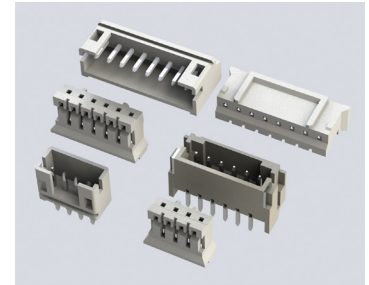


Wire to Board Connectors

Features:

- 0.079" (2.00mm) contact spacing
- For use with PC board thickness: 0.047" (1.2mm) ~ 0.062" (1.6mm)
- Low profile insulator body, 0.185" (4.7mm) width 0.240" (6.10mm) Height
- Contact termination options include: P.C. tail, surface mount
- Top entry or side entry configurations
- Board retention contacts available
- Designed for high-density connection of internal wires to PCB

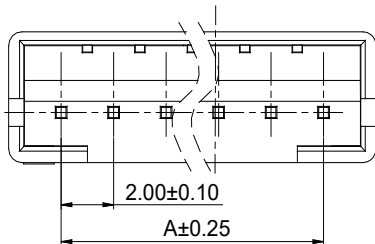


Specifications:

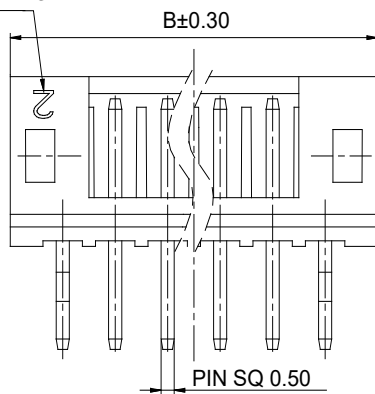
| | | |
|---------------------------------|-------------------------------|---|
| Insulator Material | PA66, UL94V-0, Natural Color | |
| Contact Material | Brass (For Male Header) | Phosphor Bronze (For Female Contact) |
| Contact Plating | Tin Plating (For Male Header) | Tin Plating, Copper Underplating (For Female Contact) |
| Current Rating | 2 amps | |
| Voltage Rating | 100 V | |
| Contact Resistance | Initial: 10 milliohms maximum | |
| Dielectric Withstanding Voltage | 800 V AC rms | |
| Insulation Resistance | 1000 megaohms minimum | |
| Operating Temperature | -40°C to +105°C | |
| Applicable Wire | AWG #30~#24 | |

Through-Hole Type Header:

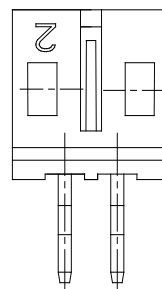
TOP ENTRY



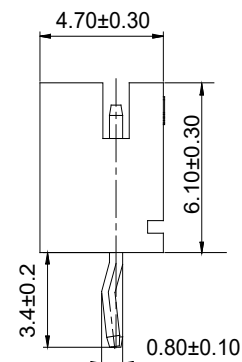
CAVITY NO.



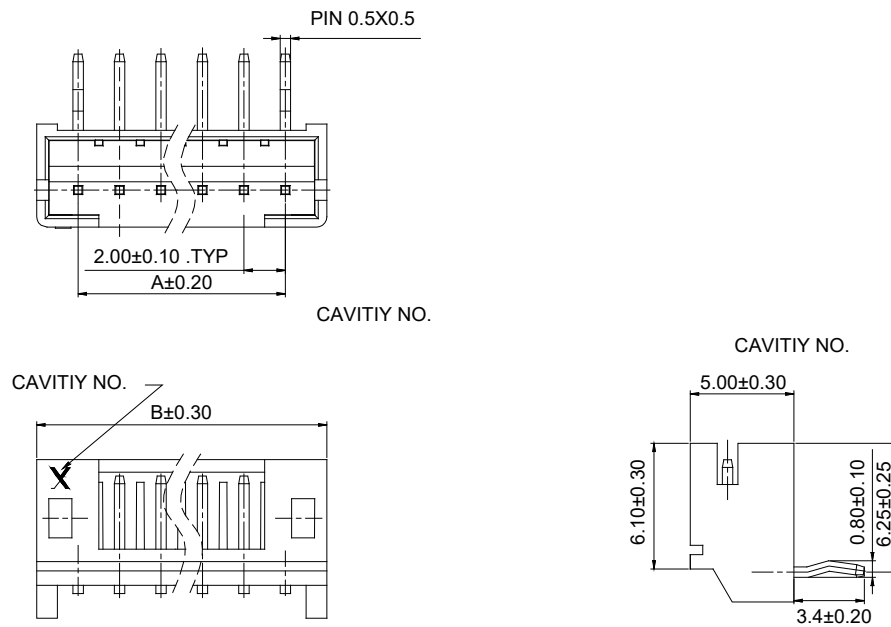
3P~16P



2P

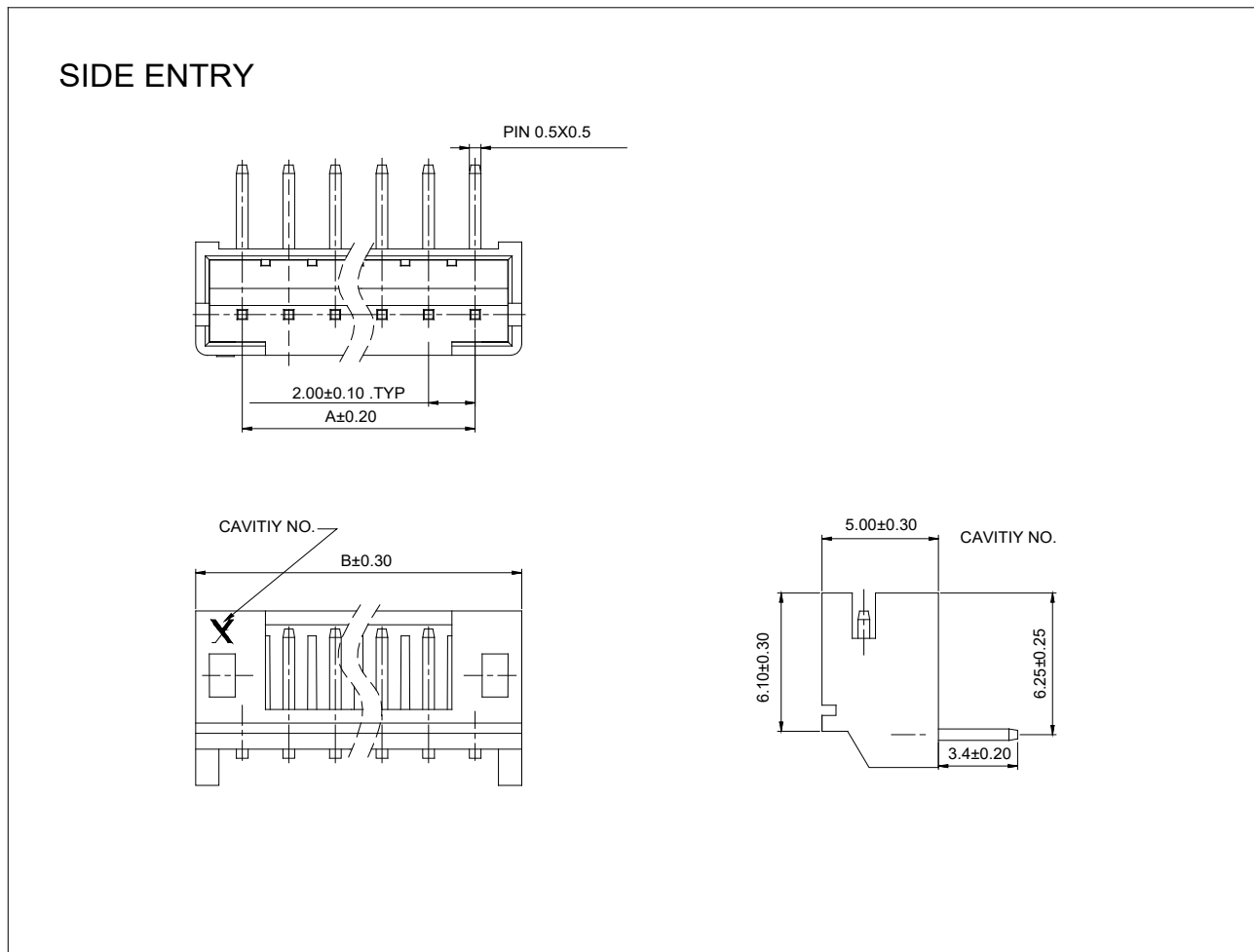
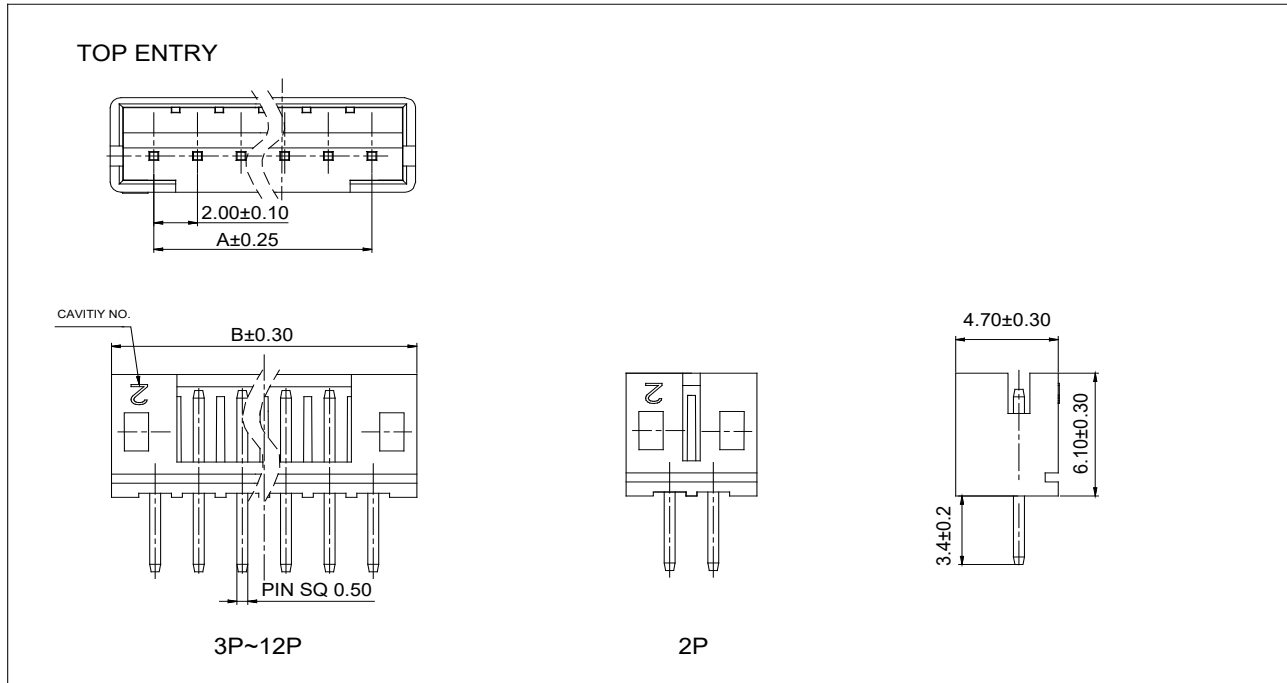


SIDE ENTRY



| No.of Circuits | Top Entry | Side Entry | | |
|----------------|-----------------|-----------------|-------|-------|
| | EDAC P/N | EDAC P/N | Dim A | Dim B |
| 2 | 140-502-415-001 | 140-502-415-000 | 2.00 | 6.00 |
| 3 | 140-503-415-001 | 140-503-415-000 | 4.00 | 8.00 |
| 4 | 140-504-415-001 | 140-504-415-000 | 6.00 | 10.00 |
| 5 | 140-505-415-001 | 140-505-415-000 | 8.00 | 12.00 |
| 6 | 140-506-415-001 | 140-506-415-000 | 10.00 | 14.00 |
| 7 | 140-507-415-001 | 140-507-415-000 | 12.00 | 16.00 |
| 8 | 140-508-415-001 | 140-508-415-000 | 14.00 | 18.00 |
| 9 | 140-509-415-001 | 140-509-415-000 | 16.00 | 20.00 |
| 10 | 140-510-415-001 | 140-510-415-000 | 18.00 | 22.00 |
| 11 | 140-511-415-001 | 140-511-415-000 | 20.00 | 24.00 |
| 12 | 140-512-415-001 | 140-512-415-000 | 22.00 | 26.00 |

Through-Hole Header:

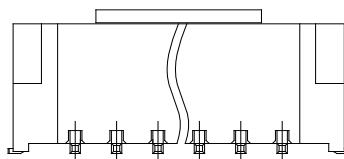
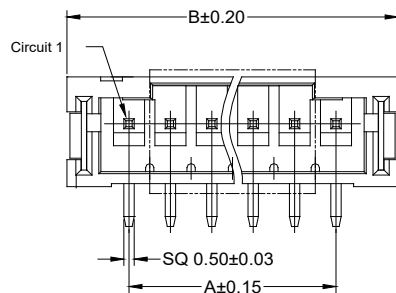


Through-Hole Header:

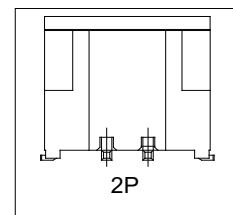
| No. of Circuits | Top Entry | Side Entry | | |
|-----------------|-----------------|-----------------|-------|-------|
| | EDAC P/N | EDAC P/N | Dim A | Dim B |
| 2 | 140-502-415-101 | 140-502-415-100 | 2.00 | 6.00 |
| 3 | 140-503-415-101 | 140-503-415-100 | 4.00 | 8.00 |
| 4 | 140-504-415-101 | 140-504-415-100 | 6.00 | 10.00 |
| 5 | 140-505-415-101 | 140-505-415-100 | 8.00 | 12.00 |
| 6 | 140-506-415-101 | 140-506-415-100 | 10.00 | 14.00 |
| 7 | 140-507-415-101 | 140-507-415-100 | 12.00 | 16.00 |
| 8 | 140-508-415-101 | 140-508-415-100 | 14.00 | 18.00 |
| 9 | 140-509-415-101 | 140-509-415-100 | 16.00 | 20.00 |
| 10 | 140-510-415-101 | 140-510-415-100 | 18.00 | 22.00 |
| 11 | 140-511-415-101 | 140-511-415-100 | 20.00 | 24.00 |
| 12 | 140-512-415-101 | 140-512-415-100 | 22.00 | 26.00 |

SMT Header:

TOP ENTRY



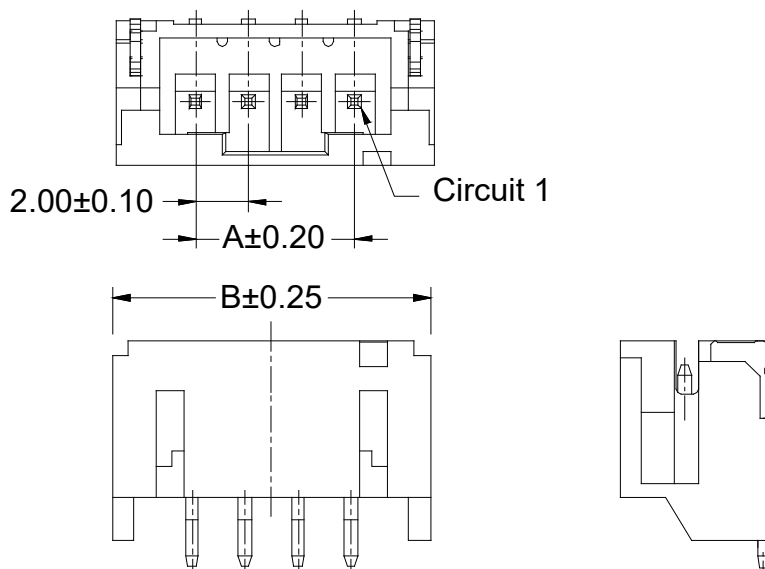
3P-16P



2P

SMT Header:

SIDE ENTRY

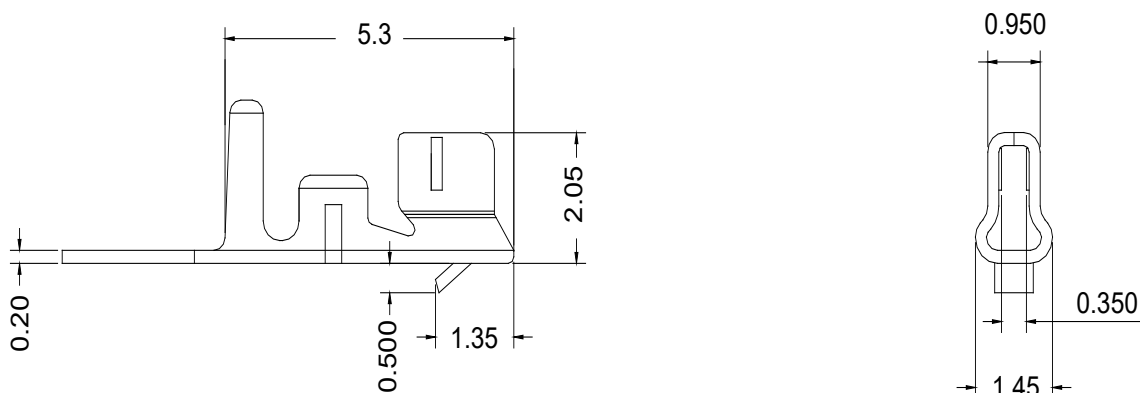


| No. of Circuits | Top Entry | Side Entry | | |
|-----------------|-----------------|-----------------|------------|------------|
| | EDAC P/N | EDAC P/N | Dim A (mm) | Dim B (mm) |
| 2 | 140-502-417-011 | 140-502-417-060 | 2.0 | 8.0 |
| 3 | 140-503-417-011 | 140-503-417-060 | 4.0 | 10.0 |
| 4 | 140-504-417-011 | 140-504-417-060 | 6.0 | 12.0 |
| 5 | 140-505-417-011 | 140-505-417-060 | 8.0 | 14.0 |
| 6 | 140-506-417-011 | 140-506-417-060 | 10.0 | 16.0 |
| 7 | 140-507-417-011 | 140-507-417-060 | 12.0 | 18.0 |
| 8 | 140-508-417-011 | 140-508-417-060 | 14.0 | 20.0 |
| 9 | 140-509-417-011 | 140-509-417-060 | 16.0 | 22.0 |
| 10 | 140-510-417-011 | 140-510-417-060 | 18.0 | 24.0 |
| 11 | 140-511-417-011 | 140-511-417-060 | 20.0 | 26.0 |
| 12 | 140-512-417-011 | 140-512-417-060 | 22.0 | 28.0 |
| 13 | 140-513-417-011 | 140-513-417-060 | 24.0 | 30.0 |
| 14 | 140-514-417-011 | 140-514-417-060 | 26.0 | 32.0 |
| 15 | 140-515-417-011 | 140-515-417-060 | 28.0 | 34.0 |
| 16 | 140-516-417-011 | N/A | 30.0 | 36.0 |

Socket Housing:

| | | | | |
|--|-----------------|-----------------|------------|------------|
| | No. of Circuits | EDAC P/N | Dim A (mm) | Dim B (mm) |
| | 2 | 140-502-210-011 | 2.00 | 5.80 |
| | 3 | 140-503-210-011 | 4.00 | 7.80 |
| | 4 | 140-504-210-011 | 6.00 | 9.80 |
| | 5 | 140-505-210-011 | 8.00 | 11.80 |
| | 6 | 140-506-210-011 | 10.00 | 13.80 |
| | 7 | 140-507-210-011 | 12.00 | 15.80 |
| | 8 | 140-508-210-011 | 14.00 | 17.80 |
| | 9 | 140-509-210-011 | 16.00 | 19.80 |
| | 10 | 140-510-210-011 | 18.00 | 21.80 |
| | 11 | 140-511-210-011 | 20.00 | 23.80 |
| | 12 | 140-512-210-011 | 22.00 | 25.80 |
| | 13 | 140-513-210-011 | 24.00 | 27.80 |
| | 14 | 140-514-210-011 | 26.00 | 29.80 |
| | 15 | 140-515-210-011 | 28.00 | 31.80 |
| | 16 | 140-516-210-011 | 30.00 | 33.80 |

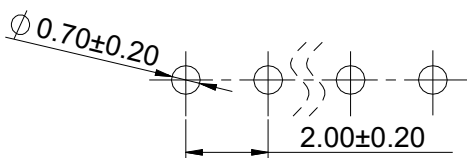
Contact:



| EDAC P/N | Wire Range | Insulation O.D | Material |
|-------------|------------|----------------|-----------------|
| 140-941-290 | 24-30AWG | 1.50 MAX. | Phosphor Bronze |

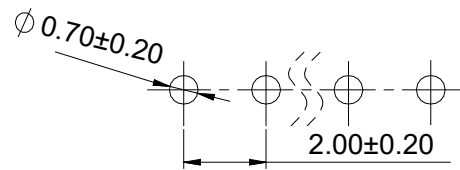
PCB Layout:

Through hole top entry



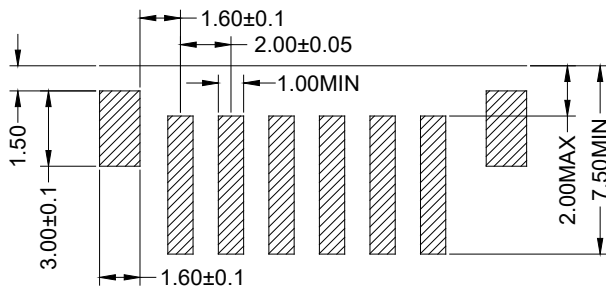
Recommended PCB Layout
 PCB Thickness: 1.20~1.60mm
 Tolerance: ± 0.05

Through hole side entry



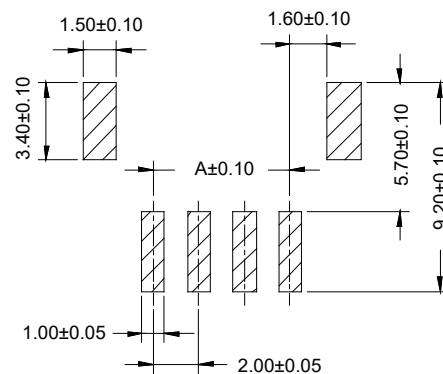
Recommended PCB Layout
 PCB Thickness: 1.20~1.60mm
 Tolerance: ± 0.05

SMT top entry



Recommended PCB Layout
 PCB Thickness: 1.20~1.60mm
 Tolerance: ± 0.05

SMT side entry



Recommended PCB Layout
 PCB Thickness: 1.20~1.60mm
 Tolerance: ± 0.05