# .100″ x .100″ Pin Strip Header
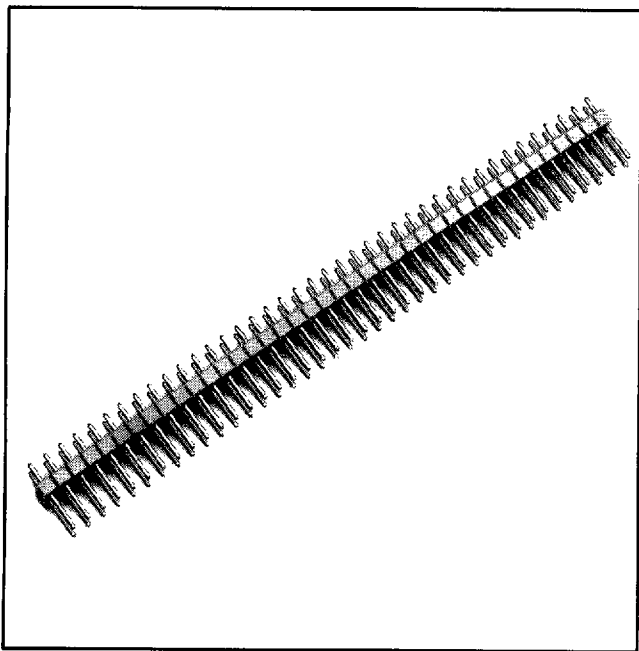
Straight Solder Tail

- Break to length for faster delivery, lower inventory costs, and faster prototyping
- Bullet nose pin tip does not cut the socket wipe during insertion reducing operational failures and repairs
- Solder standoffs are easy to wash of flux residue reducing costly rework
- Board pin retention feature available

59

TS-0346-13
Sheet 1 of 2

## Physical

**Insulation**
Material: Glass Filled Polyester (PBT)
Flammability: UL 94V-0
Color: Gray

**Contact**
Material: Phosphor Bronze (C510)
Plating
Underplate: 100 μ″ [ 2.54 μm ] Nickel — QQ-N-290, Class 2
Wiping Area: Gold — MIL-G-45204, Type II, Grade C
Solder Tails: 200 μ″ [ 5.08 μm ] 90/10 Tin Lead — MIL-P-81728

## Electrical

Current Rating: 3 A
Insulation Resistance: $>1 \times 10^9 \ \Omega$ at 500 Vdc
Withstanding Voltage: 1000 Vac at Sea Level

## Environmental

Temperature Rating: –55°C to +105°C

UL File No.: E68080
CSA File No.: LR 40971

■ 9005413 0000160 445 ■

158

For technical, sales or ordering information call
**800-225-5373**

# .100″ x .100″ Pin Strip Header
## Straight Solder Tail

Sheet 2 of 2

TS-0346-13

C +.020 −.005
(See Note 1)

.196 [ 4.98 ]

.04 [ 1.0 ]

.100 [ 2.54 ]

.100 [ 2.54 ]

.048 [ 1.22 ]

.025 Sq [ 0.64 ]

A ± .008

.100 [ 2.54 ]

B ± .008

.015 ± .002 [ 0.38 ]
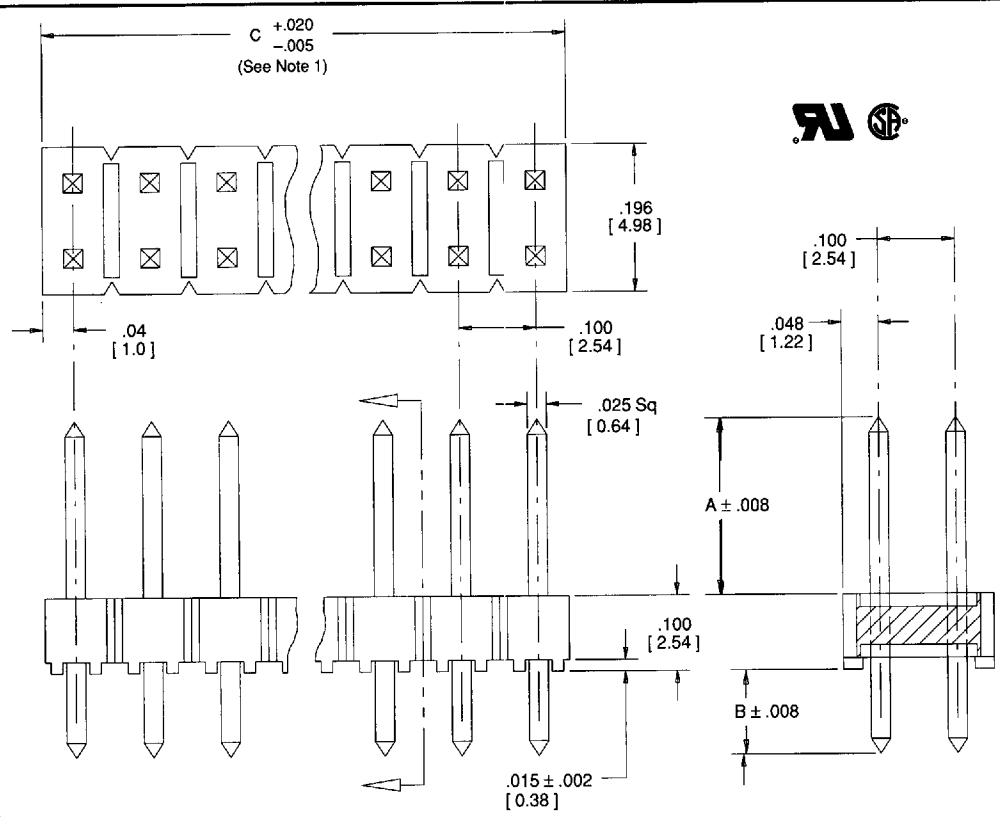
| Contact Qty | Dimension C |
|---|---|
| 02 | 0.09 [ 2.3 ] |
| 04 | 0.19 [ 4.8 ] |
| 06 | 0.29 [ 7.4 ] |
| 08 | 0.39 [ 9.9 ] |
| 10 | 0.49 [ 12.4 ] |
| 12 | 0.59 [ 15.0 ] |
| 14 | 0.69 [ 17.5 ] |
| 16 | 0.79 [ 20.1 ] |
| 18 | 0.89 [ 22.6 ] |
| 20 | 0.99 [ 25.1 ] |
| 22 | 1.09 [ 27.7 ] |
| 24 | 1.19 [ 30.2 ] |
| 26 | 1.29 [ 32.8 ] |
| 28 | 1.39 [ 35.3 ] |
| 30 | 1.49 [ 37.8 ] |
| 32 | 1.59 [ 40.4 ] |
| 34 | 1.69 [ 42.9 ] |
| 36 | 1.79 [ 45.5 ] |
| 38 | 1.89 [ 48.0 ] |
| 40 | 1.99 [ 50.5 ] |
| 42 | 2.09 [ 53.1 ] |
| 44 | 2.19 [ 55.6 ] |
| 46 | 2.29 [ 58.2 ] |
| 48 | 2.39 [ 60.7 ] |
| 50 | 2.49 [ 63.2 ] |
| 52 | 2.59 [ 65.8 ] |
| 54 | 2.69 [ 68.3 ] |
| 56 | 2.79 [ 70.9 ] |
| 58 | 2.89 [ 73.4 ] |
| 60 | 2.99 [ 75.9 ] |
| 62 | 3.09 [ 78.5 ] |
| 64 | 3.19 [ 81.0 ] |
| 66 | 3.29 [ 83.6 ] |
| 68 | 3.39 [ 86.1 ] |
| 70 | 3.49 [ 88.6 ] |
| 72 | 3.59 [ 91.2 ] |
| 74 | 3.69 [ 93.7 ] |
| 76 | 3.79 [ 96.3 ] |
| 78 | 3.89 [ 98.8 ] |
| 80 | 3.98 [ 101.1 ] |

### Recommended Mounting Hole Pattern

Ø .035 ± .003 ( See Note 2 ) [ 0.89 ]

1.00 ± .003 [ 2.54 ]

1.00 ± .003 [ 2.54 ]

### Pin Cross-Section

R .0075 Ref [ 0.190 ]

.028 ± .001 [ 0.71 ]

.0245 ± .0005 [ 0.622 ]
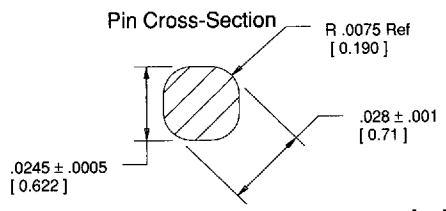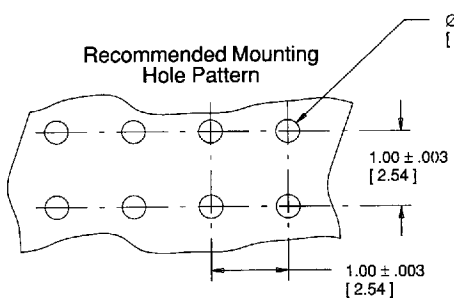
Inch [mm]

| Tolerance Unless Noted | | | |
|---|---|---|---|
| | .0 | .00 | .000 |
| Inch | ± .1 | ± .01 | ± .005 |

[  ] Dimensions for Reference Only

Notes:
1. This part is molded in the 40 contact quantity version. Parts that require fewer contacts are broken to length. Dimension "C" is measured from a "Molded End" to the "Center of the Break Point" beyond the desired quantity. On Pin Strips, which have break points on both ends, "C" = .100″ x contact quantity.

2. The recommended PCB hole size for the kinked tail positions on the .112″ solder tail connector is .035″ ± .002.

## Ordering Information

24XX-6XXX TX

Contact Quantity
See Table

Pin Length (Dim. A)
1 = .235″
2 = .318″

Tail
22 = .112″ Solder Tails
23 = .155″ Solder Tails
72 = .112″ Kinked Solder Tails
(for Pos. 6 thru 80)

Plating
G = 10 μ″ Gold-90/10 Tin
B = 30 μ″ Gold-90/10 Tin