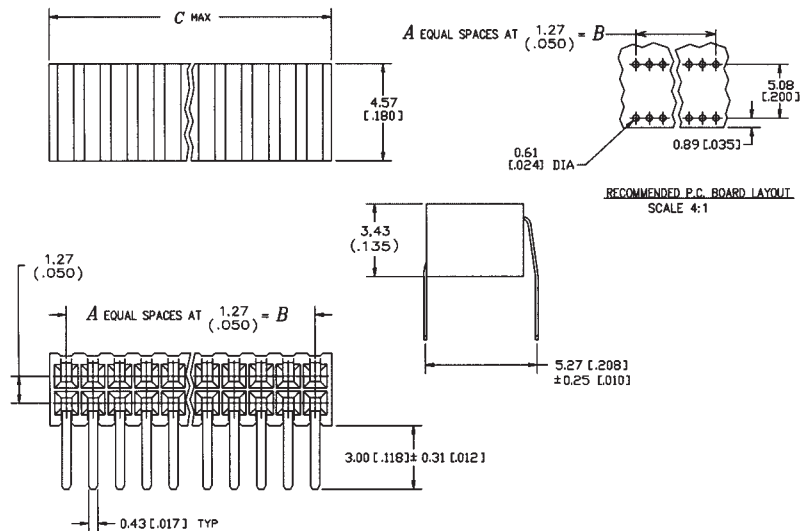


Torson 0.050" 1.27mm



20-5016-2XXX-20-001 – Receptacle - Right Angle

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
20 5016 2004 20 001	4	1	1.27 (0.050)	2.84 (0.112)	200
↑ ↑ 2006 ↑ ↑	6	2	2.54 (0.100)	4.11 (0.162)	138
2008	8	3	3.81 (0.150)	5.38 (0.212)	105
2010	10	4	5.08 (0.200)	6.65 (0.262)	85
2012	12	5	6.35 (0.250)	7.92 (0.312)	71
2014	14	6	7.62 (0.300)	9.19 (0.362)	62
2016	16	7	8.89 (0.350)	10.46 (0.412)	54
2018	18	8	10.16 (0.400)	11.73 (0.462)	48
2020	20	9	11.43 (0.450)	13.00 (0.512)	43
2022	22	10	12.70 (0.500)	14.27 (0.562)	39
2024	24	11	13.97 (0.550)	15.54 (0.612)	36
2026	26	12	15.24 (0.600)	16.81 (0.662)	33
2028	28	13	16.51 (0.650)	18.08 (0.712)	31
2030	30	14	17.78 (0.700)	19.35 (0.762)	29
2032	32	15	19.05 (0.750)	20.62 (0.812)	27
2034	34	16	20.32 (0.800)	21.89 (0.862)	26
2036	36	17	21.59 (0.850)	23.16 (0.912)	24
2038	38	18	22.86 (0.900)	24.43 (0.962)	23
2040	40	19	24.13 (0.950)	25.70 (1.012)	22
2042	42	20	25.40 (1.000)	26.97 (1.062)	21
2044	44	21	26.67 (1.050)	28.24 (1.112)	20
2046	46	22	27.94 (1.100)	29.51 (1.162)	19
↓ ↓ 2048 ↓ ↓	48	23	29.21 (1.150)	30.78 (1.212)	18
20 5016 2050 20 001	50	24	30.48 (1.200)	32.05 (1.262)	17
20 5016 2052 20 001	52	25	31.75 (1.250)	33.32 (1.312)	17
↑ ↑ 2054 ↑ ↑	54	26	33.02 (1.300)	34.59 (1.362)	16
2056	56	27	34.29 (1.350)	35.86 (1.412)	15
2058	58	28	35.56 (1.400)	37.13 (1.462)	15
2060	60	29	36.83 (1.450)	38.40 (1.512)	14
2062	62	30	38.10 (1.500)	39.67 (1.562)	14
2064	64	31	39.37 (1.550)	40.94 (1.612)	13
2066	66	32	40.64 (1.600)	42.21 (1.662)	13
2068	68	33	41.91 (1.650)	43.48 (1.712)	13
2070	70	34	43.18 (1.700)	44.75 (1.762)	12
2072	72	35	44.45 (1.750)	46.02 (1.812)	12
2074	74	36	45.72 (1.800)	47.29 (1.862)	12
2076	76	37	46.99 (1.850)	48.56 (1.912)	11
2078	78	38	48.26 (1.900)	49.83 (1.962)	11
2080	80	39	49.53 (1.950)	51.10 (2.012)	11
2082	82	40	50.80 (2.000)	52.37 (2.062)	10
2084	84	41	52.07 (2.050)	53.64 (2.112)	10
2086	86	42	53.34 (2.100)	54.91 (2.162)	10
2088	88	43	54.61 (2.150)	56.18 (2.212)	10
2090	90	44	55.88 (2.200)	57.45 (2.262)	9
2092	92	45	57.15 (2.250)	58.72 (2.312)	9
2094	94	46	58.42 (2.300)	59.99 (2.362)	9
2096	96	47	59.69 (2.350)	61.26 (2.412)	9
2098	98	48	60.96 (2.400)	62.53 (2.462)	9
↓ ↓ 2100 ↓ ↓	100	49	62.23 (2.450)	63.80 (2.512)	8
20 5016 2102 20 001	102	50	63.50 (2.500)	65.07 (2.562)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030–.000080 (0.00076–0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075–.000150 (0.00191–0.00381) tin/lead on tails

ORDERING CODE

PART NO. 20 5016 2XXX 20 0X1
 SERIES _____
 NO. OF WAYS _____
 RIGHT ANGLE _____

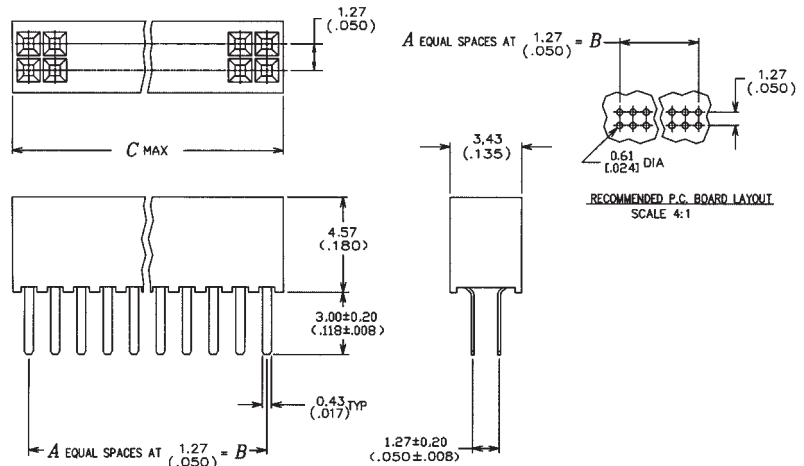
0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



20-5016-2XXX-10-001 – Receptacle - Straight

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
20 5016 2004 10 001	4	1	1.27 (0.050)	2.84 (0.112)	200
↑ ↑ 2006 ↑ ↑	6	2	2.54 (0.100)	4.11 (0.162)	138
2008	8	3	3.81 (0.150)	5.38 (0.212)	105
2010	10	4	5.08 (0.200)	6.65 (0.262)	85
2012	12	5	6.35 (0.250)	7.92 (0.312)	71
2014	14	6	7.62 (0.300)	9.19 (0.362)	62
2016	16	7	8.89 (0.350)	10.46 (0.412)	54
2018	18	8	10.16 (0.400)	11.73 (0.462)	48
2020	20	9	11.43 (0.450)	13.00 (0.512)	43
2022	22	10	12.70 (0.500)	14.27 (0.562)	39
2024	24	11	13.97 (0.550)	15.54 (0.612)	36
2026	26	12	15.24 (0.600)	16.81 (0.662)	33
2028	28	13	16.51 (0.650)	18.08 (0.712)	31
2030	30	14	17.78 (0.700)	19.35 (0.762)	29
2032	32	15	19.05 (0.750)	20.62 (0.812)	27
2034	34	16	20.32 (0.800)	21.89 (0.862)	26
2036	36	17	21.59 (0.850)	23.16 (0.912)	24
2038	38	18	22.86 (0.900)	24.43 (0.962)	23
2040	40	19	24.13 (0.950)	25.70 (1.012)	22
2042	42	20	25.40 (1.000)	26.97 (1.062)	21
2044	44	21	26.67 (1.050)	28.24 (1.112)	20
2046	46	22	27.94 (1.100)	29.51 (1.162)	19
↓ ↓ 2048 ↓ ↓	48	23	29.21 (1.150)	30.78 (1.212)	18
20 5016 2050 10 001	50	24	30.48 (1.200)	32.05 (1.262)	17
20 5016 2052 10 001	52	25	31.75 (1.250)	33.32 (1.312)	17
↑ ↑ 2054 ↑ ↑	54	26	33.02 (1.300)	34.59 (1.362)	16
2056	56	27	34.29 (1.350)	35.86 (1.412)	15
2058	58	28	35.56 (1.400)	37.13 (1.462)	15
2060	60	29	36.83 (1.450)	38.40 (1.512)	14
2062	62	30	38.10 (1.500)	39.67 (1.562)	14
2064	64	31	39.37 (1.550)	40.94 (1.612)	13
2066	66	32	40.64 (1.600)	42.21 (1.662)	13
2068	68	33	41.91 (1.650)	43.48 (1.712)	13
2070	70	34	43.18 (1.700)	44.75 (1.762)	12
2072	72	35	44.45 (1.750)	46.02 (1.812)	12
2074	74	36	45.72 (1.800)	47.29 (1.862)	12
2076	76	37	46.99 (1.850)	48.56 (1.912)	11
2078	78	38	48.26 (1.900)	49.83 (1.962)	11
2080	80	39	49.53 (1.950)	51.10 (2.012)	11
2082	82	40	50.80 (2.000)	52.37 (2.062)	10
2084	84	41	52.07 (2.050)	53.64 (2.112)	10
2086	86	42	53.34 (2.100)	54.91 (2.162)	10
2088	88	43	54.61 (2.150)	56.18 (2.212)	10
2090	90	44	55.88 (2.200)	57.45 (2.262)	9
2092	92	45	57.15 (2.250)	58.72 (2.312)	9
2094	94	46	58.42 (2.300)	59.99 (2.362)	9
2096	96	47	59.69 (2.350)	61.26 (2.412)	9
2098	98	48	60.96 (2.400)	62.53 (2.462)	9
↓ ↓ 2100 ↓ ↓	100	49	62.23 (2.450)	63.80 (2.512)	8
20 5016 2102 10 001	102	50	63.50 (2.500)	65.07 (2.562)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030-.000080 (0.00076-0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075-.000150 (0.00191-0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
20-5016-2XXX-10-001	6.09	5
10-5016-2XXX-10-001		10
20-5016-2XXX-10-001	6.73	5
11-5016-2XXX-10-001		11

ORDERING CODE

PART NO. 20 5016 2XXX 10 0X1
 SERIES _____
 NO. OF WAYS _____

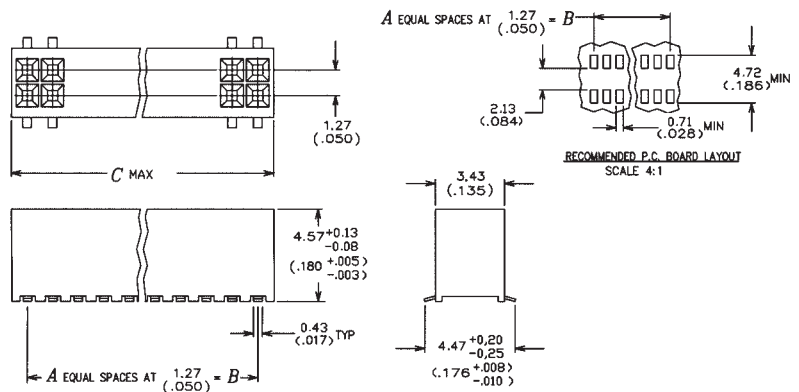
0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



21-5016-2XXX-10-001 – Receptacle

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
21 5016 2004 10 001	4	1	1.27 (0.050)	2.84 (0.112)	200
↑ ↑ 2006 ↑ ↑	6	2	2.54 (0.100)	4.11 (0.162)	138
2008	8	3	3.81 (0.150)	5.38 (0.212)	105
2010	10	4	5.08 (0.200)	6.65 (0.262)	85
2012	12	5	6.35 (0.250)	7.92 (0.312)	71
2014	14	6	7.62 (0.300)	9.19 (0.362)	62
2016	16	7	8.89 (0.350)	10.46 (0.412)	54
2018	18	8	10.16 (0.400)	11.73 (0.462)	48
2020	20	9	11.43 (0.450)	13.00 (0.512)	43
2022	22	10	12.70 (0.500)	14.27 (0.562)	39
2024	24	11	13.97 (0.550)	15.54 (0.612)	36
2026	26	12	15.24 (0.600)	16.81 (0.662)	33
2028	28	13	16.51 (0.650)	18.08 (0.712)	31
2030	30	14	17.78 (0.700)	19.35 (0.762)	29
2032	32	15	19.05 (0.750)	20.62 (0.812)	27
2034	34	16	20.32 (0.800)	21.89 (0.862)	26
2036	36	17	21.59 (0.850)	23.16 (0.912)	24
2038	38	18	22.86 (0.900)	24.43 (0.962)	23
2040	40	19	24.13 (0.950)	25.70 (1.012)	22
2042	42	20	25.40 (1.000)	26.97 (1.062)	21
2044	44	21	26.67 (1.050)	28.24 (1.112)	20
2046	46	22	27.94 (1.100)	29.51 (1.162)	19
↓ ↓ 2048 ↓ ↓	48	23	29.21 (1.150)	30.78 (1.212)	18
21 5016 2050 10 001	50	24	30.48 (1.200)	32.05 (1.262)	17
21 5016 2052 10 001	52	25	31.75 (1.250)	33.32 (1.312)	17
↑ ↑ 2054 ↑ ↑	54	26	33.02 (1.300)	34.59 (1.362)	16
2056	56	27	34.29 (1.350)	35.86 (1.412)	15
2058	58	28	35.56 (1.400)	37.13 (1.462)	15
2060	60	29	36.83 (1.450)	38.40 (1.512)	14
2062	62	30	38.10 (1.500)	39.67 (1.562)	14
2064	64	31	39.37 (1.550)	40.94 (1.612)	13
2066	66	32	40.64 (1.600)	42.21 (1.662)	13
2068	68	33	41.91 (1.650)	43.48 (1.712)	13
2070	70	34	43.18 (1.700)	44.75 (1.762)	12
2072	72	35	44.45 (1.750)	46.02 (1.812)	12
2074	74	36	45.72 (1.800)	47.29 (1.862)	12
2076	76	37	46.99 (1.850)	48.56 (1.912)	11
2078	78	38	48.26 (1.900)	49.83 (1.962)	11
2080	80	39	49.53 (1.950)	51.10 (2.012)	11
2082	82	40	50.80 (2.000)	52.37 (2.062)	10
2084	84	41	52.07 (2.050)	53.64 (2.112)	10
2086	86	42	53.34 (2.100)	54.91 (2.162)	10
2088	88	43	54.61 (2.150)	56.18 (2.212)	10
2090	90	44	55.88 (2.200)	57.45 (2.262)	9
2092	92	45	57.15 (2.250)	58.72 (2.312)	9
2094	94	46	58.42 (2.300)	59.99 (2.362)	9
2096	96	47	59.69 (2.350)	61.26 (2.412)	9
2098	98	48	60.96 (2.400)	62.53 (2.462)	9
↓ ↓ 2100 ↓ ↓	100	49	62.23 (2.450)	63.80 (2.512)	8
21 5016 2102 10 001	102	50	63.50 (2.500)	65.07 (2.562)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030-.000080 (0.00076-0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075-.000150 (0.00191-0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
11-5016-2XXX-10-001	6.73	11
20-5016-2XXX-10-001		5
11-5016-2XXX-10-001	6.73	11
21-5016-2XXX-10-001		6

ORDERING CODE

PART NO. 21 5016 2XXX 10 0X1
 SERIES _____
 NO. OF WAYS _____

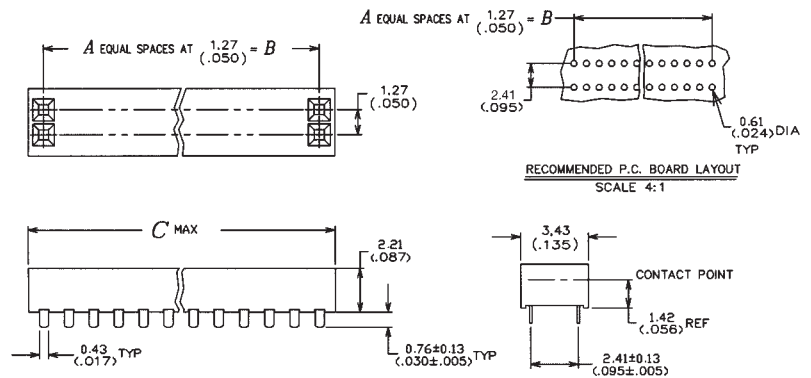
0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



22-5016-2XXX-10-001 – Receptacle

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
22 5016 2002 10 001	4	1	1.27 (0.050)	2.84 (0.112)	200
↑ ↑ 2003 ↑ ↑	6	2	2.54 (0.100)	4.11 (0.162)	138
2004	8	3	3.81 (0.150)	5.38 (0.212)	105
2005	10	4	5.08 (0.200)	6.65 (0.262)	85
2006	12	5	6.35 (0.250)	7.92 (0.312)	71
2007	14	6	7.62 (0.300)	9.19 (0.362)	62
2008	16	7	8.89 (0.350)	10.46 (0.412)	54
2009	18	8	10.16 (0.400)	11.73 (0.462)	48
2010	20	9	11.43 (0.450)	13.00 (0.512)	43
2011	22	10	12.70 (0.500)	14.27 (0.562)	39
2012	24	11	13.97 (0.550)	15.54 (0.612)	36
2013	26	12	15.24 (0.600)	16.81 (0.662)	33
2014	28	13	16.51 (0.650)	18.08 (0.712)	31
2015	30	14	17.78 (0.700)	19.35 (0.762)	29
2016	32	15	19.05 (0.750)	20.62 (0.812)	27
2017	34	16	20.32 (0.800)	21.89 (0.862)	26
2018	36	17	21.59 (0.850)	23.16 (0.912)	24
2019	38	18	22.86 (0.900)	24.43 (0.962)	23
2020	40	19	24.13 (0.950)	25.70 (1.012)	22
2021	42	20	25.40 (1.000)	26.97 (1.062)	21
2022	44	21	26.67 (1.050)	28.24 (1.112)	20
2023	46	22	27.94 (1.100)	29.51 (1.162)	19
↓ ↓ 2024 ↓ ↓	48	23	29.21 (1.150)	30.78 (1.212)	18
22 5016 2025 10 001	50	24	30.48 (1.200)	32.05 (1.262)	17
22 5016 2026 10 001	52	25	31.75 (1.250)	33.32 (1.312)	17
↑ ↑ 2027 ↑ ↑	54	26	33.02 (1.300)	34.59 (1.362)	16
2028	56	27	34.29 (1.350)	35.86 (1.412)	15
2029	58	28	35.56 (1.400)	37.13 (1.462)	15
2030	60	29	36.83 (1.450)	38.40 (1.512)	14
2031	62	30	38.10 (1.500)	39.67 (1.562)	14
2032	64	31	39.37 (1.550)	40.94 (1.612)	13
2033	66	32	40.64 (1.600)	42.21 (1.662)	13
2034	68	33	41.91 (1.650)	43.48 (1.712)	13
2035	70	34	43.18 (1.700)	44.75 (1.762)	12
2036	72	35	44.45 (1.750)	46.02 (1.812)	12
2037	74	36	45.72 (1.800)	47.29 (1.862)	12
2038	76	37	46.99 (1.850)	48.56 (1.912)	11
2039	78	38	48.26 (1.900)	49.83 (1.962)	11
2040	80	39	49.53 (1.950)	51.10 (2.012)	11
2041	82	40	50.80 (2.000)	52.37 (2.062)	10
2042	84	41	52.07 (2.050)	53.64 (2.112)	10
2043	86	42	53.34 (2.100)	54.91 (2.162)	10
2044	88	43	54.61 (2.150)	56.18 (2.212)	10
2045	90	44	55.88 (2.200)	57.45 (2.262)	9
2046	92	45	57.15 (2.250)	58.72 (2.312)	9
2047	94	46	58.42 (2.300)	59.99 (2.362)	9
2048	96	47	59.69 (2.350)	61.26 (2.412)	9
2049	98	48	60.96 (2.400)	62.53 (2.462)	9
↓ ↓ 2050 ↓ ↓	100	49	62.23 (2.450)	63.80 (2.512)	8
22 5016 2051 10 001	102	50	63.50 (2.500)	65.07 (2.562)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030-.000080 (0.00076-0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075-.000150 (0.00191-0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
22-5016-2XXX-10-001	3.73	7
12-5016-2XXX-10-001		12
22-5016-2XXX-10-001	2.21	7
15-5016-2XXX-10-002		14

ORDERING CODE

PART NO. 22 5016 2XXX 10 0X1
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____

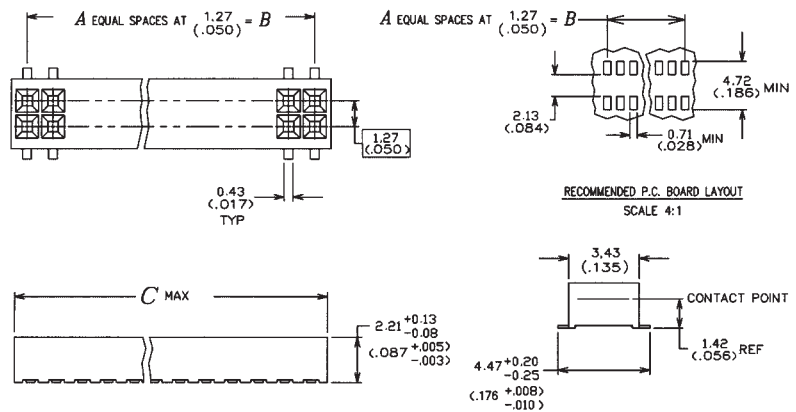
0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



23-5016-2XXX-10-001 – Receptacle

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
23 5016 2002 10 001	4	1	1.27 (0.050)	2.84 (0.112)	200
↑ ↑ 2003 ↑ ↑	6	2	2.54 (0.100)	4.11 (0.162)	138
2004	8	3	3.81 (0.150)	5.38 (0.212)	105
2005	10	4	5.08 (0.200)	6.65 (0.262)	85
2006	12	5	6.35 (0.250)	7.92 (0.312)	71
2007	14	6	7.62 (0.300)	9.19 (0.362)	62
2008	16	7	8.89 (0.350)	10.46 (0.412)	54
2009	18	8	10.16 (0.400)	11.73 (0.462)	48
2010	20	9	11.43 (0.450)	13.00 (0.512)	43
2011	22	10	12.70 (0.500)	14.27 (0.562)	39
2012	24	11	13.97 (0.550)	15.54 (0.612)	36
2013	26	12	15.24 (0.600)	16.81 (0.662)	33
2014	28	13	16.51 (0.650)	18.08 (0.712)	31
2015	30	14	17.78 (0.700)	19.35 (0.762)	29
2016	32	15	19.05 (0.750)	20.62 (0.812)	27
2017	34	16	20.32 (0.800)	21.89 (0.862)	26
2018	36	17	21.59 (0.850)	23.16 (0.912)	24
2019	38	18	22.86 (0.900)	24.43 (0.962)	23
2020	40	19	24.13 (0.950)	25.70 (1.012)	22
2021	42	20	25.40 (1.000)	26.97 (1.062)	21
2022	44	21	26.67 (1.050)	28.24 (1.112)	20
2023	46	22	27.94 (1.100)	29.51 (1.162)	19
↓ ↓ 2024 ↓ ↓	48	23	29.21 (1.150)	30.78 (1.212)	18
23 5016 2025 10 001	50	24	30.48 (1.200)	32.05 (1.262)	17
23 5016 2026 10 001	52	25	31.75 (1.250)	33.32 (1.312)	17
↑ ↑ 2027 ↑ ↑	54	26	33.02 (1.300)	34.59 (1.362)	16
2028	56	27	34.29 (1.350)	35.86 (1.412)	15
2029	58	28	35.56 (1.400)	37.13 (1.462)	15
2030	60	29	36.83 (1.450)	38.40 (1.512)	14
2031	62	30	38.10 (1.500)	39.67 (1.562)	14
2032	64	31	39.37 (1.550)	40.94 (1.612)	13
2033	66	32	40.64 (1.600)	42.21 (1.662)	13
2034	68	33	41.91 (1.650)	43.48 (1.712)	13
2035	70	34	43.18 (1.700)	44.75 (1.762)	12
2036	72	35	44.45 (1.750)	46.02 (1.812)	12
2037	74	36	45.72 (1.800)	47.29 (1.862)	12
2038	76	37	46.99 (1.850)	48.56 (1.912)	11
2039	78	38	48.26 (1.900)	49.83 (1.962)	11
2040	80	39	49.53 (1.950)	51.10 (2.012)	11
2041	82	40	50.80 (2.000)	52.37 (2.062)	10
2042	84	41	52.07 (2.050)	53.64 (2.112)	10
2043	86	42	53.34 (2.100)	54.91 (2.162)	10
2044	88	43	54.61 (2.150)	56.18 (2.212)	10
2045	90	44	55.88 (2.200)	57.45 (2.262)	9
2046	92	45	57.15 (2.250)	58.72 (2.312)	9
2047	94	46	58.42 (2.300)	59.99 (2.362)	9
2048	96	47	59.69 (2.350)	61.26 (2.412)	9
2049	98	48	60.96 (2.400)	62.53 (2.462)	9
↓ ↓ 2050 ↓ ↓	100	49	62.23 (2.450)	63.80 (2.512)	8
23 5016 2051 10 001	102	50	63.50 (2.500)	65.07 (2.562)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030-.000080 (0.00076-0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075-.000150 (0.00191-0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
23-5016-2XXX-10-001	2.21	8
15-5016-2XXX-10-002		14
23-5016-2XXX-10-001	3.73	8
12-5016-2XXX-10-001		12
23-5016-2XXX-10-001	4.28	8
17-5016-2XXX-10-001		13

ORDERING CODE

23 5016 2XXX 10 0X1
 PART NO. _____
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____

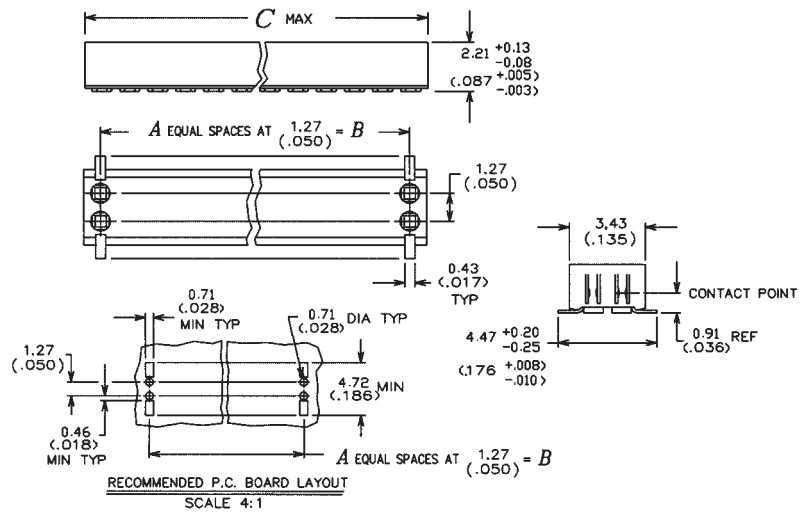
0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



24-5016-2XXX-10-001 – Receptacle

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
24 5016 2002 10 001	4	1	1.27 (0.050)	2.84 (0.112)	200
↑ ↑ 2003 ↑ ↑	6	2	2.54 (0.100)	4.11 (0.162)	138
2004	8	3	3.81 (0.150)	5.38 (0.212)	105
2005	10	4	5.08 (0.200)	6.65 (0.262)	85
2006	12	5	6.35 (0.250)	7.92 (0.312)	71
2007	14	6	7.62 (0.300)	9.19 (0.362)	62
2008	16	7	8.89 (0.350)	10.46 (0.412)	54
2009	18	8	10.16 (0.400)	11.73 (0.462)	48
2010	20	9	11.43 (0.450)	13.00 (0.512)	43
2011	22	10	12.70 (0.500)	14.27 (0.562)	39
2012	24	11	13.97 (0.550)	15.54 (0.612)	36
2013	26	12	15.24 (0.600)	16.81 (0.662)	33
2014	28	13	16.51 (0.650)	18.08 (0.712)	31
2015	30	14	17.78 (0.700)	19.35 (0.762)	29
2016	32	15	19.05 (0.750)	20.62 (0.812)	27
2017	34	16	20.32 (0.800)	21.89 (0.862)	26
2018	36	17	21.59 (0.850)	23.16 (0.912)	24
2019	38	18	22.86 (0.900)	24.43 (0.962)	23
2020	40	19	24.13 (0.950)	25.70 (1.012)	22
2021	42	20	25.40 (1.000)	26.97 (1.062)	21
2022	44	21	26.67 (1.050)	28.24 (1.112)	20
2023	46	22	27.94 (1.100)	29.51 (1.162)	19
↓ ↓ 2024 ↓ ↓	48	23	29.21 (1.150)	30.78 (1.212)	18
24 5016 2025 10 001	50	24	30.48 (1.200)	32.05 (1.262)	17
24 5016 2026 10 001	52	25	31.75 (1.250)	33.32 (1.312)	17
↑ ↑ 2027 ↑ ↑	54	26	33.02 (1.300)	34.59 (1.362)	16
2028	56	27	34.29 (1.350)	35.86 (1.412)	15
2029	58	28	35.56 (1.400)	37.13 (1.462)	15
2030	60	29	36.83 (1.450)	38.40 (1.512)	14
2031	62	30	38.10 (1.500)	39.67 (1.562)	14
2032	64	31	39.37 (1.550)	40.94 (1.612)	13
2033	66	32	40.64 (1.600)	42.21 (1.662)	13
2034	68	33	41.91 (1.650)	43.48 (1.712)	13
2035	70	34	43.18 (1.700)	44.75 (1.762)	12
2036	72	35	44.45 (1.750)	46.02 (1.812)	12
2037	74	36	45.72 (1.800)	47.29 (1.862)	12
2038	76	37	46.99 (1.850)	48.56 (1.912)	11
2039	78	38	48.26 (1.900)	49.83 (1.962)	11
2040	80	39	49.53 (1.950)	51.10 (2.012)	11
2041	82	40	50.80 (2.000)	52.37 (2.062)	10
2042	84	41	52.07 (2.050)	53.64 (2.112)	10
2043	86	42	53.34 (2.100)	54.91 (2.162)	10
2044	88	43	54.61 (2.150)	56.18 (2.212)	10
2045	90	44	55.88 (2.200)	57.45 (2.262)	9
2046	92	45	57.15 (2.250)	58.72 (2.312)	9
2047	94	46	58.42 (2.300)	59.99 (2.362)	9
2048	96	47	59.69 (2.350)	61.26 (2.412)	9
2049	98	48	60.96 (2.400)	62.53 (2.462)	9
↓ ↓ 2050 ↓ ↓	100	49	62.23 (2.450)	63.80 (2.512)	8
24 5016 2051 10 001	102	50	63.50 (2.500)	65.07 (2.562)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030-.000080 (0.00076-0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075-.000150 (0.00191-0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
24-5016-2XXX-10-001	1.52	9
12-5016-2XXX-10-001		12

ORDERING CODE

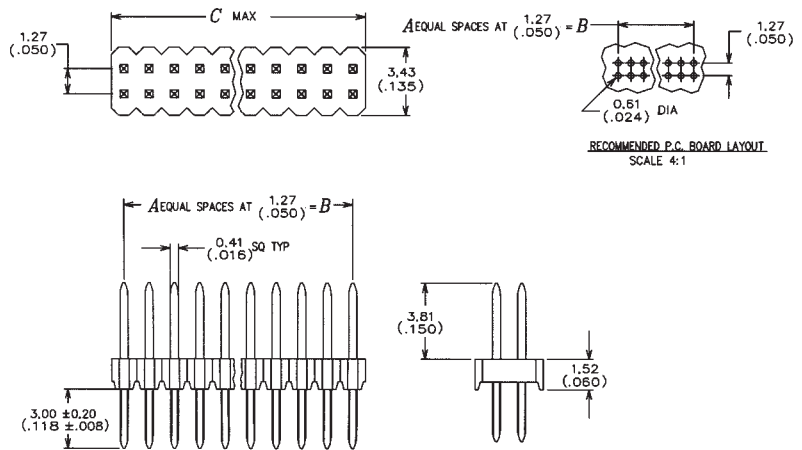
PART NO. **24 5016 2XXX 10 0X1**
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



10-5016-2XXX-10-001 – Header

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
10 5016 2004 10 001	4	1	1.27 (0.050)	2.54 (0.100)	224
↑ ↑ 2006 ↑ ↑	6	2	2.54 (0.100)	3.81 (0.150)	149
2008	8	3	3.81 (0.150)	5.08 (0.200)	112
2010	10	4	5.08 (0.200)	6.35 (0.250)	89
2012	12	5	6.35 (0.250)	7.62 (0.300)	74
2014	14	6	7.62 (0.300)	8.89 (0.350)	64
2016	16	7	8.89 (0.350)	10.16 (0.400)	56
2018	18	8	10.16 (0.400)	11.43 (0.450)	49
2020	20	9	11.43 (0.450)	12.70 (0.500)	44
2022	22	10	12.70 (0.500)	13.97 (0.550)	40
2024	24	11	13.97 (0.550)	15.24 (0.600)	37
2026	26	12	15.24 (0.600)	16.51 (0.650)	34
2028	28	13	16.51 (0.650)	17.78 (0.700)	32
2030	30	14	17.78 (0.700)	19.05 (0.750)	29
2032	32	15	19.05 (0.750)	20.32 (0.800)	28
2034	34	16	20.32 (0.800)	21.59 (0.850)	26
2036	36	17	21.59 (0.850)	22.86 (0.900)	24
2038	38	18	22.86 (0.900)	24.13 (0.950)	23
2040	40	19	24.13 (0.950)	25.40 (1.000)	22
2042	42	20	25.40 (1.000)	26.67 (1.050)	21
2044	44	21	26.67 (1.050)	27.94 (1.100)	20
2046	46	22	27.94 (1.100)	29.21 (1.150)	19
↓ ↓ 2048 ↓ ↓	48	23	29.21 (1.150)	30.48 (1.200)	18
10 5016 2050 10 001	50	24	30.48 (1.200)	31.75 (1.250)	17
10 5016 2052 10 001	52	25	31.75 (1.250)	33.02 (1.300)	17
↑ ↑ 2054 ↑ ↑	54	26	33.02 (1.300)	34.29 (1.350)	16
2056	56	27	34.29 (1.350)	35.56 (1.400)	16
2058	58	28	35.56 (1.400)	36.83 (1.450)	15
2060	60	29	36.83 (1.450)	38.10 (1.500)	14
2062	62	30	38.10 (1.500)	39.37 (1.550)	14
2064	64	31	39.37 (1.550)	40.64 (1.600)	14
2066	66	32	40.64 (1.600)	41.91 (1.650)	13
2068	68	33	41.91 (1.650)	43.18 (1.700)	13
2070	70	34	43.18 (1.700)	44.45 (1.750)	12
2072	72	35	44.45 (1.750)	45.72 (1.800)	12
2074	74	36	45.72 (1.800)	46.99 (1.850)	12
2076	76	37	46.99 (1.850)	48.26 (1.900)	11
2078	78	38	48.26 (1.900)	49.53 (1.950)	11
2080	80	39	49.53 (1.950)	50.80 (2.000)	11
2082	82	40	50.80 (2.000)	52.07 (2.050)	10
2084	84	41	52.07 (2.050)	53.34 (2.100)	10
2086	86	42	53.34 (2.100)	54.61 (2.150)	10
2088	88	43	54.61 (2.150)	55.88 (2.200)	10
2090	90	44	55.88 (2.200)	57.15 (2.250)	9
2092	92	45	57.15 (2.250)	58.42 (2.300)	9
2094	94	46	58.42 (2.300)	59.69 (2.350)	9
2096	96	47	59.69 (2.350)	60.96 (2.400)	9
↓ ↓ 2098 ↓ ↓	98	48	60.96 (2.400)	62.23 (2.450)	9
10 5016 2100 10 001	100	49	62.23 (2.450)	63.50 (2.500)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030-.000080 (0.00076-0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075-.000150 (0.00191-0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
10-5016-2XXX-10-001	6.09	10
20-5016-2XXX-10-001		5
10-5016-2XXX-10-001	6.09	10
21-5016-2XXX-10-001		6

ORDERING CODE

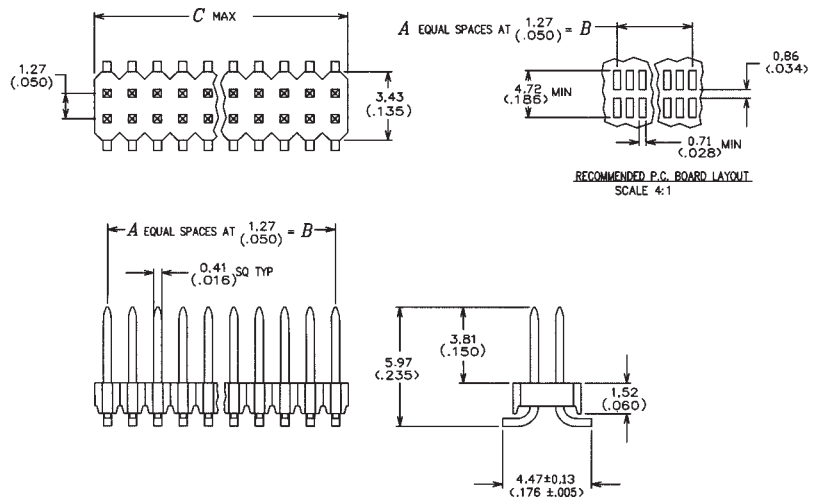
PART NO. 10 5016 2XXX 10 0X1
 SERIES _____
 NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



11-5016-2XXX-10-001 – Header

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
11 5016 2004 10 001	4	1	1.27 (0.050)	2.54 (0.100)	224
↑ ↑ 2006 ↑ ↑	6	2	2.54 (0.100)	3.81 (0.150)	149
2008	8	3	3.81 (0.150)	5.08 (0.200)	112
2010	10	4	5.08 (0.200)	6.35 (0.250)	89
2012	12	5	6.35 (0.250)	7.62 (0.300)	74
2014	14	6	7.62 (0.300)	8.89 (0.350)	64
2016	16	7	8.89 (0.350)	10.16 (0.400)	56
2018	18	8	10.16 (0.400)	11.43 (0.450)	49
2020	20	9	11.43 (0.450)	12.70 (0.500)	44
2022	22	10	12.70 (0.500)	13.97 (0.550)	40
2024	24	11	13.97 (0.550)	15.24 (0.600)	37
2026	26	12	15.24 (0.600)	16.51 (0.650)	34
2028	28	13	16.51 (0.650)	17.78 (0.700)	32
2030	30	14	17.78 (0.700)	19.05 (0.750)	29
2032	32	15	19.05 (0.750)	20.32 (0.800)	28
2034	34	16	20.32 (0.800)	21.59 (0.850)	26
2036	36	17	21.59 (0.850)	22.89 (0.900)	24
2038	38	18	22.89 (0.900)	24.13 (0.950)	23
2040	40	19	24.13 (0.950)	25.40 (1.000)	22
2042	42	20	25.40 (1.000)	26.67 (1.050)	21
2044	44	21	26.67 (1.050)	27.94 (1.100)	20
2046	46	22	27.94 (1.100)	29.21 (1.150)	19
↓ ↓ 2048 ↓ ↓	48	23	29.21 (1.150)	30.48 (1.200)	18
11 5016 2050 10 001	50	24	30.48 (1.200)	31.75 (1.250)	17
11 5016 2052 10 001	52	25	31.75 (1.250)	33.02 (1.300)	17
↑ ↑ 2054 ↑ ↑	54	26	33.02 (1.300)	34.29 (1.350)	16
2056	56	27	34.29 (1.350)	35.56 (1.400)	16
2058	58	28	35.56 (1.400)	36.83 (1.450)	15
2060	60	29	36.83 (1.450)	38.10 (1.500)	14
2062	62	30	38.10 (1.500)	39.37 (1.550)	14
2064	64	31	39.37 (1.550)	40.64 (1.600)	14
2066	66	32	40.64 (1.600)	41.91 (1.650)	13
2068	68	33	41.91 (1.650)	43.18 (1.700)	13
2070	70	34	43.18 (1.700)	44.45 (1.750)	12
2072	72	35	44.45 (1.750)	45.72 (1.800)	12
2074	74	36	45.72 (1.800)	46.99 (1.850)	12
2076	76	37	46.99 (1.850)	48.26 (1.900)	11
2078	78	38	48.26 (1.900)	49.53 (1.950)	11
2080	80	39	49.53 (1.950)	50.80 (2.000)	11
2082	82	40	50.80 (2.000)	52.07 (2.050)	10
2084	84	41	52.07 (2.050)	53.34 (2.100)	10
2086	86	42	53.34 (2.100)	54.61 (2.150)	10
2088	88	43	54.61 (2.150)	55.88 (2.200)	10
2090	90	44	55.88 (2.200)	57.15 (2.250)	9
2092	92	45	57.15 (2.250)	58.42 (2.300)	9
2094	94	46	58.42 (2.300)	59.69 (2.350)	9
2096	96	47	59.69 (2.350)	60.96 (2.400)	9
↓ ↓ 2098 ↓ ↓	98	48	60.96 (2.400)	62.23 (2.450)	9
11 5016 2100 10 001	100	49	62.23 (2.450)	63.50 (2.500)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030–.000080 (0.00076–0.00203) nickel underplate all over .000015 (0.00038) min. gold in mating area .000075–.000150 (0.00191–0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
11-5016-2XXX-10-001	6.73	11
20-5016-2XXX-10-001		5
11-5016-2XXX-10-001	6.73	11
21-5016-2XXX-10-001		6

ORDERING CODE

11 5016 2XXX 10 0X1

PART NO. _____

SERIES _____

NO. OF WAYS _____

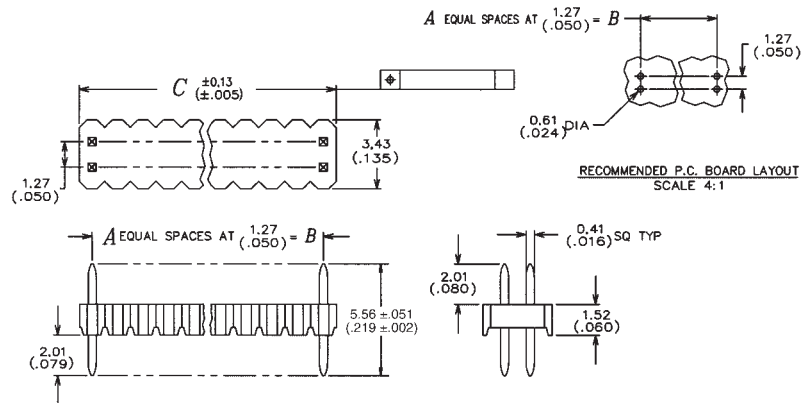
0 = Standard Tube Packaging
8 = Tape and Reel

Torson 0.050" 1.27mm



12-5016-2XXX-10-001 – Header

Part Number				No. of Positions	A	B	C Max.	Qty. Per Tube
12	5016	2002	10 001	4	1	1.27 (0.050)	2.54 (0.100)	224
↑	↑	2003	↑	6	2	2.54 (0.100)	3.81 (0.150)	149
		2004		8	3	3.81 (0.150)	5.08 (0.200)	112
		2005		10	4	5.08 (0.200)	6.35 (0.250)	89
		2006		12	5	6.35 (0.250)	7.62 (0.300)	74
		2007		14	6	7.62 (0.300)	8.89 (0.350)	64
		2008		16	7	8.89 (0.350)	10.16 (0.400)	56
		2009		18	8	10.16 (0.400)	11.43 (0.450)	49
		2010		20	9	11.43 (0.450)	12.70 (0.500)	44
		2011		22	10	12.70 (0.500)	13.97 (0.550)	40
		2012		24	11	13.97 (0.550)	15.24 (0.600)	37
		2013		26	12	15.24 (0.600)	16.51 (0.650)	34
		2014		28	13	16.51 (0.650)	17.78 (0.700)	32
		2015		30	14	17.78 (0.700)	19.05 (0.750)	29
		2016		32	15	19.05 (0.750)	20.32 (0.800)	28
		2017		34	16	20.32 (0.800)	21.59 (0.850)	26
		2018		36	17	21.59 (0.850)	22.86 (0.900)	24
		2019		38	18	22.86 (0.900)	24.13 (0.950)	23
		2020		40	19	24.13 (0.950)	25.40 (1.000)	22
		2021		42	20	25.40 (1.000)	26.67 (1.050)	21
		2022		44	21	26.67 (1.050)	27.94 (1.100)	20
		2023		46	22	27.94 (1.100)	29.21 (1.150)	19
↓	↓	2024	↓	48	23	29.21 (1.150)	30.48 (1.200)	18
12	5016	2025	10 001	50	24	30.48 (1.200)	31.75 (1.250)	17
12	5016	2026	10 001	52	25	31.75 (1.250)	33.02 (1.300)	17
↑	↑	2027	↑	54	26	33.02 (1.300)	34.29 (1.350)	16
		2028		56	27	34.29 (1.350)	35.56 (1.400)	16
		2029		58	28	35.56 (1.400)	36.83 (1.450)	15
		2030		60	29	36.83 (1.450)	38.10 (1.500)	14
		2031		62	30	38.10 (1.500)	39.37 (1.550)	14
		2032		64	31	39.37 (1.550)	40.64 (1.600)	14
		2033		66	32	40.64 (1.600)	41.91 (1.650)	13
		2034		68	33	41.91 (1.650)	43.18 (1.700)	13
		2035		70	34	43.18 (1.700)	44.45 (1.750)	12
		2036		72	35	44.45 (1.750)	45.72 (1.800)	12
		2037		74	36	45.72 (1.800)	46.99 (1.850)	12
		2038		76	37	46.99 (1.850)	48.26 (1.900)	11
		2039		78	38	48.26 (1.900)	49.53 (1.950)	11
		2040		80	39	49.53 (1.950)	50.80 (2.000)	11
		2041		82	40	50.80 (2.000)	52.07 (2.050)	10
		2042		84	41	52.07 (2.050)	53.34 (2.100)	10
		2043		86	42	53.34 (2.100)	54.61 (2.150)	10
		2044		88	43	54.61 (2.150)	55.88 (2.200)	10
		2045		90	44	55.88 (2.200)	57.15 (2.250)	9
		2046		92	45	57.15 (2.250)	58.42 (2.300)	9
		2047		94	46	58.42 (2.300)	59.69 (2.350)	9
		2048		96	47	59.69 (2.350)	60.96 (2.400)	9
↓	↓	2049	↓	98	48	60.96 (2.400)	62.23 (2.450)	9
12	5016	2050	10 001	100	49	62.23 (2.450)	63.50 (2.500)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030–.000080 (0.00076–0.00203) nickel underplate all over .000015 (0.00038) min. gold in mating area .000075–.000150 (0.00191–0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
12-5016-2XXX-10-001	1.52	12
24-5016-2XXX-10-001		9
12-5016-2XXX-10-001	3.73	12
22-5016-2XXX-10-001		7
12-5016-2XXX-10-001	3.73	12
23-5016-2XXX-10-001		8

ORDERING CODE

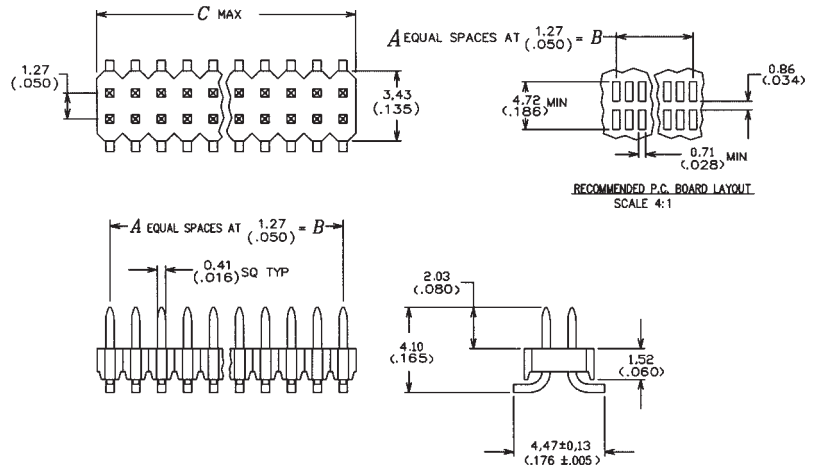
12 5016 2XXX 10 0X1
 PART NO. _____
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



17-5016-2XXX-10-001 – Header

Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
17 5016 2002 10 001	4	1	1.27 (0.050)	2.54 (0.100)	224
↑ ↑ 2003 ↑ ↑	6	2	2.54 (0.100)	3.81 (0.150)	149
2004	8	3	3.81 (0.150)	5.08 (0.200)	112
2005	10	4	5.08 (0.200)	6.35 (0.250)	89
2006	12	5	6.35 (0.250)	7.62 (0.300)	74
2007	14	6	7.62 (0.300)	8.89 (0.350)	64
2008	16	7	8.89 (0.350)	10.16 (0.400)	56
2009	18	8	10.16 (0.400)	11.43 (0.450)	49
2010	20	9	11.43 (0.450)	12.70 (0.500)	44
2011	22	10	12.70 (0.500)	13.97 (0.550)	40
2012	24	11	13.97 (0.550)	15.24 (0.600)	37
2013	26	12	15.24 (0.600)	16.51 (0.650)	34
2014	28	13	16.51 (0.650)	17.78 (0.700)	32
2015	30	14	17.78 (0.700)	19.05 (0.750)	29
2016	32	15	19.05 (0.750)	20.32 (0.800)	28
2017	34	16	20.32 (0.800)	21.59 (0.850)	26
2018	36	17	21.59 (0.850)	22.86 (0.900)	24
2019	38	18	22.86 (0.900)	24.13 (0.950)	23
2020	40	19	24.13 (0.950)	25.40 (1.000)	22
2021	42	20	25.40 (1.000)	26.67 (1.050)	21
2022	44	21	26.67 (1.050)	27.94 (1.100)	20
2023	46	22	27.94 (1.100)	29.21 (1.150)	19
↓ ↓ 2024 ↓ ↓	48	23	29.21 (1.150)	30.48 (1.200)	18
17 5016 2025 10 001	50	24	30.48 (1.200)	31.75 (1.250)	17
17 5016 2026 10 001	52	25	31.75 (1.250)	33.02 (1.300)	17
↑ ↑ 2027 ↑ ↑	54	26	33.02 (1.300)	34.29 (1.350)	16
2028	56	27	34.29 (1.350)	35.56 (1.400)	16
2029	58	28	35.56 (1.400)	36.83 (1.450)	15
2030	60	29	36.83 (1.450)	38.10 (1.500)	14
2031	62	30	38.10 (1.500)	39.37 (1.550)	14
2032	64	31	39.37 (1.550)	40.64 (1.600)	14
2033	66	32	40.64 (1.600)	41.91 (1.650)	13
2034	68	33	41.91 (1.650)	43.18 (1.700)	13
2035	70	34	43.18 (1.700)	44.45 (1.750)	12
2036	72	35	44.45 (1.750)	45.72 (1.800)	12
2037	74	36	45.72 (1.800)	46.99 (1.850)	12
2038	76	37	46.99 (1.850)	48.26 (1.900)	11
2039	78	38	48.26 (1.900)	49.53 (1.950)	11
2040	80	39	49.53 (1.950)	50.80 (2.000)	11
2041	82	40	50.80 (2.000)	52.07 (2.050)	10
2042	84	41	52.07 (2.050)	53.34 (2.100)	10
2043	86	42	53.34 (2.100)	54.61 (2.150)	10
2044	88	43	54.61 (2.150)	55.88 (2.200)	10
2045	90	44	55.88 (2.200)	57.15 (2.250)	9
2046	92	45	57.15 (2.250)	58.42 (2.300)	9
2047	94	46	58.42 (2.300)	59.69 (2.350)	9
2048	96	47	59.69 (2.350)	60.96 (2.400)	9
↓ ↓ 2049 ↓ ↓	98	48	60.96 (2.400)	62.23 (2.450)	9
17 5016 2050 10 001	100	49	62.23 (2.450)	63.50 (2.500)	8



Specifications

- Insulator Material – High temperature thermoplastic (UL 94 V-O)
- Contact Material – copper alloy
- Contact Plating – .000030-.000080 (0.00076–0.00203) nickel underplate all over
.000015 (0.00038) min. gold in mating area
.000075-.000150 (0.00191–0.00381) tin/lead on tails

Mating Half

Part Number	Board/Board Stacking Height	See Page
17-5016-2XXX-10-001	4.28	13
23-5016-2XXX-10-001		8
17-5016-2XXX-10-001	4.28	13
22-5016-2XXX-10-001		7

ORDERING CODE

17 5016 2XXX 10 0X1

PART NO. _____

SERIES _____

NUMBER X2 = NO. OF WAYS _____

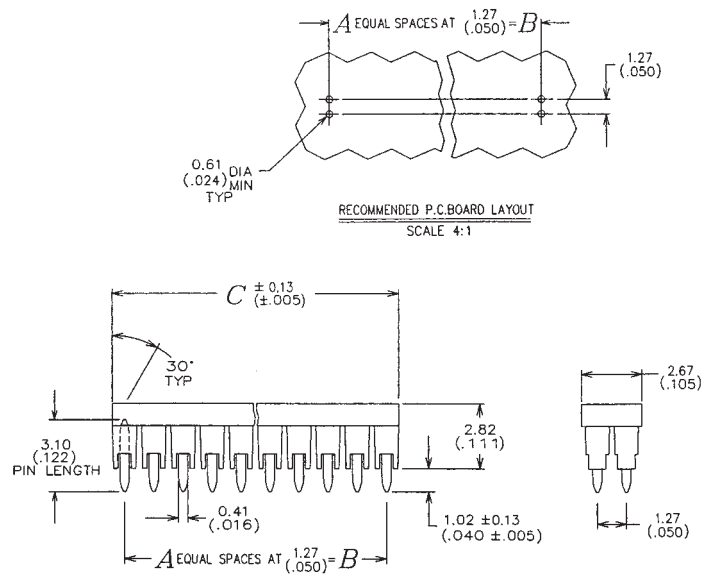
0 = Standard Tube Packaging
8 = Tape and Reel

Torson 0.050" 1.27mm

15-5016-2XXX-10-002 – Header



Part Number				No. of Positions	A	B	C
15 5016	2002	10 002		4	1	1.27 (0.050)	2.54 (0.100)
↑	↑	2003	↑	6	2	2.54 (0.100)	3.81 (0.150)
		2004		8	3	3.81 (0.150)	5.08 (0.200)
		2005		10	4	5.08 (0.200)	6.35 (0.250)
		2006		12	5	6.35 (0.250)	7.62 (0.300)
		2007		14	6	7.62 (0.300)	8.89 (0.350)
		2008		16	7	8.89 (0.350)	10.16 (0.400)
		2009		18	8	10.16 (0.400)	11.43 (0.450)
		2010		20	9	11.43 (0.450)	12.70 (0.500)
		2011		22	10	12.70 (0.500)	13.97 (0.550)
		2012		24	11	13.97 (0.550)	15.24 (0.600)
		2013		26	12	15.24 (0.600)	16.51 (0.650)
↓	↓	2014	↓	28	13	16.51 (0.650)	17.78 (0.700)
15 5016	2015	10 002		30	14	17.78 (0.700)	19.05 (0.750)
15 5016	2016	10 002		32	15	19.05 (0.750)	20.32 (0.800)
15 5016	2017	10 002		34	16	20.32 (0.800)	21.59 (0.850)
15 5016	2018	10 002		36	17	21.59 (0.850)	22.86 (0.900)



Mating Half

Part Number	Board/Board Stacking Height	See Page
15-5016-2XXX-10-002	2.21	14
22-5016-2XXX-10-001		7
15-5016-2XXX-10-002	2.21	14
23-5016-2XXX-10-001		8

ORDERING CODE

PART NO. 15 5016 2XXX 10 0X2
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____

0 = Standard Tube Packaging
 8 = Tape and Reel

Torson 0.050" 1.27mm



Product Specifications

Specifications

- Insertion Force – 4 oz. max.
- Withdrawal Force – 0.50 oz. min.
- 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.

Solder Temperature Reflow Profile

