1705*-*** | 10 | 10.16 [.400] | 12.45 [.490] |
| HC1704*-*** | 8 | 7.62 [.300] | 9.91 [.390] |
| HC1703*-*** | 6 | 5.08 [.200] | 7.37 [.290] |
| HC1702*-*** | 4 | 2.54 [.100] | 4.83 [.190] |
| HC1701*-*** | 2 | 0.00 | 2.29 [.090] |
| P/N | POS. | DIM. A | DIM. B |

| HC1740*-**** 80 99.06 [3.990] [3.990] HC1739*-**** 78 96.52 [3.800] [3.890] HC1738*-**** 76 93.98 [3.790] [3.790] HC1737*-**** 74 91.44 [3.600] [3.690] HC1736*-**** 72 88.90 [3.590] HC1735*-**** 70 86.36 [3.400] [3.490] HC1734*-**** 68 83.82 [3.300] [3.390] HC1732*-**** 64 81.28 [3.200] [3.290] HC1731*-**** 62 3.200] [3.190] HC1730*-**** 62 73.66 [2.900] [2.515 [3.000]] 3.000] 3.090] 73.66 [2.900] HC1729*-**** 58 71.12 [2.800] [2.890] HC1728*-**** 56 68.58 [2.700] [2.790] HC1726*-**** 54 66.04 [2.600] [2.690] HC1725*-**** 50 63.50 [2.590] [2.590] HC1724*-**** 48 55.88 [60.71 [2.390] HC1722*-**** 46 53.34 [2.200] [2.290] HC1723*-**** 46 53.09 [2.190] HC1721*-**** 42 2.000] [2.090] HC17 | | | | |
|---|-------------|------|------------------|------------------|
| HC1739*-**** 78 [3.800] [3.890] HC1738*-**** 76 [3.700] [3.790] HC1737*-**** 74 [3.600] [3.690] HC1736*-**** 72 [3.500] [3.590] HC1735*-**** 70 86.36 [3.490] [3.590] HC1734*-**** 68 [3.400] [3.390] HC1773*-**** 66 [3.200] [3.290] HC1732*-**** 64 [3.100] [3.190] HC1731*-**** 62 [3.000] [3.090] HC1730*-**** 60 [2.900] [2.990] HC1729*-**** 58 [2.900] [2.990] HC1728*-**** 56 [3.500] [2.890] HC1728*-**** 56 [3.500] [2.890] HC1725*-**** 54 [6.04] [2.700] [2.790] HC1725*-**** 50 [2.500] [2.590] HC1724*-**** 48 [2.300] [2.390] HC1723*-**** 46 [3.34] [2.800] [2.390] HC1724*-**** 48 [2.300] [2.290] HC1722*-**** 46 [3.50] [3.90] HC1722*-**** 46 [3.50] [3.90] HC1722*-**** 46 [3.50] [3.90] | HC1740*-*** | 80 | | |
| HC1738*-**** 76 [3.700] [3.790] HC1737*-**** 74 91.44 93.73 [3.600] [3.690] 88.90 91.19 [3.500] [3.590] 88.90 91.19 [3.500] [3.590] 88.90 91.19 [3.400] [3.590] 86.36 88.65 [3.400] [3.490] 83.82 86.11 [3.300] [3.390] 81.28 83.57 [3.200] [3.290] 81.28 83.57 [3.200] [3.290] 88.00 88.65 [3.200] [3.290] 88.00 88.65 [3.400] [3.390] 88.65 88.65 [3.200] [3.290] 88.20 86.11 [3.300] [3.390] 81.28 83.57 [3.200] [3.290] 83.290 88.65 [3.200] [3.290] 88.03 88.65 [3.200] [3.290] 88.03 83.57 [3.200] [3.290] 88.03 83.57 [3.200] [3.290] 88.03 88.57 [3.200] [3.290] 88.03 88.57 [3.200] [3.290] 88.03 88.57 [3.200] [3.290] 89.00 88.28 | HC1739*-*** | 78 | | |
| HC173/*-*** 74 [3.600] [3.690] HC1736*-**** 72 88.90 [3.590] HC1735*-**** 70 86.36 [3.400] [3.490] HC1734*-**** 68 83.82 [3.400] [3.390] HC1773*-**** 68 83.82 [3.200] [3.290] HC1773*-**** 64 78.74 [3.200] [3.290] HC1731*-**** 62 78.74 [3.000] [3.090] HC1730*-**** 62 73.66 [2.900] [2.990] HC1729*-**** 58 71.12 [2.800] [2.990] HC1728*-**** 56 68.58 [32.77 [2.700] [2.790] HC1727*-**** 54 66.04 [30.23 [2.690] HC1726*-**** 52 63.50 [2.690] HC1725*-**** 50 58.42 [3.25 [2.490] HC1724*-**** 48 60.71 [2.390] HC1723*-**** 46 53.34 [2.290] HC1722*-**** 46 53.34 [2.290] HC1722*-**** 48 55.63 [2.190] HC1721*-***** 42 48.26 [2.100] [2.190] HC1721*-**** 42 48.26 [2.000] [2.090] | HC1738*-*** | 76 | | |
| HC1736*-**** 72 [3.500] [3.590] HC1735*-**** 70 86.36 88.65 [3.490] 83.82 86.11 [3.300] [3.390] HC1773*-**** 68 81.28 83.57 [3.200] [3.290] HC1732*-**** 64 78.74 81.03 [3.100] [3.190] HC1731*-**** 62 [3.000] [3.090] HC1730*-**** 60 73.66 37.85 [2.900] [2.990] [2.990] HC1728*-**** 56 [68.58 32.77 [2.700] [2.890] HC1726*-**** 54 [66.04 30.23 [2.600] [2.590] HC1725*-**** 50 [2.500] [2.590] HC1724*-**** 48 55.88 60.71 [2.390] [2.390] [2.290] HC1722*-**** 46 53.34 58.17 [2.290] [2.190] [2.190] [2.190] | HC1737*-*** | 74 | | |
| HC1733*-**** 70 [3.400] [3.490] HC1734*-**** 68 83.82 86.11 [3.300] [3.390] 81.28 83.57 [3.200] [3.290] 78.74 81.03 [3.100] [3.190] 76.20 25.15 [3.000] [3.090] 73.66 37.85 [2.900] [2.990] 73.66 [2.900] [2.990] HC1730*-**** 58 71.12 35.31 [2.890] [2.890] HC1728*-**** 56 68.58 32.77 [2.700] [2.890] HC1727*-**** 54 66.04 30.23 [2.600] [2.690] HC1726*-**** 52 63.50 27.69 [2.500] [2.590] [2.590] HC1725*-**** 48 63.25 2.490 HC1723*-**** 48 60.71 2.390 HC1723*-**** 46 50.80 55.63 2.190 HC1721*-**** 42 48.26 53.09 2.090 HC1721*-**** 42 48.26 53.09 2.090 | HC1736*-*** | 72 | l _ | |
| HC1/34*-**** 68 [3.300] [3.390] HC1773*-**** 66 81.28 [3.290] 83.57 [3.290] HC1732*-**** 64 78.74 [3.100] [3.190] HC1731*-**** 62 76.20 [25.15 [3.000] [3.090] HC1730*-**** 60 73.66 [2.900] [2.990] HC1729*-**** 58 71.12 [2.800] [2.890] HC1728*-**** 56 68.58 [2.700] [2.790] HC1727*-**** 54 66.04 [2.600] [2.690] HC1726*-**** 52 63.50 [2.769 [2.590] HC1725*-**** 50 [58.42 [2.400] [2.590] HC1724*-**** 48 55.88 [60.71 [2.390] HC1723*-**** 46 [2.200] [2.290] HC1722*-**** 44 [2.200] [2.190] HC1721*-**** 42 48.26 [2.000] [2.090] | HC1735*-*** | 70 | | |
| HC1773*-**** 66 [3.200] [3.290] HC1732*-**** 64 78.74 81.03 [3.100] [3.190] 76.20 25.15 HC1731*-**** 62 [3.000] [3.090] HC1730*-**** 60 73.66 37.85 [2.900] [2.990] [2.990] [2.990] HC1729*-**** 58 71.12 35.31 [2.890] [2.890] [2.790] HC1728*-**** 54 [6.04] 30.23 [2.700] [2.790] [2.690] [2.690] HC1726*-**** 52 [63.50] [27.69] [2.500] [2.590] [2.590] HC1725*-**** 50 [58.42] [63.25] [2.400] [2.390] [2.390] HC1724*-**** 48 [55.88] 60.71 [2.200] [2.390] [2.290] HC1722*-**** 46 [2.200] [2.190] HC1721*-**** 42 [48.26] [53.09] [2.000] [2.090] [2.090] [2.090] | HC1734*-*** | 68 | l | |
| HC1/32*-**** 64 [3.100] [3.190] HC1731*-**** 62 [3.000] [3.090] HC1730*-**** 62 [3.000] [3.090] HC1730*-**** 60 [2.900] [2.990] HC1729*-**** 58 [2.900] [2.890] HC1728*-**** 56 [68.58] 32.77 [2.700] [2.790] HC1727*-**** 54 [66.04] 30.23 [2.600] [2.690] HC1726*-**** 52 [63.50] [2.690] HC1725*-**** 50 [2.500] [2.590] HC1724*-**** 48 [5.88] 60.71 [2.300] [2.390] HC1722*-**** 46 [2.200] [2.290] HC1721*-**** 42 [48.26] 53.09 [2.000] [2.090] [2.090] | HC1773*-*** | 66 | | |
| HC1731*-*** 62 [3.000] [3.090] HC1730*-**** 60 73.66 [2.900] [2.990] HC1729*-**** 58 71.12 [2.800] [2.890] HC1728*-**** 56 68.58 [2.700] [2.790] HC1727*-**** 54 66.04 [2.600] [2.690] HC1726*-**** 52 63.50 [2.690] HC1725*-**** 50 [2.400] [2.590] HC1724*-**** 48 63.25 [2.400] HC1723*-**** 46 [2.300] [2.390] HC1722*-**** 46 [2.200] [2.290] HC1721*-**** 42 48.26 [2.000] [2.090] | HC1732*-*** | 64 | l _ | |
| HC1/30*-**** 60 [2.900] [2.990] HC1729*-**** 58 71.12 [2.890] HC1728*-**** 56 68.58 [2.700] 32.77 [2.700] [2.790] [2.790] 2.790] HC1727*-**** 54 66.04 [2.600] 20.2690] HC1726*-**** 52 63.50 [2.590] 27.69 [2.590] [2.500] [2.590] HC1725*-**** 48 55.88 [60.71 [2.390] HC1724*-**** 48 53.34 [2.300] 58.17 [2.290] HC1722*-**** 44 50.80 [2.100] 55.63 [2.100] HC1721*-**** 42 48.26 [2.000] 53.09 [2.090] | HC1731*-*** | 62 | | |
| HC1729******* 58 [2.800] [2.890] HC1728****** 56 68.58 [2.700] [2.790] HC1727****** 54 66.04 [2.600] [2.690] HC1726****** 52 63.50 [2.590] [2.590] HC1725***** 50 [2.400] [2.490] HC1724***** 48 [2.300] [2.390] HC1723***** 46 [2.200] [2.290] HC1722***** 44 [2.200] [2.190] HC1721***** 42 [48.26] [3.09] [2.090] | HC1730*-*** | 60 | | |
| HC1728*-**** 56 [2.700] [2.790] HC1727*-**** 54 [66.04] 30.23 [2.600] [2.690] HC1726*-**** 52 [63.50] [2.590] HC1725*-**** 50 [58.42] [63.25] [2.490] HC1724*-**** 48 [55.88] 60.71 [2.300] [2.390] HC1723*-**** 46 [2.200] [2.290] HC1722*-**** 44 [2.200] [2.190] HC1721*-**** 42 [48.26] 53.09 [2.090] | HC1729*-*** | 58 | | |
| HC1727*-*** 54 [2.600] [2.690] HC1726*-*** 52 [63.50] [2.590] HC1725*-*** 50 [2.500] [2.590] HC1724*-*** 48 [2.300] [2.390] HC1723*-*** 46 [2.300] [2.290] HC1722*-*** 44 [2.200] [2.190] HC1721*-*** 42 [48.26] 53.09 [2.090] | HC1728*-*** | 56 | | |
| HC1728*-**** 52 [2.500] [2.590] HC1725*-**** 50 [58.42] 63.25 [2.400] [2.490] HC1724*-**** 48 [2.300] [2.390] HC1723*-**** 46 [2.200] [2.290] HC1722*-**** 44 [2.200] [2.190] HC1721*-**** 42 48.26 53.09 [2.090] | HC1727*-*** | 54 | | |
| HC1724*-*** 48 | HC1726*-*** | 52 | | |
| HC1723*-*** 46 [2.300] [2.390] HC1723*-*** 46 [2.200] [2.290] HC1722*-*** 44 [2.100] [2.190] HC1721*-*** 42 [2.000] [2.090] | HC1725*-*** | 50 | 58.42 [2.400] | 63.25 [2.490] |
| HC1723*-**** 46 [2.200] [2.290] HC1722*-**** 44 [50.80 55.63 [2.100] [2.190] HC1721*-*** 42 [48.26 53.09 [2.090] | HC1724*-*** | 48 | 55.88 [2.300] | |
| HC1722*-**** 44 [2.100] [2.190] HC1721*-**** 42 [2.000] [2.090] | HC1723*-*** | 46 | l – – | l |
| HC1/21*-*** 42 [2.000] [2.090] | HC1722*-*** | 44 | | |
| P/N POS. DIM. A DIM. B | HC1721*-*** | 42 | | l |
| | P/N | POS. | DIM. A | DIM. В |



307-0000-209

HCNN NN N - (K) (L) N (NN) NN

| CODE | DESCRIPTION |
|-----------------|--|
| K0 | SAME AS REMARK A PER EDGE WITH KINK. |
| K1 K3 | PER EDGE WITH KINK. |
| K7 | SAME AS REMARK A PER 7th PIN WITH KINK. |
| | |
| DO | 1st PIN OMITTED. |
| D1 D2 | 2nd & FINAL 2nd PINS OMITTED. 20th POSITION OMITTED. |
| D3 | 21st POSITION OMITTED. |
| D4 | 8th POSITION OMITTED. |
| D5 D6 | 3rd POSITION OMITTED |
| | 25th POSITION OMITTED. |
| D/ | 5th, 6th & 16th POSITION OMITTED. |
| D8 D9 | 3rd & 8th POSITION OMITTED. 3rd, 4th & 14th POSITION OMITTED. |
| | |
| P0 P1 | 4th POSITION OMITTED. 6th POSITION OMITTED. |
| | 9th & 10th POSITION OMITTED. |
| P2 P3 | 2nd POSITION OMITTED. |
| P4 | 5th POSITION OMITTED. |
| P5 P6 | 10th POSITION OMITTED. 11th POSITION OMITTED. |
| P6 | TITH POSITION OMITTED. |
| P7 P8 | 29th POSITION OMITTED. 7th POSITION OMITTED. |
| P9 | 9th POSITION OMITTED. |
| | |
| T1 T2 | 1st & END PINS WITH KINK, 2nd POSTION OMITTED. ALL PINS WITH KINK, 3rd & 4th POSITION OMITTED. ALL PINS WITH KINK, 5th & 6th POSITION OMITTED. |
| T2 T3 | ALL PINS WITH KINK, 5th & 6th POSITION OMITTED. |
| T4 | 5th, 18th POSITION OMITTED. 30th POSITION OMITTED. |
| <u>T5</u> | 30th POSITION OMITTED. |
| <u>T6</u> | 2nd, 11th, 12th & 28th POSITION OMITTED. |
| T7 T8 | 8th & 16th POSITION OMITTED. 2nd & 3rd POSITION OMITTED. |
| T9 | 9th POSITION OMITTED. |
| | |
| L0 L1 | 2nd, 7th & 17th POSITION OMITTED. 12th POSITION OMITTED. |
| L2 L3 | 4th,14th & 19th POSITION OMITTED. |
| L3 | 4th,14th & 19th POSITION OMITTED. 4th & 7th POSITION OMITTED 7th, 8th & 18th POSITION OMITTED. |
| L4 L5 | 7th, 8th & 18th POSITION OMITTED. |
| L5 | 18th POSITION OMITTED. |
| <u>L6</u> L7 | 14th POSITION OMITTED. 5th & 6th POSITION OMITTED. |
| L8 | 2nd & 4th POSITION OMITTED. |
| <u>L</u> 9 | 11th, 17th, 18th & 19th POSITION OMITTED. |
| UO | 13th & 14th POSITION OMITTED. |
| Ŭ1 | 3rd & 5th POSITION OMITTED |
| U2 U3 | 3rd & 5th POSITION OMITTED 17th POSITION OMITTED. |
| | 10th POSITION AND 14th POSITION OMITTED. |
| U4 U5 | 13th POSITION OMITTED. 6th, 7th & 10th POSITION OMITTED. |
| <u>U6</u> | 6th, 7th & 10th POSITION OMITTED. |
| ŬŽ | 1st & 24th POSITION OMITTED. 16th, 17th, 18th & 24th POSITION OMITTED. |
| U8 | 3rd, 4th, 29th & 32nd POSITION OMITTED. 11th & 18th POSITION OMITTED. |
| U9 | 11th & 18th POSITION OMITTED. |
| ΕO | 3rd, 25th & 26th POSITION OMITTED. |
| F1 | 7th, 8th & 10th POSITION OMITTED. |
| E2 E3 | 7th & 8th POSITION OMITTED. |
| <u>E3</u> F4 | 7th & 8th POSITION OMITTED. 7th, 8th, 15th, 16th, 23rd & 24th POS. OMITTED. 13th, 14th & 15th POSITION OMITTED. 27th POSITION OMITTED. |
| E4 E5 | 27th POSITION OMITTED. |
| E6 | |
| 1 E7 1 | /th 8th 15th & 16th POS (MILLED) |
| E8 | 1st & 5th POSITION OMITTED. |
| E9 | 13th, 14th & 16th POS. OMITTED. |
| TR | TRIPLE ROW |
| B0 | 3rd, 4th, 17th, 19th & 20th POSITION OMITTED. 3rd, 14th, 16th, & 23th POSITION OMITTED. |
| В8 | 3rd, 14th, 16th, & 23th POSITION OMITTED. |
| F1 | 22th POSITION OMITTED |
| F2 F3 | 13th , 15th & 16th POSITION OMITTED 3rd & 9th POSITION OMITTED |
| F3 | 3rd & 9th POSITION OMITIED |
| F4 | 3rd,4th&13th POSITION OMITTED |
| F5 F7 | 10th&15th POSITION OMITTED 3rd,4th&13th POSITION OMITTED |
| F8 | 3rd&6th_POSITION_OMITTED |
| F9 | 3rd&4th POSITION OMITTED |
| | |

Remark:

1 Optional for 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 ofterminals in mid. is Kinked.

c) Pos. $7/14 \sim 40/80$

K = The 2nd Pair from the topand 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.

Optional for housing color.

None: Standard product, color black.

U: Blue color (pantone 661C)

W: White color

Y: Yellow color (pantone 123C)

R: Red color (pantone 032C)
J: Warm Red color (pantone 1665C)
G: Green color (pantone 347C)

3 Optional for tails.

None: Standard product, Tail length is 2.15mm L:tail length is 3.10mm.