

.050" Headers

SERIES 5016

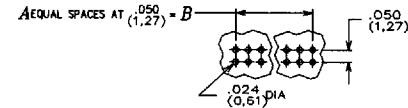
Through-Hole Mount Standard Profile Vertical

| NUMBER OF POSITIONS | PART NUMBER | A | B | C |
|---------------------|---------------------|----|-------------------|------------------|
| 4 | 10-5016-2004-10-001 | 1 | .050 (1,27) | .100 (2,54) |
| 6 | 10-5016-2006-10-001 | 2 | .100 (2,54) | .150 (3,81) |
| 8 | 10-5016-2008-10-001 | 3 | .150 (3,81) | .200 (5,08) |
| 10 | 10-5016-2010-10-001 | 4 | .200 (5,08) | .250 (6,35) |
| 12 | 10-5016-2012-10-001 | 5 | .250 (6,35) | .300 (7,62) |
| 14 | 10-5016-2014-10-001 | 6 | .300 (7,62) | .350 (8,892) |
| 16 | 10-5016-2016-10-001 | 7 | .350 (8,892) | .400 (10,16) |
| 18 | 10-5016-2018-10-001 | 8 | .400 (10,16) | .450 (11,83) |
| 20 | 10-5016-2020-10-001 | 9 | .450 (11,83) | .500 (12,70) |
| 22 | 10-5016-2022-10-001 | 10 | .500 (12,70) | .550 (13,97) |
| 24 | 10-5016-2024-10-001 | 11 | .550 (13,97) | .600 (15,24) |
| 26 | 10-5016-2026-10-001 | 12 | .600 (15,24) | .650 (16,51) |
| 28 | 10-5016-2028-10-001 | 13 | .650 (16,51) | .700 (17,78) |
| 30 | 10-5016-2030-10-001 | 14 | .700 (17,78) | .750 (19,05) |
| 32 | 10-5016-2032-10-001 | 15 | .750 (19,05) | .800 (20,32) |
| 34 | 10-5016-2034-10-001 | 16 | .800 (20,32) | .850 (21,59) |
| 36 | 10-5016-2036-10-001 | 17 | .850 (21,59) | .900 (22,86) |
| 38 | 10-5016-2038-10-001 | 18 | .900 (22,86) | .950 (24,19) |
| 40 | 10-5016-2040-10-001 | 19 | .950 (24,19) | 1.000 (25,40) |
| 42 | 10-5016-2042-10-001 | 20 | 1.000 (25,408) | 1.050 (26,67) |
| 44 | 10-5016-2044-10-001 | 21 | 1.050 (26,67) | 1.100 (27,94) |
| 46 | 10-5016-2046-10-001 | 22 | 1.100 (27,94) | 1.150 (29,21) |
| 48 | 10-5016-2048-10-001 | 23 | 1.150 (29,21) | 1.200 (30,48) |
| 50 | 10-5016-2050-10-001 | 24 | 1.200 (30,48) | 1.250 (31,75) |

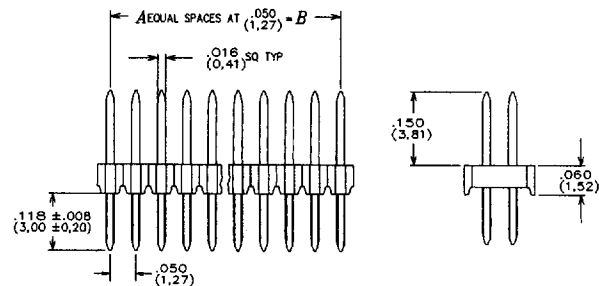
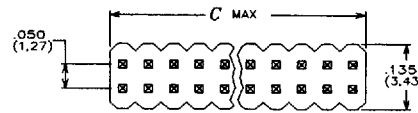
Contact factory for additional sizes.

| NUMBER OF POSITIONS | PART NUMBER | A | B | C |
|---------------------|---------------------|----|-------------------|------------------|
| 4 | 11-5016-2004-10-001 | 1 | .050 (1,27) | .100 (2,54) |
| 6 | 11-5016-2006-10-001 | 2 | .100 (2,54) | .150 (3,81) |
| 8 | 11-5016-2008-10-001 | 3 | .150 (3,81) | .200 (5,08) |
| 10 | 11-5016-2010-10-001 | 4 | .200 (5,08) | .250 (6,35) |
| 12 | 11-5016-2012-10-001 | 5 | .250 (6,35) | .300 (7,62) |
| 14 | 11-5016-2014-10-001 | 6 | .300 (7,62) | .350 (8,892) |
| 16 | 11-5016-2016-10-001 | 7 | .350 (8,892) | .400 (10,16) |
| 18 | 11-5016-2018-10-001 | 8 | .400 (10,16) | .450 (11,83) |
| 20 | 11-5016-2020-10-001 | 9 | .450 (11,83) | .500 (12,70) |
| 22 | 11-5016-2022-10-001 | 10 | .500 (12,70) | .550 (13,97) |
| 24 | 11-5016-2024-10-001 | 11 | .550 (13,97) | .600 (15,24) |
| 26 | 11-5016-2026-10-001 | 12 | .600 (15,24) | .650 (16,51) |
| 28 | 11-5016-2028-10-001 | 13 | .650 (16,51) | .700 (17,78) |
| 30 | 11-5016-2030-10-001 | 14 | .700 (17,78) | .750 (19,05) |
| 32 | 11-5016-2032-10-001 | 15 | .750 (19,05) | .800 (20,32) |
| 34 | 11-5016-2034-10-001 | 16 | .800 (20,32) | .850 (21,59) |
| 36 | 11-5016-2036-10-001 | 17 | .850 (21,59) | .900 (22,86) |
| 38 | 11-5016-2038-10-001 | 18 | .900 (22,86) | .950 (24,19) |
| 40 | 11-5016-2040-10-001 | 19 | .950 (24,19) | 1.000 (25,40) |
| 42 | 11-5016-2042-10-001 | 20 | 1.000 (25,408) | 1.050 (26,67) |
| 44 | 11-5016-2044-10-001 | 21 | 1.050 (26,67) | 1.100 (27,94) |
| 46 | 11-5016-2046-10-001 | 22 | 1.100 (27,94) | 1.150 (29,21) |
| 48 | 11-5016-2048-10-001 | 23 | 1.150 (29,21) | 1.200 (30,48) |
| 50 | 11-5016-2050-10-001 | 24 | 1.200 (30,48) | 1.250 (31,75) |

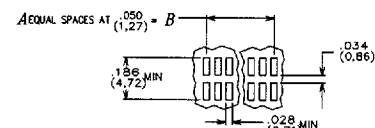
Contact factory for additional sizes.



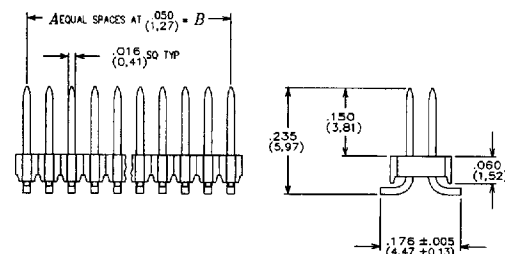
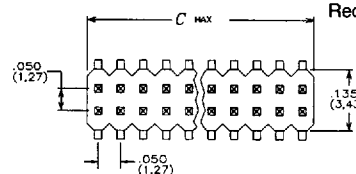
Recommended P.C. Board Layout



Surface Mount Standard Profile Vertical



Recommended P.C. Board Layout



D 04F ■ 5293006 0003645 160 ■

Torsion .050" & 2 mm Centerline Headers & Receptacles

Product Specifications:

- **Contact Stress** - 150 K PSI min.
- **Insertion Force** - 6 oz. max., (1.67 newtons)
- **Withdrawal Force** - .75 oz. min. (.21 newtons)
- **Contact Resistance** - 20 milliohms initial
- **Dielectric Withstanding Voltage** - 1000 VAC
- **Current Rating** - 1 amp max.
- **Durability** - 50 cycles
- **Operating Temperature** - -55°C to +105°C
- **Insulation Resistance** - 1000 megohms min.

Other Features & Benefits:

- **High Speed Pick & Place Packaging** available
- **Low Profile**
- **Plastic Contact Lead-In** for ease of insertion
- **Early and Long Contact Wipe**
- **Two-Piece Interconnection System** for high reliability
- **Low Insertion Force and High Normal Force Contacts** for large number of pin-outs and interface reliability
- **High Temperature Insulator Material** accommodates reflow soldering temperatures
- **Gold Plating** 15 μ " (0,38 micrometers) on mating surfaces

Applications:

- **Data** - computers, hard disk drives, peripherals
- **Telecommunications** - cellular mobile phones, central office
- **Medical** - mobile and stationary diagnostics
- **Utilities** - hand-held equipment

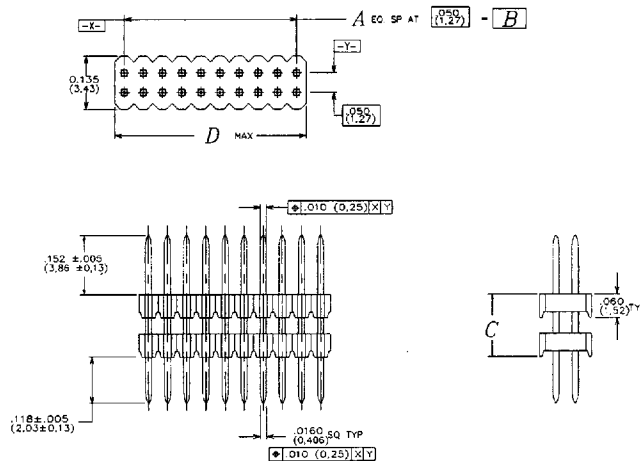


.050" & 2 mm Stacking Headers

Through-Hole Mount
Vertical

| NUMBER OF POSITIONS | A | B | D |
|---------------------|----|-------------------|------------------|
| 4 | 1 | .050 (1,27) | .100 (2,54) |
| 6 | 2 | .100 (2,54) | .150 (3,81) |
| 8 | 3 | .150 (3,81) | .200 (5,08) |
| 10 | 4 | .200 (5,08) | .250 (6,35) |
| 12 | 5 | .250 (6,35) | .300 (7,62) |
| 14 | 6 | .300 (7,62) | .350 (8,892) |
| 16 | 7 | .350 (8,892) | .400 (10,16) |
| 18 | 8 | .400 (10,16) | .450 (11,83) |
| 20 | 9 | .450 (11,83) | .500 (12,70) |
| 22 | 10 | .500 (12,70) | .550 (13,97) |
| 24 | 11 | .550 (13,97) | .600 (15,24) |
| 26 | 12 | .600 (15,24) | .650 (16,51) |
| 28 | 13 | .650 (16,51) | .700 (17,78) |
| 30 | 14 | .700 (17,78) | .750 (19,05) |
| 32 | 15 | .750 (19,05) | .800 (20,32) |
| 34 | 16 | .800 (20,32) | .850 (21,59) |
| 36 | 17 | .850 (21,59) | .900 (22,86) |
| 38 | 18 | .900 (22,86) | .950 (24,19) |
| 40 | 19 | .950 (24,19) | 1.000 (25,40) |
| 42 | 20 | 1.000 (25,409) | 1.050 (26,67) |
| 44 | 21 | 1.050 (26,67) | 1.100 (27,94) |
| 46 | 22 | 1.100 (27,94) | 1.150 (29,21) |
| 48 | 23 | 1.150 (29,21) | 1.200 (30,48) |
| 50 | 24 | 1.200 (30,48) | 1.250 (31,75) |

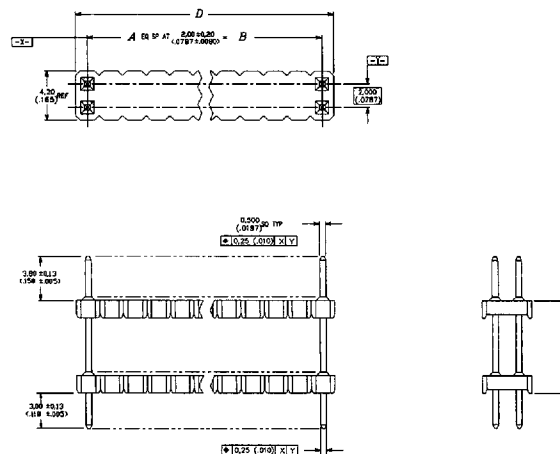
.050"
inches (millimeters)



ELCO stacking headers provide flexibility and control in board spacing. Contact the factory for available stack heights (Dimension C) and pin lengths.

| NUMBER OF POSITIONS | A | B | D |
|---------------------|----|-------------------|------------------|
| 6 | 2 | 4,00 (1,1575) | 6,00 (1,236) |
| 8 | 3 | 6,00 (1,2362) | 8,00 (1,315) |
| 10 | 4 | 8,00 (1,3150) | 10,00 (1,394) |
| 12 | 5 | 10,00 (1,3937) | 12,00 (1,472) |
| 14 | 6 | 12,00 (1,4724) | 14,00 (1,551) |
| 16 | 7 | 14,00 (1,5512) | 16,00 (1,630) |
| 18 | 8 | 16,00 (1,6299) | 18,00 (1,709) |
| 20 | 9 | 18,00 (1,7087) | 20,00 (1,787) |
| 22 | 10 | 20,00 (1,7874) | 22,00 (1,866) |
| 24 | 11 | 22,00 (1,8661) | 24,00 (1,945) |
| 26 | 12 | 24,00 (1,9449) | 26,00 (1,024) |
| 28 | 13 | 26,00 (1,0236) | 28,00 (1,102) |
| 30 | 14 | 28,00 (1,1024) | 30,00 (1,181) |
| 32 | 15 | 30,00 (1,1811) | 32,00 (1,260) |
| 34 | 16 | 32,00 (1,2598) | 34,00 (1,339) |
| 36 | 17 | 34,00 (1,3386) | 36,00 (1,417) |
| 38 | 18 | 36,00 (1,4173) | 38,00 (1,496) |
| 40 | 19 | 38,00 (1,4961) | 40,00 (1,575) |
| 42 | 20 | 40,00 (1,5748) | 42,00 (1,653) |
| 44 | 21 | 42,00 (1,6535) | 44,00 (1,732) |
| 46 | 22 | 44,00 (1,7323) | 46,00 (1,811) |
| 48 | 23 | 46,00 (1,8110) | 48,00 (1,890) |
| 50 | 24 | 48,00 (1,8898) | 50,00 (1,969) |

2 mm
millimeters (inches)



D 04F 5293006 0003649 806