



RECOMMENDED PCB LAYOUT FOR EVEN NUMBERS (TOP VIEW)

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.

CONTACT: COPPER ALLOY.

PLATING: MATING AREA - GOLD FLASH GOLD OVER NICKEL.
SOLDER AREA - TIN OVER NICKEL.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.

CURRENT RATING: 1 AMP.

DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz
FOR 1 MINUTE.

INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.

CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.

INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.

WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

| PIN | DIMENSION | | | PIN | DIMENSION | | |
|-----|-----------|-------|-------|-----|-----------|--------|--------|
| | A | B | C | | A | B | C |
| 10 | 9.60 | 7.62 | 5.08 | 56 | 38.81 | 36.83 | 34.29 |
| 12 | 10.87 | 8.89 | 6.35 | 60 | 41.35 | 39.37 | 36.83 |
| 18 | 14.68 | 12.70 | 10.16 | 62 | 42.62 | 40.64 | 38.10 |
| 20 | 15.95 | 13.97 | 11.43 | 64 | 43.89 | 41.91 | 39.37 |
| 22 | 17.22 | 15.24 | 12.70 | 68 | 46.43 | 44.45 | 41.91 |
| 28 | 21.03 | 19.05 | 16.51 | 70 | 47.70 | 45.72 | 43.18 |
| 30 | 22.30 | 20.32 | 17.78 | 72 | 48.97 | 46.99 | 44.45 |
| 32 | 23.57 | 21.59 | 19.05 | 80 | 54.05 | 52.07 | 49.53 |
| 34 | 24.84 | 22.86 | 20.32 | 90 | 60.40 | 58.42 | 55.88 |
| 36 | 26.11 | 24.13 | 21.59 | 98 | 65.48 | 63.50 | 60.96 |
| 38 | 27.38 | 25.40 | 22.86 | 100 | 66.75 | 64.77 | 62.23 |
| 40 | 28.65 | 26.67 | 24.13 | 110 | 73.10 | 71.12 | 68.58 |
| 42 | 29.92 | 27.94 | 25.40 | 112 | 74.37 | 72.39 | 69.85 |
| 44 | 31.19 | 29.21 | 26.67 | 120 | 79.45 | 77.47 | 74.93 |
| 46 | 32.46 | 30.48 | 27.94 | 124 | 81.99 | 80.01 | 77.47 |
| 48 | 33.73 | 31.75 | 29.21 | 164 | 107.39 | 105.41 | 102.87 |
| 50 | 35.00 | 33.02 | 30.48 | 184 | 120.09 | 118.11 | 115.57 |

RoHS Compliant

TOLERANCES ARE

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PCB CONNECTORS
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DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm SCALE 1 : 1

DATE

SIZE A4

X, ±
.X ±
.XX ±
.XXX ±
ANG ±

PJECTION

照片框

ORDER INFORMATION

HES-D-xxx-LF
SERIES | LEADFREE
010~184WAY
DIP 180°

DESCRIPTION: 1.27 PITCH CARD EDGE ROW GAP 1.90mm