

# PART NUMBER CREATOR

for standard version

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

<b>Product Line</b> 3 = Shell steel tin plated 1 = Brass tin plated* 5 = Shell yellow chromated* (not RoHS compliant) A = Stainless steel*		*on request	
<b>Shell size and design</b> 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	
<b>Contact type</b> P = Plug connector S = Socket connector			
<b>Surface/Quality class for SIGNAL contacts</b> 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	
<b>Termination only for SIGNAL contacts</b> K = Crimp without contacts M = Solder cup N = Wire wrap, .500" / 12.7 mm P = Press fit R = Solder pin, straight, .220" / 5.6 mm T = Solder pin, angled, .280" / 7.19 mm		U = Solder pin, angled, .370" / 9.40 mm W* = Solder pin, angled, .450" / 11.43 mm X = 3W3, 5W5, 8W8, 2W2C, 3W3C Z* = Solder pin, angled, .540" / 13.84 mm * = please contact us	
<b>Termination for HIGH POWER- or COAXIAL contacts</b>			
<b>Quality class 3 / Quality class 1</b> C1 = Solder/Crimp angled 10 A C2 = Solder/Crimp angled 20 A C3 = Solder/Crimp angled 30 A C4 = Solder/Crimp angled 40 A 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		<b>Quality class 3 / Quality class 1</b> 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 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	
		<b>Quality class 3 / Quality class 1</b> 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 / 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.	
<b>Mounting style</b> A1 = Riveted A2 = M3 threaded insert A3 = 4-40 UNC threaded insert A4 = M3 threaded rear spacer A5 = 4-40 UNC threaded rear spacer A6 = Float fastening A7 = Threaded rear spacer for M3 press fit A8 = Threaded rear spacer for 4-40 UNC press fit C1 = M3 threaded rear spacer with PCB clip, PCB .063" / 1.60 mm C2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063" / 1.60 mm C3 = M3 threaded rear spacer with PCB clip, PCB .091" / 2.30 mm C4 = 4-40 UNC threaded rear spacer with PCB clip, PCB .091" / 2.30 mm C5 = M3 threaded rear spacer with PCB clip, PCB .126" / 3.20 mm C6 = 4-40 UNC Threaded rear spacer with PCB clip, PCB .126" / 3.20 mm D1 = M3 clip and threaded rear spacer with PCB clip, PCB .063" / 1.60 mm D2 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .063" / 1.60 mm D3 = M3 clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm D4 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm D5 = M3 clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm D6 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm E1 = M3 threaded rear spacer with PCB clip, PCB .063" / 1.60 mm E2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063" / 1.60 mm E3 = M3 threaded rear spacer with PCB clip, PCB .091" / 2.30 mm E4 = 4-40 UNC threaded rear spacer with PCB clip, PCB .091" / 2.30 mm E5 = M3 threaded rear spacer with PCB clip, PCB .126" / 3.20 mm		E6 = 4-40 UNC threaded rear spacer with PCB clip, PCB .126" / 3.20 mm 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 F3 = M3 clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm F4 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .091" / 2.30 mm F5 = M3 clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm F6 = 4-40 UNC clip and threaded rear spacer with PCB clip, PCB .126" / 3.20 mm G1 = Metal bracket, M3 threaded insert for .370" / 9.40 mm G2 = Metal bracket, 4-40 UNC threaded insert for .370" / 9.40 mm G3 = Metal bracket, M3 threaded insert and clip for .370" / 9.40 mm G4 = Metal bracket, 4-40 UNC threaded insert and clip for .370" / 9.40 mm H1 = Metal bracket, M3 threaded lock for .370" / 9.40 mm H2 = Metal bracket, 4-40 UNC threaded lock for .370" / 9.40 mm H3 = Metal bracket, M3 threaded lock and clip for .370" / 9.40 mm H4 = Metal bracket, 4-40 UNC threaded lock and clip for .370" / 9.40 mm N1 = Metal bracket, M3 threaded insert for .280" / 7.19 mm N2 = Metal bracket, 4-40 UNC threaded insert for .280" / 7.19 mm N3 = Metal bracket, M3 threaded insert and clip for .280" / 7.19 mm N4 = Metal bracket, 4-40 UNC threaded insert and clip for .280" / 7.19 mm P1 = Metal bracket, M3 threaded lock for .280" / 7.19 mm P2 = Metal bracket, 4-40 UNC threaded lock for .280" / 7.19 mm P3 = Metal bracket, M3 threaded lock and clip for .280" / 7.19 mm P4 = Metal bracket, 4-40 UNC threaded lock and clip for .280" / 7.19 mm W1 = Threaded rear spacer with M3 press in pin W2 = Threaded rear spacer with 4-40 UNC press in pin	
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