

# PART NUMBER CREATOR

for standard version

**3 003W3 S X X 6 1 A 1 0 X**

**Product Line**

- 3 = Shell steel tin plated
- 1 = Brass tin plated\*
- 5 = Shell yellow chromated\* (not RoHS compliant)
- A = Stainless steel\* \*on request

**Shell size and design**

- 1 = 5W1, 2W2C
- 2 = 3W3, 7W2, 11W1, 3W3C
- 3 = 5W5, 9W4, 13W3, 17W2, 21W1
- 4 = 8W8, 13W6, 17W5, 21WA4, 25W3, 27W2
- 5 = 24W7, 36W4, 43W2, 47W1 Empty positions ADD „0“ = 003W3

**Contact type**

- P = Plug connector
- S = Socket connector

**Surface/Quality class for SIGNAL contacts**

- A = Quality class 3 = 50 mating cycles
- B = Quality class 2 = 200 mating cycles\*
- C = Quality class 1 = 500 mating cycles
- J = Special application = > 500 mating cycles (on request)\*
- X = Crimp and 3W3, 5W5, 8W8, 2W2C, 3W3C (no contacts are supplied with the connector) \*on request

**Termination only for SIGNAL contacts**

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| <ul style="list-style-type: none"> <li>K = Crimp without contacts</li> <li>M = Solder cup</li> <li>N = Wire wrap, .500" / 12.7 mm</li> <li>P = Press fit</li> <li>R = Solder pin, straight, .220" / 5.6 mm</li> <li>T = Solder pin, angled, .280" / 7.19 mm</li> </ul> | <ul style="list-style-type: none"> <li>U = Solder pin, angled, .370" / 9.40 mm</li> <li>W* = Solder pin, angled, .450" / 11.43 mm</li> <li>X = 3W3, 5W5, 8W8, 2W2C, 3W3C</li> <li>Z* = Solder pin, angled, .540" / 13.84 mm</li> <li>* = please contact us</li> </ul> |
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**Termination for HIGH POWER- or COAXIAL contacts**

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| <p><b>Quality class 3 / Quality class 1</b></p> <ul style="list-style-type: none"> <li>C1 = Solder/Crimp angled 10 A</li> <li>C2 = Solder/Crimp angled 20 A</li> <li>C3 = Solder/Crimp angled 30 A</li> <li>C4 = Solder/Crimp angled 40 A</li> <li>F2,61 / F1,41 = Solder cup 10 A</li> <li>F4,62 / F3,42 = Solder cup 20 A</li> <li>F6,63 / F5,43 = Solder cup 30 A</li> <li>F8,64 / F7,44 = Solder cup 40 A</li> <li>68 / 48 = Solder pin, straight 20 A, D= .077" / 1.95 mm</li> <li>69 / 49 = Solder pin, straight 20 A, D= .102" / 2.60 mm</li> <li>70 / 50 = Solder pin, straight 20 A, D= .110" / 2.85 mm</li> <li>71 / 51 = Solder pin, straight 30 A, D= .130" / 3.18 mm</li> <li>72 / 52 = Solder pin, straight 40 A, D= .150" / 3.75 mm</li> </ul> | <p><b>Quality class 3 / Quality class 1</b></p> <ul style="list-style-type: none"> <li>59 / 55 = Solder pin, angled 15 A</li> <li>73 / 56 = Solder pin, angled 20 A</li> <li>74 / 57 = Solder pin, angled 30 A</li> <li>75 / 58 = Solder pin, angled 40 A</li> <li>77 / 60 = Solder pin, angled 40 A</li> <li>81 / 66 = Solder pin, angled 20 A</li> <li>82 / 67 = Solder pin, angled 30 A</li> <li>85 / 65 = Solder pin, angled 30 A</li> <li>G7 / 76 = 3 Solder pins Straight 50 Ω</li> <li>G9 / 78 = 3 Solder pins angled 50 Ω</li> <li>H1 / 79 = 3 Solder pins angled 50 Ω</li> <li>H4 / 80 = 5 Solder pins angled 50 Ω</li> <li>G8 / 86 = 3 Solder pins Straight 75 Ω</li> </ul> | <p><b>Quality class 3 / Quality class 1</b></p> <ul style="list-style-type: none"> <li>H2 / 88 = 3 Solder pins angled 75 Ω</li> <li>H3 / 89 = 3 Solder pins angled 75 Ω</li> <li>H5 / 90 = 5 Solder pins angled 75 Ω</li> <li>91 = Screw termination 20 A</li> <li>/P1 = press fit 30A</li> <li>/P2 = press fit 30A</li> <li>/P4 = press fit 30A</li> <li>99 = no high power, coax or crimp contacts loaded<br/>Coaxial contacts with cable termination must be ordered separately.</li> </ul> |
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**Mounting style**

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| <ul style="list-style-type: none"> <li>A1 = Riveted</li> <li>A2 = M3 threaded insert</li> <li>A3 = 4-40 UNC threaded insert</li> <li>A4 = M3 threaded rear spacer</li> <li>A5 = 4-40 UNC threaded rear spacer</li> <li>A6 = Float fastening</li> <li>A7 = Threaded rear spacer for M3 press fit</li> <li>A8 = Threaded rear spacer for 4-40 UNC press fit</li> <li>C1 = M3 threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>C2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>C3 = M3 threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>C4 = 4-40 UNC threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>C5 = M3 threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> <li>C6 = 4-40 UNC Threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> <li>D1 = M3 clip and threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>D2 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>D3 = M3 clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>D4 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>D5 = M3 clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> <li>D6 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> <li>E1 = M3 threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>E2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>E3 = M3 threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>E4 = 4-40 UNC threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>E5 = M3 threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> </ul> | <ul style="list-style-type: none"> <li>E6 = 4-40 UNC threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> <li>F1 = M3 clip and threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>F2 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .063" / 1.60 mm</li> <li>F3 = M3 clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>F4 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm</li> <li>F5 = M3 clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> <li>F6 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm</li> <li>G1 = Metal bracket, M3 threaded insert for .370" / 9.40 mm</li> <li>G2 = Metal bracket, 4-40 UNC threaded insert for .370" / 9.40 mm</li> <li>G3 = Metal bracket, M3 threaded insert and clip for .370" / 9.40 mm</li> <li>G4 = Metal bracket, 4-40 UNC threaded insert and clip for .370" / 9.40 mm</li> <li>H1 = Metal bracket, M3 threaded lock for .370" / 9.40 mm</li> <li>H2 = Metal bracket, 4-40 UNC threaded lock for .370" / 9.40 mm</li> <li>H3 = Metal bracket, M3 threaded lock and clip for .370" / 9.40 mm</li> <li>H4 = Metal bracket, 4-40 UNC threaded lock and clip for .370" / 9.40 mm</li> <li>N1 = Metal bracket, M3 threaded insert for .280" / 7.19 mm</li> <li>N2 = Metal bracket, 4-40 UNC threaded insert for .280" / 7.19 mm</li> <li>N3 = Metal bracket, M3 threaded insert and clip for .280" / 7.19 mm</li> <li>N4 = Metal bracket, 4-40 UNC threaded insert and clip for .280" / 7.19 mm</li> <li>P1 = Metal bracket, M3 threaded lock for .280" / 7.19 mm</li> <li>P2 = Metal bracket, 4-40 UNC threaded lock for .280" / 7.19 mm</li> <li>P3 = Metal bracket, M3 threaded lock and clip for .280" / 7.19 mm</li> <li>P4 = Metal bracket, 4-40 UNC threaded lock and clip for .280" / 7.19 mm</li> <li>W1 = Threaded rear spacer with M3 press in pin</li> <li>W2 = Threaded rear spacer with 4-40 UNC press in pin</li> </ul> |
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OX = Standard

# PART NUMBER CREATOR

## for High Density

**3 H19W1 S C M 4 1 A 1 O X**

### Product Line

- 1 = Shell brass tin plated
- 3 = Shell tin plated\*
- 5 = Shell yellow chromated\* (not RoHS compliant)
- A = Shell stainless steel\* \*on request

### Shell size and design

- 2 =19W1
- 3 =15W4
- 4 =45W2 H = High Density

### Contact type

- P = Plug connector
- S = Socket connector

### Quality class for SIGNAL contacts

- A = Quality class 3 = 50 mating cycles
- B = Quality class 2 = 200 mating cycles\*
- C = Quality class 1 = 500 mating cycles
- J = Special application = > 500 mating cycles\* \*on request

### Termination only for SIGNAL contacts

- M = Solder cup
- P = Press-fit\*
- R = Solder pin, straight
- W = Solder pin, angled .450" / 11,43 mm\*
- T = Solder pin, angled .350" / 7,98 mm \*on request

### Termination for HIGH POWER- or COAXIAL contacts

#### Quality class 3/Quality class 1

- F2,61/F1,41 = Solder cup 10 A
- F4,62/F3,42 = Solder cup 20 A
- F6,63/F5,43 = Solder cup 30 A
- F8,64/F7,44 = Solder cup 40 A
- 68/48 = Solder pin, straight 20 A, D= .077"/1.95 mm
- 69/49 = Solder pin, straight 20 A, D= .102"/2.60 mm
- 70/50 = Solder pin, straight 20 A, D= .110"/2.85 mm
- 71/51 = Solder pin, straight 30 A, D= .130"/3.18 mm
- 72/52 = Solder pin, straight 40 A, D= .150"/3.75 mm
- 59/55 = Solder pin, angled 15 A
- 73/56 = Solder pin, angled 20 A
- 74/57 = Solder pin, angled 30 A
- 75/58 = Solder pin, angled 40 A

#### Quality class 3/Quality class 1

- 77/60 = Solder pin, angled 40 A
- 81/66 = Solder pin, angled 20 A
- 82/67 = Solder pin, angled 30 A
- 85/65 = Solder pin, angled 30 A
- G7/76 = 3 Solder pins Straight 50 Ω
- G9/78 = 3 Solder pins angled 50 Ω
- H1/79 = 3 Solder pins angled 50 Ω
- H4/80 = 5 Solder pins angled 50 Ω
- G8/86 = 3 Solder pins Straight 75 Ω
- H2/88 = 3 Solder pins angled 75 Ω
- H3/89 = 3 Solder pins angled 75 Ω
- H5/90 = 5 Solder pins angled 75 Ω
- 91 = Screw termination 20 A

#### Quality class 1

- P1 = press fit 30A
- P2 = press fit 30A
- P4 = press fit 30A
- 99 = no high power, coax or crimp contacts loaded
- Coaxial contacts with cable termination must be ordered separately.

### Mounting style

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| A1 = Riveted   | F3 = M3 clip and threaded rear spacer with PCB clip, PCB .091"/2.30 mm       |
| A2 = M3 threaded insert  | F4 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .091"/2.30 mm |
| A3 = 4-40 UNC threaded insert  | F5 = M3 clip and threaded rear spacer with PCB clip, PCB .126"/3.20 mm       |
| A4 = M3 threaded rear spacer   | F6 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .126"/3.20 mm |
| A5 = 4-40 UNC threaded rear spacer   | G5 = Metal bracket, M3 threaded insert for .350"/7,98 mm                     |
| A6 = Float fastening   | G6 = Metal bracket, 4-40 UNC threaded insert for .350"/7,98 mm               |
| A7 = Threaded rear spacer for M3 press fit                                   | G7 = Metal bracket, M3 threaded insert and Clip for .350"/7,98 mm            |
| A8 = Threaded rear spacer for 4-40 UNC press fit                             | G8 = Metal bracket, 4-40 UNC threaded insert and Clip for .350"/7,98 mm      |
| E1 = M3 threaded rear spacer with PCB clip, PCB .063"/1.60 mm                | H5 = Metal bracket, M3 threaded lock for .350"/7,98 mm                       |
| E2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063"/1.60 mm          | H6 = Metal bracket, 4-40 UNC threaded lock for .350"/7,98 mm                 |
| E3 = M3 threaded rear spacer with PCB clip, PCB .091"/2.30 mm                | H7 = Metal bracket, M3 threaded lock and Clip for .350"/7,98 mm              |
| E4 = 4-40 UNC threaded rear spacer with PCB clip, PCB .091"/2.30 mm          | H8 = Metal bracket, 4-40 UNC threaded lock and Clip for .350"/7,98 mm        |
| E5 = M3 threaded rear spacer with PCB clip, PCB .126"/3.20 mm                | W1 = Threaded rear spacer with M3 press in pin                               |
| E6 = 4-40 UNC threaded rear spacer with PCB clip, PCB .126"/3.20 mm          | W2 = Threaded rear spacer with 4-40 UNC press in pin                         |
| F1 = M3 clip and threaded rear spacer with PCB clip, PCB .063"/1.60 mm       |  |
| F2 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .063"/1.60 mm |  |

- OX = Standard