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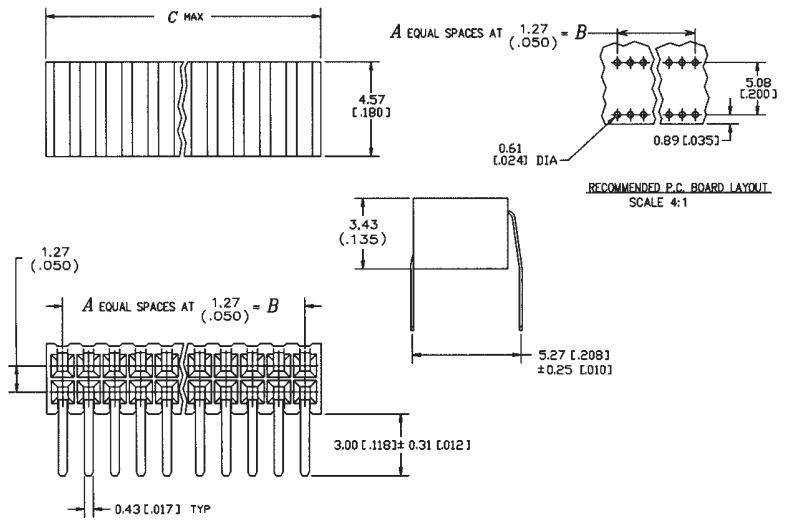
sales@integrated-circuit.com



Torson 0.050" 1.27mm

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

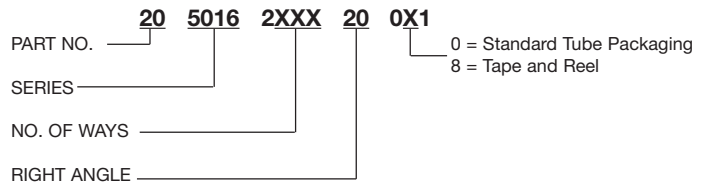
Part Number	No. of Positions	A	B	C Max.	Qty. Per Tube
20 5016 2004 20 001	4	1	1.27 (0.050)	2.84 (0.112)	200
↑ ↑ 2006 ↑ ↑	6	2	2.54 (0.100)	4.11 (0.162)	138
↑ ↑ 2008 ↑ ↑	8	3	3.81 (0.150)	5.38 (0.212)	105
↑ ↑ 2010 ↑ ↑	10	4	5.08 (0.200)	6.65 (0.262)	85
↑ ↑ 2012 ↑ ↑	12	5	6.35 (0.250)	7.92 (0.312)	71
↑ ↑ 2014 ↑ ↑	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

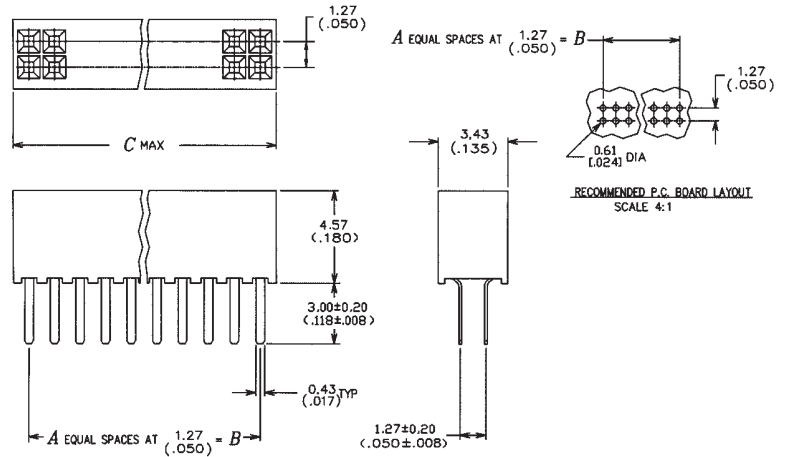




Torson 0.050" 1.27mm

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



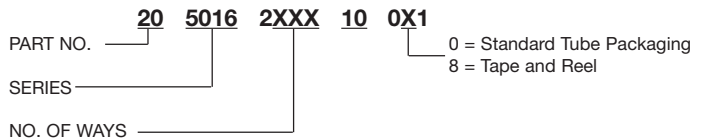
Specifications

- 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

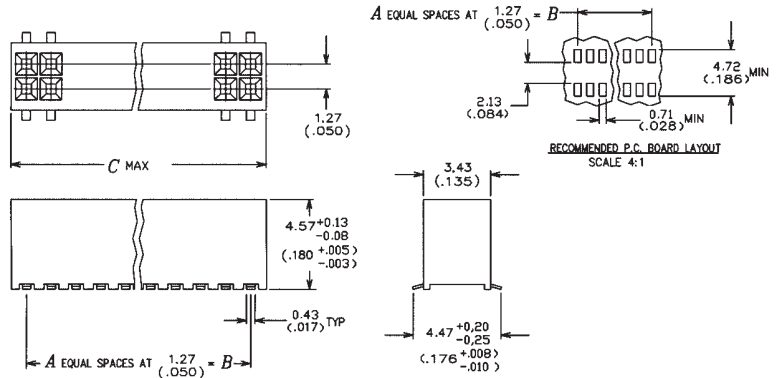




Torson 0.050" 1.27mm

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

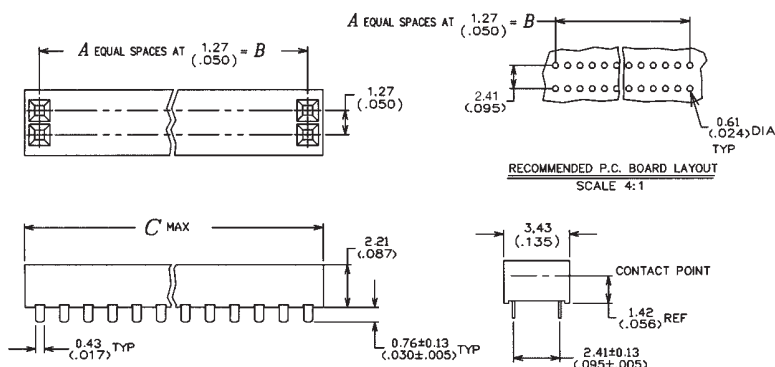
PART NO. 21 5016 2XXX 10 0X1
 SERIES _____
 NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel

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	↑	↑	2.54 (0.100)	4.11 (0.162)	138
		2004			3.81 (0.150)	5.38 (0.212)	105
		2005			5.08 (0.200)	6.65 (0.262)	85
		2006			6.35 (0.250)	7.92 (0.312)	71
		2007			7.62 (0.300)	9.19 (0.362)	62
		2008			8.89 (0.350)	10.46 (0.412)	54
		2009			10.16 (0.400)	11.73 (0.462)	48
		2010			11.43 (0.450)	13.00 (0.512)	43
		2011			12.70 (0.500)	14.27 (0.562)	39
		2012			13.97 (0.550)	15.54 (0.612)	36
		2013			15.24 (0.600)	16.81 (0.662)	33
		2014			16.51 (0.650)	18.08 (0.712)	31
		2015			17.78 (0.700)	19.35 (0.762)	29
		2016			19.05 (0.750)	20.62 (0.812)	27
		2017			20.32 (0.800)	21.89 (0.862)	26
		2018			21.59 (0.850)	23.16 (0.912)	24
		2019			22.86 (0.900)	24.43 (0.962)	23
		2020			24.13 (0.950)	25.7084 (1.012)	22
		2021			25.40 (1.000)	26.97 (1.062)	21
		2022			26.67 (1.050)	28.24 (1.112)	20
		2023			27.94 (1.100)	29.51 (1.162)	19
↓	↓	2024	↓	↓	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	↑	↑	33.02 (1.300)	34.59 (1.362)	16
		2028			34.29 (1.350)	35.86 (1.412)	15
		2029			35.56 (1.400)	37.13 (1.462)	15
		2030			36.83 (1.450)	38.40 (1.512)	14
		2031			38.10 (1.500)	39.67 (1.562)	14
		2032			39.37 (1.550)	40.94 (1.612)	13
		2033			40.64 (1.600)	42.21 (1.662)	13
		2034			41.91 (1.650)	43.48 (1.712)	13
		2035			43.18 (1.700)	44.75 (1.762)	12
		2036			44.45 (1.750)	46.02 (1.812)	12
		2037			45.72 (1.800)	47.29 (1.862)	12
		2038			46.99 (1.850)	48.56 (1.912)	11
		2039			48.26 (1.900)	49.83 (1.962)	11
		2040			49.53 (1.950)	51.10 (2.012)	11
		2041			50.80 (2.000)	52.37 (2.062)	10
		2042			52.07 (2.050)	53.64 (2.112)	10
		2043			53.34 (2.100)	54.91 (2.162)	10
		2044			54.61 (2.150)	56.18 (2.212)	10
		2045			55.88 (2.200)	57.45 (2.262)	9
		2046			57.15 (2.250)	58.72 (2.312)	9
		2047			58.42 (2.300)	59.99 (2.362)	9
		2048			59.69 (2.350)	61.26 (2.412)	9
		2049			60.96 (2.400)	62.53 (2.462)	9
↓	↓	2050	↓	↓	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 _____

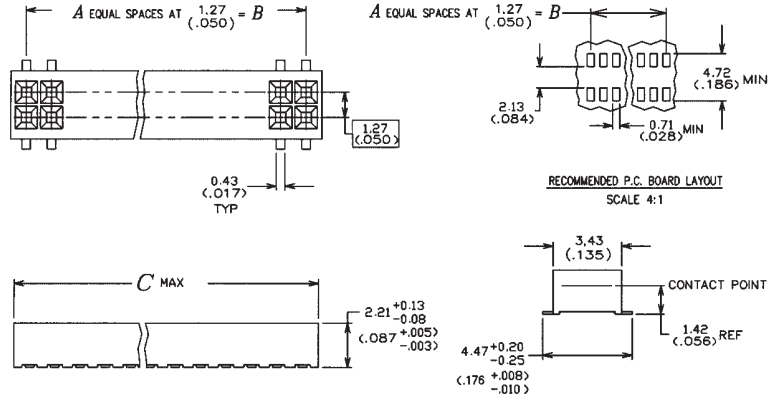
0 = Standard Tube Packaging
 8 = Tape and Reel



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

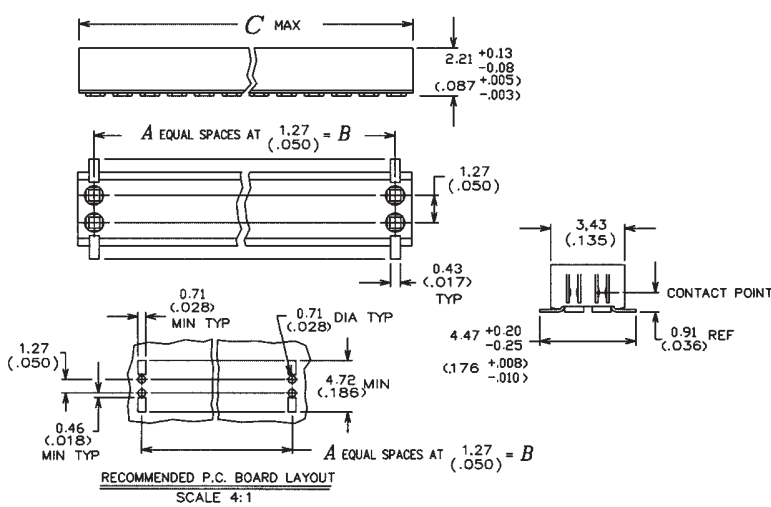
PART NO. 23 5016 2XXX 10 0X1
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel



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

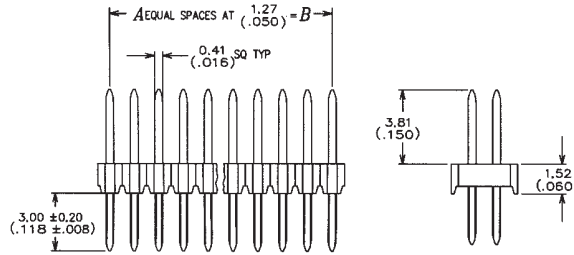
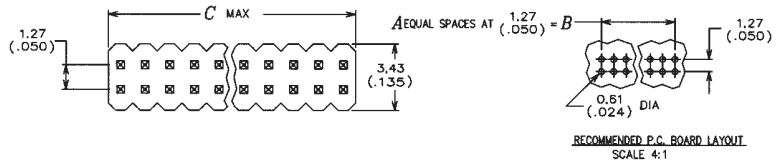
PART NO. 24 5016 2XXX 10 0X1
 SERIES
 NUMBER X2 = NO. OF WAYS
 0 = Standard Tube Packaging
 8 = Tape and Reel



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

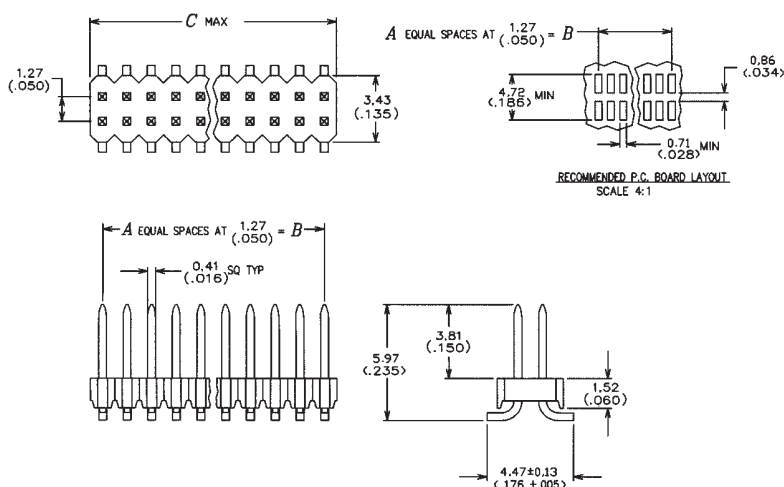
PART NO. 10 5016 2XXX 10 0X1
 SERIES _____
 NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel

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

PART NO. 11 5016 2XXX 10 0X1
 SERIES _____
 NO. OF WAYS _____

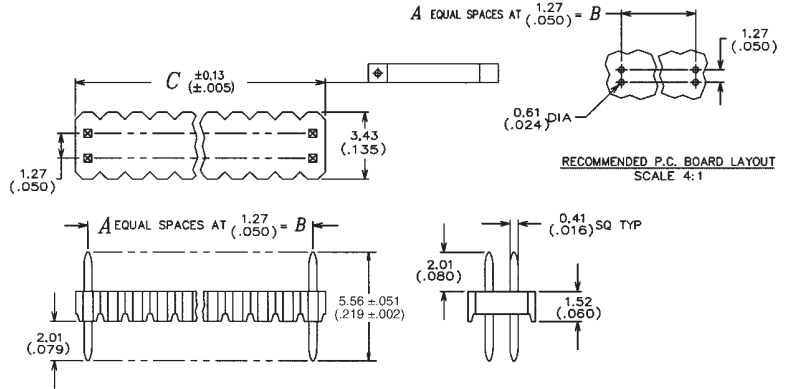
0 = Standard Tube Packaging
 8 = Tape and Reel



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

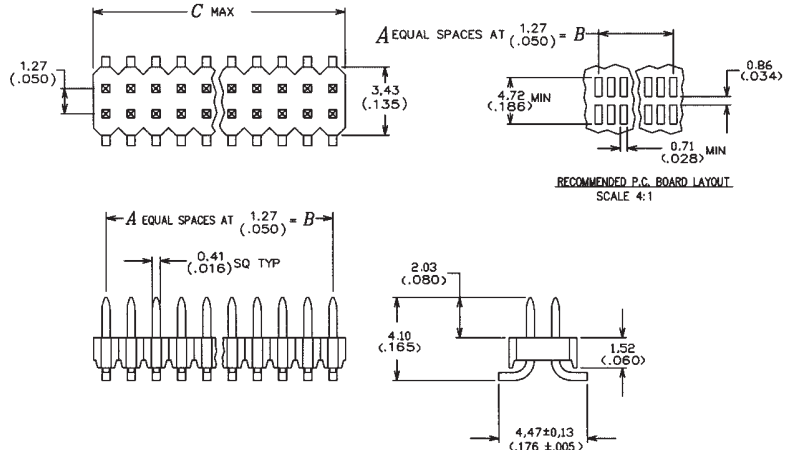
PART NO. 12 5016 2XXX 10 0X1
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel



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

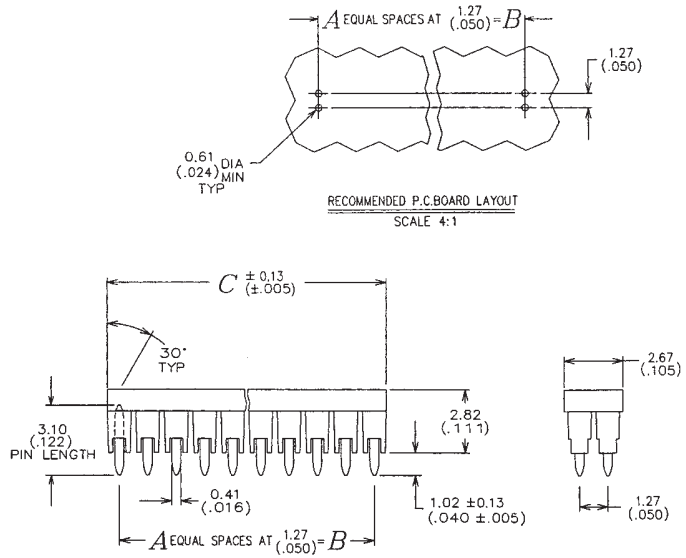
PART NO. 17 5016 2XXX 10 0X1
 SERIES _____
 NUMBER X2 = NO. OF WAYS _____
 0 = Standard Tube Packaging
 8 = Tape and Reel



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	↑	↑	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	↓	↓	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

