

SPECIFICATIONS

BreakaWay Header

Mechanical

Contact Retention Force: 0.91Kg min.

HC11 Series

T/H Type

2.54mm [.100"] Pitch

Electrical

Current Rating: 3.0A per pin min.

Dielectric Withstanding Voltage: 500V AC

Insulation Resistance: 1000MW min

Physical

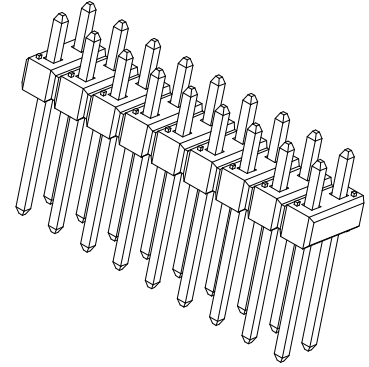
Housing: Nylon 6.6, Glass Filled, UL94V-0, Color Black

Contact: Copper Alloy

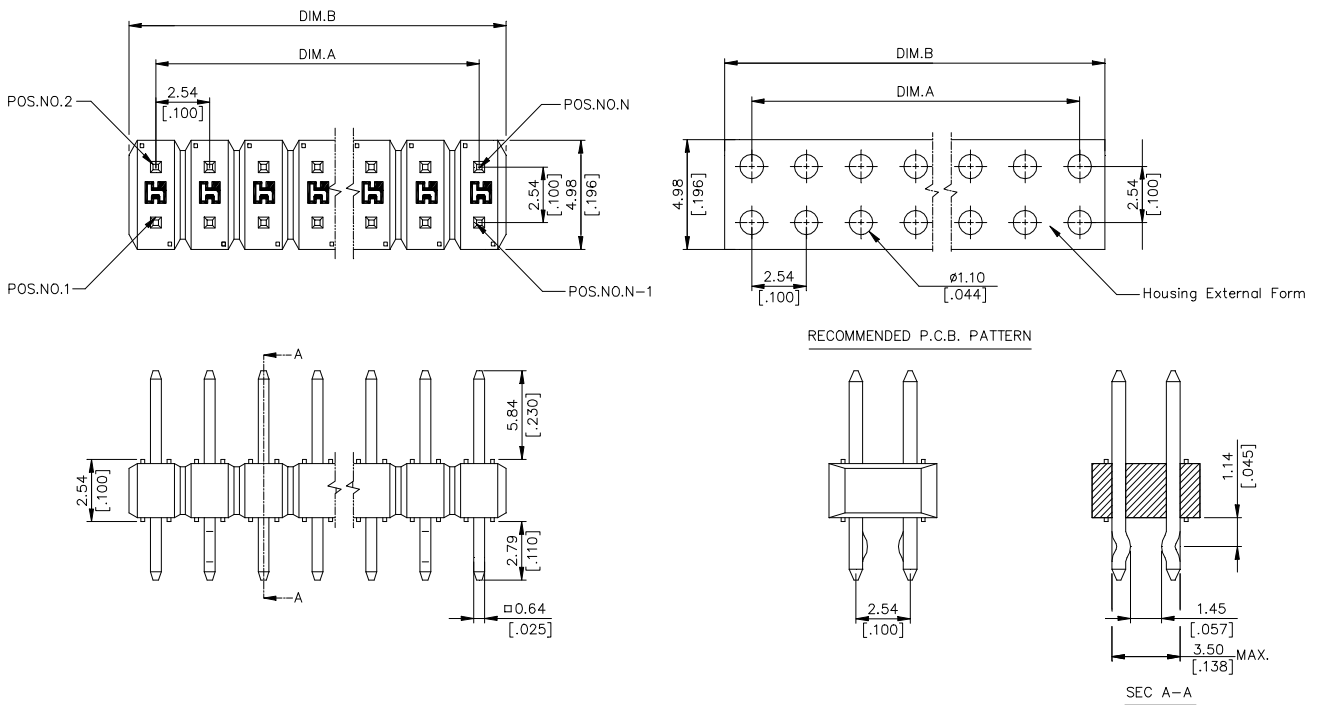
Plating: See "ORDERING INFORMATION"

Solder Pad: Copper Alloy

Operating Temperature: -40 to +105



DRAWING



ORDERING INFORMATION

PRODUCT NO.: HC 1 1 * * * - * * *

Breakaway Header Series

Termination & Contact Type

No. Of Pos

- 1=2 Pos
-
-
-
- 40=80 Pos

Optional For Housing Color
See DWG. 307-0000-209

Position Omitted
See DWG. 307-0000-209

Optional For Kinks
See DWG. 307-0000-209

Optional For Plating

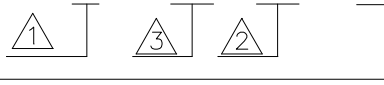
- 0=100u" Tin/Lead over All
- 1=Gold Flash over All
- 7=15u" Gold on Contact Area
- G=Gold Flash on Contact Area
- C=3u" Gold on Contact Area
- U=Gold Flash on Contact Area with Lead Free "RoHS COMPLAINE"
- E=100u" min. Tin with Lead Free "RoHS COMPLAINE"
- V=15u" Gold on Contact Area with Lead Free "RoHS COMPLAINE"

ORDERING INFORMATION

| | | | |
|--------------|------|------------------|------------------|
| HC1120*—**** | 40 | 45.72 [1.900] | 50.55 [1.990] |
| HC1119*—**** | 38 | 45.72 [1.800] | 48.01 [1.890] |
| HC1118*—**** | 36 | 43.18 [1.700] | 45.47 [1.790] |
| HC1117*—**** | 34 | 40.64 [1.600] | 42.93 [1.690] |
| HC1116*—**** | 32 | 38.10 [1.500] | 40.39 [1.590] |
| HC1115*—**** | 30 | 35.46 [1.400] | 37.85 [1.490] |
| HC1114*—**** | 28 | 33.02 [1.300] | 35.31 [1.390] |
| HC1113*—**** | 26 | 30.48 [1.200] | 32.77 [1.290] |
| HC1112*—**** | 24 | 27.94 [1.100] | 30.23 [1.190] |
| HC1111*—**** | 22 | 25.40 [1.000] | 27.69 [1.090] |
| HC1110*—**** | 20 | 22.86 [.900] | 25.15 [.990] |
| HC1109*—**** | 18 | 20.32 [.800] | 22.61 [.890] |
| HC1108*—**** | 16 | 17.78 [.700] | 20.07 [.790] |
| HC1107*—**** | 14 | 15.24 [.600] | 17.53 [.690] |
| HC1106*—**** | 12 | 12.70 [.500] | 14.99 [.590] |
| HC1105*—**** | 10 | 10.16 [.400] | 12.45 [.490] |
| HC1104*—**** | 8 | 7.62 [.300] | 9.91 [.390] |
| HC1103*—**** | 6 | 5.08 [.200] | 7.37 [.290] |
| HC1102*—**** | 4 | 2.54 [.100] | 4.83 [.190] |
| HC1101*—**** | 2 | 0.00 [0.00] | 2.29 [.090] |
| P/N | POS. | DIM. A | DIM. B |

| | | | |
|--------------|------|------------------|-------------------|
| HC1140*—**** | 80 | 99.06 [3.900] | 101.35 [3.990] |
| HC1139*—**** | 78 | 96.52 [3.800] | 98.81 [3.890] |
| HC1138*—**** | 76 | 93.98 [3.700] | 96.27 [3.790] |
| HC1137*—**** | 74 | 91.44 [3.600] | 93.73 [3.690] |
| HC1136*—**** | 72 | 88.90 [3.500] | 91.19 [3.590] |
| HC1135*—**** | 70 | 86.36 [3.400] | 88.65 [3.490] |
| HC1134*—**** | 68 | 83.82 [3.300] | 86.11 [3.390] |
| HC1133*—**** | 66 | 81.28 [3.200] | 83.57 [3.290] |
| HC1132*—**** | 64 | 78.74 [3.100] | 81.03 [3.190] |
| HC1131*—**** | 62 | 76.20 [3.000] | 25.15 [3.090] |
| HC1130*—**** | 60 | 73.66 [2.900] | 37.85 [2.990] |
| HC1129*—**** | 58 | 71.12 [2.800] | 35.31 [2.890] |
| HC1128*—**** | 56 | 68.58 [2.700] | 32.77 [2.790] |
| HC1127*—**** | 54 | 66.04 [2.600] | 30.23 [2.690] |
| HC1126*—**** | 52 | 63.50 [2.500] | 27.69 [2.590] |
| HC1125*—**** | 50 | 58.42 [2.400] | 63.25 [2.490] |
| HC1124*—**** | 48 | 55.88 [2.300] | 60.71 [2.390] |
| HC1123*—**** | 46 | 53.34 [2.200] | 58.17 [2.290] |
| HC1122*—**** | 44 | 50.80 [2.100] | 55.63 [2.190] |
| HC1121*—**** | 42 | 48.26 [2.000] | 53.09 [2.090] |
| P/N | POS. | DIM. A | DIM. B |

HCNN NN N – (K) (L) N (NN) NN



| CODE | DESCRIPTION |
|------|---|
| K0 | SAME AS REMARK Δ |
| K1 | PER EDGE WITH KINK. |
| K3 | SAME AS REMARK Δ |
| K7 | PER 7th PIN WITH KINK. |
| 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. |
| T1 | 1st & END PINS WITH KINK, 2nd POSITION 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 | 9th 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. |
| 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 |
| B0 | 3rd, 4th, 17th, 19th & 20th POSITION OMITTED. |
| B8 | 3rd, 14th, 16th, & 23th 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 |

Remark:

- Δ 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 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.
- Δ 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)
- Δ Optional for tails.
 - None: Standard product, Tail length is 2.15mm
 - L: tail length is 3.10mm.