



Aerotrónica Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2200-360	22D	0.48	5.21	NONE	NONE	5.13	5.13	NONE	NONE	NONE	13.89	10.59	NONE
4511-2201-360	22D	0.05	10.67	8.89	8.89	13.82	13.82	8.89	22.61	19.56	22.58	19.28	19.05
3511-2202-360	22D	0.38	6.10	1.73	1.73	6.65	6.65	1.73	15.44	12.40	15.42	12.12	11.89
3511-2203-360	22D	0.38	8.64	4.27	4.27	9.19	9.19	4.27	17.98	14.94	17.96	14.66	14.43
3511-2204-360	22D	0.38	11.18	6.81	6.81	11.73	11.73	6.81	20.52	17.48	20.50	17.20	16.97
3511-2205-360	22D	0.48	13.72	9.35	9.35	14.27	14.27	9.35	23.06	20.02	23.04	19.74	19.51
4511-2205-360	22D	0.48	13.72	9.35	9.35	14.27	14.27	9.35	23.06	20.02	23.04	19.74	19.51
4511-2206-360	22D	0.51	13.67	13.59	13.59	18.52	18.52	13.59	27.31	24.26	27.28	23.98	23.75
4511-2207-360	22D	0.48	5.89	5.84	5.84	10.77	10.77	5.84	19.56	16.51	19.53	16.23	16.00
4511-2208-360	22D	0.64	6.22	9.55	9.55	14.48	14.48	9.55	23.27	20.22	23.24	19.94	19.71
4511-2209-360	22D	0.51	6.35	NONE	NONE	4.95	4.95	NONE	NONE	NONE	13.72	10.41	NONE
4511-2210-360	22D	0.51	11.10	7.09	7.09	12.01	12.01	7.09	20.80	17.75	20.78	17.48	17.25
4511-2211-360	22D	0.48	6.76	4.98	4.98	9.91	9.91	4.98	18.69	15.65	18.67	15.37	15.14
4511-2212-360	22D	0.51	9.02	4.01	4.01	8.94	8.94	4.01	17.73	14.68	17.70	14.40	14.17
4511-2213-360	22D	0.53	8.76	8.71	8.71	13.64	13.64	8.71	22.43	19.38	22.40	19.10	18.87
4511-2214-360	22D	0.48	3.68	3.66	3.66	8.59	8.59	3.66	17.37	14.33	17.35	14.05	13.82
4511-2215-360	22D	0.53	7.19	7.14	7.14	12.07	12.07	7.14	20.85	17.81	20.83	17.53	17.30
4511-2216-360	22D	0.51	3.10	NONE	NONE	3.78	3.78	NONE	NONE	NONE	12.55	9.25	NONE
4511-2217-360	22D	0.48	4.52	11.79	11.79	16.71	16.71	11.79	25.50	22.45	25.48	22.17	21.95



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2218-360	22D	0.51	8.53	9.22	9.22	14.15	14.15	9.22	22.94	19.89	22.91	19.61	19.38
4511-2220-360	22D	0.48	7.01	7.24	7.24	12.17	12.17	7.24	20.96	17.91	20.93	17.63	17.40
4511-2221-360	22D	0.51	7.19	26.64	26.64	31.57	31.57	26.64	40.36	37.31	40.34	37.03	36.80
4511-2223-360	22D	0.64	9.27	11.96	11.96	16.89	16.89	11.96	25.68	22.63	25.65	22.35	22.12
4511-2225-360	22D	0.48	12.50	10.77	10.77	15.70	15.70	10.77	24.49	21.44	24.46	21.16	20.93
4511-2226-360	22D	0.61	2.90	NONE	NONE	3.30	3.30	NONE	NONE	NONE	12.07	8.76	NONE
4511-2227-360	22D	0.69	5.77	11.99	11.99	16.92	16.92	11.99	25.70	22.66	25.68	22.38	22.15
4511-2228-360	22D	0.64	10.06	1.04	1.04	5.97	5.97	1.04	14.76	11.71	14.73	11.43	11.20
4511-2229-360	22D	0.76	7.62	9.25	9.25	14.17	14.17	9.25	22.96	19.91	22.94	19.63	19.41
4511-2230-360	22D	0.51	5.59	1.37	1.37	6.30	6.30	1.37	15.09	12.04	15.06	11.76	11.53
4511-2231-360	22D	0.51	10.34	6.38	6.38	11.30	11.30	6.38	20.09	17.04	20.07	16.76	16.54
4511-2232-360	22D	0.51	11.43	5.94	5.94	10.87	10.87	5.94	19.66	16.61	19.63	16.33	16.10
4511-2233-360	22D	0.51	11.18	5.64	5.64	10.57	10.57	5.64	19.35	16.31	19.33	16.03	15.80
4511-2234-360	22D	0.51	7.04	3.07	3.07	8.00	8.00	3.07	16.79	13.74	16.76	13.46	13.23
4511-2235-360	22D	0.48	5.36	NONE	NONE	5.26	5.26	NONE	NONE	NONE	14.02	10.72	NONE
4511-2236-360	22D	0.48	4.57	4.55	4.55	9.47	9.47	4.55	18.26	15.21	18.24	14.94	14.71
4511-2237-360	22D	0.76	19.38	15.47	15.47	20.40	20.40	15.47	29.18	26.14	29.16	25.86	25.63
4511-2238-360	22D	0.76	22.68	18.77	18.77	23.70	23.70	18.77	32.49	29.44	32.46	29.16	28.93
4511-2239-360	22D	0.51	4.29	5.26	5.26	10.19	10.19	5.26	18.97	15.93	18.95	15.65	15.42
4511-2240-360	22D	0.48	3.33	NONE	NONE	3.12	3.12	NONE	NONE	NONE	11.89	8.59	NONE
4511-2241-360	22D	0.70	3.99	6.05	6.05	10.97	10.97	6.05	19.76	16.71	19.74	16.43	16.21
4511-2243-360	22D	0.48	3.99	5.41	5.41	10.34	10.34	5.41	19.13	16.08	19.10	15.80	15.57
4511-2244-360	22D	0.51	4.57	4.52	4.52	9.45	9.45	4.52	18.24	15.19	18.21	14.91	14.68
4511-2245-360	22D	0.51	3.07	4.65	4.65	9.58	9.58	4.65	18.36	15.32	18.34	15.04	14.81
4511-2246-360	22D	0.48	2.39	2.34	2.34	7.26	7.26	2.34	16.05	13.00	16.03	12.73	12.50
4511-2247-360	22D	0.64	8.36	10.31	10.31	15.24	15.24	10.31	24.03	20.98	24.00	20.70	20.47
4511-2248-360	22D	0.81	10.16	10.59	10.59	15.52	15.52	10.59	24.31	21.26	24.28	20.98	20.75
4511-2249-360	22D	0.56	4.32	6.73	6.73	11.66	11.66	6.73	20.45	17.40	20.42	17.12	16.89
3511-2250-360	22D	0.48	13.82	12.17	12.17	17.09	17.09	12.17	25.88	22.83	25.86	22.56	22.33
4511-2251-360	22D	0.48	5.99	10.59	10.59	15.52	15.52	10.59	24.31	21.26	24.28	20.98	20.75
4511-2252-360	22D	0.48	5.21	18.92	18.92	23.85	23.85	18.92	32.64	29.59	32.61	29.31	29.08
3511-2253-360	22D	0.48	12.70	15.57	15.57	20.50	20.50	15.57	29.29	26.24	29.26	25.96	25.73
4511-2254-360	22D	0.64	3.68	7.09	7.09	12.01	12.01	7.09	20.80	17.75	20.78	17.48	17.25
3511-2255-360	22D	0.64	11.30	14.76	14.76	19.69	19.69	14.76	28.47	25.43	28.45	25.15	24.92
4511-2256-360	22D	0.64	8.76	12.22	12.22	17.15	17.15	12.22	25.93	22.89	25.91	22.61	22.38
4511-2257-360	22D	0.74	3.00	9.19	9.19	14.12	14.12	9.19	22.91	19.86	22.89	19.58	19.35



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Aerotronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2258-360	22D	0.64	13.84	17.20	17.20	22.12	22.12	17.20	30.91	27.86	30.89	27.58	27.36
4511-2259-360	22D	0.79	19.35	15.47	15.47	20.40	20.40	15.47	29.18	26.14	29.16	25.86	25.63
4511-2260-360	22D	0.64	13.08	7.04	7.04	11.96	11.96	7.04	20.75	17.70	20.73	17.42	17.20
4511-2261-360	22D	0.76	3.76	8.53	8.53	13.46	13.46	8.53	22.25	19.20	22.23	18.92	18.69
4511-2262-360	22D	0.48	3.48	7.77	7.77	12.70	12.70	7.77	21.49	18.44	21.46	18.16	17.93
4511-2263-360	22D	0.48	6.38	14.45	14.45	19.38	19.38	14.45	28.17	25.12	28.14	24.84	24.61
4511-2264-360	22D	0.48	6.78	2.87	2.87	7.80	7.80	2.87	16.59	13.54	16.56	13.26	13.03
4511-2265-360	22D	0.48	10.41	10.59	10.59	15.52	15.52	10.59	24.31	21.26	24.28	20.98	20.75
4511-2266-360	22D	0.48	8.76	4.90	4.90	9.83	9.83	4.90	18.62	15.57	18.59	15.29	15.06
4511-2267-360	22D	0.48	10.92	7.06	7.06	11.99	11.99	7.06	20.78	17.73	20.75	17.45	17.22
4511-2268-360	22D	0.48	3.86	NONE	NONE	4.37	4.37	NONE	NONE	NONE	13.13	9.83	NONE
4511-2269-360	22D	0.48	3.99	NONE	NONE	1.57	1.57	NONE	NONE	NONE	10.34	7.04	NONE
4511-2270-360	22D	0.48	4.19	8.51	8.51	13.44	13.44	8.51	22.23	19.18	22.20	18.90	18.67
4511-2271-360	22D	0.64	16.00	19.41	19.41	24.33	24.33	19.41	33.12	30.07	33.10	29.79	29.57
3511-2272-360	22D	0.48	19.53	15.65	15.65	20.57	20.57	15.65	29.36	26.31	29.34	26.04	25.81
3511-2273-360	22D	0.48	12.93	6.60	6.60	11.53	11.53	6.60	20.32	17.27	20.29	16.99	16.76
4511-2274-360	22D	0.48	3.30	1.04	1.04	5.97	5.97	1.04	14.76	11.71	14.73	11.43	11.20
4511-2275-360	22D	0.48	5.08	6.76	6.76	11.68	11.68	6.76	20.47	17.42	20.45	17.15	16.92
4511-2276-360	22D	0.48	9.14	9.42	9.42	14.35	14.35	9.42	23.14	20.09	23.11	19.81	19.58
4511-2278-360	22D	0.48	6.10	6.53	6.53	11.46	11.46	6.53	20.24	17.20	20.22	16.92	16.69
4511-2279-360	22D	0.66	4.62	4.09	4.09	9.02	9.02	4.09	17.81	14.76	17.78	14.48	14.25
3511-2280-360	22D	0.48	14.68	12.93	12.93	17.86	17.86	12.93	26.64	23.60	26.62	23.32	23.09
3511-2281-360	22D	0.48	13.26	11.51	11.51	16.43	16.43	11.51	25.22	22.17	25.20	21.89	21.67
4511-2282-360	22D	0.48	6.10	5.92	5.92	10.85	10.85	5.92	19.63	16.59	19.61	16.31	16.08
4511-2283-360	22D	0.48	10.34	6.35	6.35	11.28	11.28	6.35	20.07	17.02	20.04	16.74	16.51
4511-2284-360	22D	0.48	5.21	0.97	0.97	5.89	5.89	0.97	14.68	11.63	14.66	11.35	11.13
4511-2285-360	22D	0.48	5.21	22.56	22.56	27.48	27.48	22.56	36.27	33.22	36.25	32.94	32.72
4511-2286-360	22D	0.48	8.23	31.62	31.62	36.55	36.55	31.62	45.34	42.29	45.31	42.01	41.78
4511-2287-360	22D	0.48	10.44	6.45	6.45	11.38	11.38	6.45	20.17	17.12	20.14	16.84	16.61
4511-2288-360	22D	0.48	6.10	5.92	5.92	10.85	10.85	5.92	19.63	16.59	19.61	16.31	16.08
3511-2289-360	22D	0.48	13.03	25.17	25.17	30.10	30.10	25.17	38.89	35.84	38.86	35.56	35.33
4511-2290-360	22D	0.48	3.56	NONE	NONE	3.48	3.48	NONE	NONE	NONE	12.24	8.94	NONE
4511-2291-360	22D	0.48	5.08	1.85	1.85	6.78	6.78	1.85	15.57	12.52	15.54	12.24	12.01
4511-2292-360	22D	0.48	5.59	NONE	NONE	2.59	2.59	NONE	NONE	NONE	11.35	8.05	NONE
4511-2293-360	22D	0.48	16.33	7.32	7.32	12.24	12.24	7.32	21.03	17.98	21.01	17.70	17.48
4511-2294-360	22D	0.48	7.42	5.66	5.66	10.59	10.59	5.66	19.38	16.33	19.35	16.05	15.82



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		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2295-360	22D	0.48	6.45	5.51	5.51	10.44	10.44	5.51	19.23	16.18	19.20	15.90	15.67
4511-2296-360	22D	0.48	2.18	4.09	4.09	9.02	9.02	4.09	17.81	14.76	17.78	14.48	14.25
4511-2297-360	22D	0.48	8.89	4.83	4.83	9.75	9.75	4.83	18.54	15.49	18.52	15.21	14.99
4511-2298-360	22D	0.48	11.86	10.11	10.11	15.04	15.04	10.11	23.83	20.78	23.80	20.50	20.27
4511-2299-360	22D	0.48	7.37	1.47	1.47	6.40	6.40	1.47	15.19	12.14	15.16	11.86	11.63
4511-2253B-360	22D	0.76	6.35	6.60	6.60	11.53	11.53	6.60	20.32	17.27	20.29	16.99	16.76
4511-2254B-360	22D	0.79	5.00	5.21	5.21	10.13	10.13	5.21	18.92	15.88	18.90	15.60	15.37
4511-2255B-360	22D	0.48	4.32	8.20	8.20	13.13	13.13	8.20	21.92	18.87	21.89	18.59	18.36
4511-2256B-360	22D	0.48	6.50	10.13	10.13	15.06	15.06	10.13	23.85	20.80	23.83	20.52	20.29
4511-2257B-360	22D	0.48	7.87	7.70	7.70	12.62	12.62	7.70	21.41	18.36	21.39	18.08	17.86
4511-2258B-360	22D	0.48	3.76	2.06	2.06	6.99	6.99	2.06	15.77	12.73	15.75	12.45	12.22
3511-2259B-360	22D	0.48	11.43	4.67	4.67	9.60	9.60	4.67	18.39	15.34	18.36	15.06	14.83
4511-2260B-360	22D	0.48	11.94	7.95	7.95	12.88	12.88	7.95	21.67	18.62	21.64	18.34	18.11
4511-2261B-360	22D	0.48	7.24	7.70	7.70	12.62	12.62	7.70	21.41	18.36	21.39	18.08	17.86
4511-2262B-360	22D	0.48	7.24	7.54	7.54	12.47	12.47	7.54	21.26	18.21	21.23	17.93	17.70
4511-2263B-360	22D	0.48	6.73	4.98	4.98	9.91	9.91	4.98	18.69	15.65	18.67	15.37	15.14
4511-2264B-360	22D	0.48	3.00	4.67	4.67	9.60	9.60	4.67	18.39	15.34	18.36	15.06	14.83
4511-2265B-360	22D	0.48	12.50	10.77	10.77	15.70	15.70	10.77	24.49	21.44	24.46	21.16	20.93
4511-2266B-360	22D	0.48	14.55	12.83	12.83	17.75	17.75	12.83	26.54	23.50	26.52	23.22	22.99
4511-2267B-360	22D	0.48	11.25	9.53	9.53	14.45	14.45	9.53	23.24	20.19	23.22	19.91	19.69
4511-2268B-360	22D	0.48	9.02	21.97	21.97	26.90	26.90	21.97	35.69	32.64	35.66	32.36	32.13
4511-2269B-360	22D	0.48	8.00	4.01	4.01	8.94	8.94	4.01	17.73	14.68	17.70	14.40	14.17
4511-2270B-360	22D	0.48	2.54	4.22	4.22	9.14	9.14	4.22	17.93	14.88	17.91	14.61	14.38
4511-2271B-360	22D	0.48	7.24	7.19	7.19	12.12	12.12	7.19	20.90	17.86	20.88	17.58	17.35
4511-2272B-360	22D	0.48	15.19	11.76	11.76	16.69	16.69	11.76	25.48	22.43	25.45	22.15	21.92
4511-2273B-360	22D	0.48	3.18	NONE	NONE	1.83	1.83	NONE	NONE	NONE	10.59	7.29	NONE
4511-2274B-360	22D	0.48	11.33	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60
4511-2275B-360	22D	0.48	11.81	7.82	7.82	12.75	12.75	7.82	21.54	18.49	21.51	18.21	17.98
4511-2276B-360	22D	0.48	11.13	14.05	14.05	18.97	18.97	14.05	27.76	24.71	27.74	24.43	24.21
4511-2277B-360	22D	0.48	18.92	30.89	30.89	35.81	35.81	30.89	44.60	41.55	44.58	41.28	41.05
4511-2278B-360	22D	0.48	10.82	6.83	6.83	11.76	11.76	6.83	20.55	17.50	20.52	17.22	16.99
4511-2279B-360	22D	0.48	9.93	8.18	8.18	13.11	13.11	8.18	21.89	18.85	21.87	18.57	18.34
4511-2281B-360	22D	0.48	5.28	5.31	5.31	10.24	10.24	5.31	19.02	15.98	19.00	15.70	15.47
4511-2282B-360	22D	0.48	3.99	12.19	12.19	17.12	17.12	12.19	25.91	22.86	25.88	22.58	22.35
4511-2283B-360	22D	0.48	4.75	3.00	3.00	7.92	7.92	3.00	16.71	13.67	16.69	13.39	13.16
4511-2284B-360	22D	0.48	8.03	3.15	3.15	8.08	8.08	3.15	16.87	13.82	16.84	13.54	13.31



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2285B-360	22D	0.48	4.93	9.50	9.50	14.43	14.43	9.50	23.22	20.17	23.19	19.89	19.66
4511-2286B-360	22D	0.48	4.88	10.24	10.24	15.16	15.16	10.24	23.95	20.90	23.93	20.62	20.40
4511-2287B-360	22D	0.48	10.67	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-2288B-360	22D	0.48	3.10	NONE	NONE	3.78	3.78	NONE	NONE	NONE	12.55	9.25	NONE
4511-2289B-360	22D	0.48	6.35	14.43	14.43	19.35	19.35	14.43	28.14	25.10	28.12	24.82	24.59
4511-2290B-360	22D	0.48	5.66	1.42	1.42	6.35	6.35	1.42	15.14	12.09	15.11	11.81	11.58
4511-2291B-360	22D	0.48	7.47	NONE	NONE	3.35	3.35	NONE	NONE	NONE	12.12	8.81	NONE
4511-2292B-360	22D	0.48	10.01	0.97	0.97	5.89	5.89	0.97	14.68	11.63	14.66	11.35	11.13
4511-2293B-360	22D	0.48	2.54	4.27	4.27	9.19	9.19	4.27	17.98	14.94	17.96	14.66	14.43
4511-2294B-360	22D	0.48	10.92	9.09	9.09	14.02	14.02	9.09	22.81	19.76	22.78	19.48	19.25
4511-2295B-360	22D	0.48	5.77	5.72	5.72	10.64	10.64	5.72	19.43	16.38	19.41	16.10	15.88
4511-2296B-360	22D	0.48	7.49	NONE	NONE	5.00	5.00	NONE	NONE	NONE	13.77	10.46	NONE
4511-2297B-360	22D	0.48	13.00	11.25	11.25	16.18	16.18	11.25	24.97	21.92	24.94	21.64	21.41
4511-2298B-360	22D	0.48	7.21	5.38	5.38	10.31	10.31	5.38	19.10	16.05	19.08	15.77	15.54
4511-2299B-360	22D	0.48	8.69	8.66	8.66	13.59	13.59	8.66	22.38	19.33	22.35	19.05	18.82
4511-2200-361	22M	0.51	11.43	5.66	5.66	10.59	10.59	5.66	19.38	16.33	19.35	16.05	15.82
4511-2201-361	22M	0.56	4.75	8.13	8.13	13.06	13.06	8.13	21.84	18.80	21.82	18.52	18.29
3511-2202-361	22M	0.48	14.27	13.36	13.36	18.29	18.29	13.36	27.08	24.03	27.05	23.75	23.52
4511-2202-361	22M	0.48	14.27	13.36	13.36	18.29	18.29	13.36	27.08	24.03	27.05	23.75	23.52
1511-2203-361	22M	0.48	9.60	5.89	5.89	10.82	10.82	5.89	19.61	16.56	19.58	16.28	16.05
3511-2203-361	22M	0.48	9.60	5.89	5.89	10.82	10.82	5.89	19.61	16.56	19.58	16.28	16.05
4511-2203-361	22M	0.48	9.60	5.89	5.89	10.82	10.82	5.89	19.61	16.56	19.58	16.28	16.05
4511-2204-361	22M	0.48	7.75	23.50	23.50	28.42	28.42	23.50	37.21	34.16	37.19	33.88	33.66
4511-2205-361	22M	0.48	7.75	1.60	1.60	6.53	6.53	1.60	15.32	12.27	15.29	11.99	11.76
1511-2206-361	22M	0.48	12.42	8.74	8.74	13.67	13.67	8.74	22.45	19.41	22.43	19.13	18.90
3511-2206-361	22M	0.48	12.42	8.74	8.74	13.67	13.67	8.74	22.45	19.41	22.43	19.13	18.90
4511-2206-361	22M	0.48	12.42	8.74	8.74	13.67	13.67	8.74	22.45	19.41	22.43	19.13	18.90
3511-2207-361	22M	0.48	19.41	17.65	17.65	22.58	22.58	17.65	31.37	28.32	31.34	28.04	27.81
4511-2207-361	22M	0.48	19.41	17.65	17.65	22.58	22.58	17.65	31.37	28.32	31.34	28.04	27.81
4511-2208-361	22M	0.48	5.08	1.85	1.85	6.78	6.78	1.85	15.57	12.52	15.54	12.24	12.01
4511-2209-361	22M	0.64	9.98	0.97	0.97	5.89	5.89	0.97	14.68	11.63	14.66	11.35	11.13
4511-2210-361	22M	0.48	3.91	NONE	NONE	1.57	1.57	NONE	NONE	NONE	10.34	7.04	NONE
3511-2211-361	22M	0.48	7.62	2.64	2.64	7.57	7.57	2.64	16.36	13.31	16.33	13.03	12.80
4511-2211-361	22M	0.48	7.62	2.64	2.64	7.57	7.57	2.64	16.36	13.31	16.33	13.03	12.80
4511-2212-361	22M	0.51	8.94	3.99	3.99	8.92	8.92	3.99	17.70	14.66	17.68	14.38	14.15
4511-2213-361	22M	0.48	11.28	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60



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		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2214-361	22M	0.48	2.29	8.46	8.46	13.39	13.39	8.46	22.17	19.13	22.15	18.85	18.62
4511-2215-361	22M	0.48	4.09	NONE	NONE	5.28	5.28	NONE	NONE	NONE	14.05	10.74	NONE
1511-2216-361	22M	0.48	8.94	5.03	5.03	9.96	9.96	5.03	18.75	15.70	18.72	15.42	15.19
1511-2217-361	22M	0.48	3.00	4.70	4.70	9.63	9.63	4.70	18.42	15.37	18.39	15.09	14.86
4511-2218-361	22M	0.48	3.51	5.21	5.21	10.13	10.13	5.21	18.92	15.88	18.90	15.60	15.37
4511-2219-361	22M	0.48	3.99	5.69	5.69	10.62	10.62	5.69	19.41	16.36	19.38	16.08	15.85
4511-2221-361	22M	0.48	4.50	6.20	6.20	11.13	11.13	6.20	19.91	16.87	19.89	16.59	16.36
4511-2223-361	22M	0.48	5.00	6.71	6.71	11.63	11.63	6.71	20.42	17.37	20.40	17.09	16.87
4511-2225-361	22M	0.48	5.51	7.21	7.21	12.14	12.14	7.21	20.93	17.88	20.90	17.60	17.37
4511-2226-361	22M	0.48	14.55	12.83	12.83	17.75	17.75	12.83	26.54	23.50	26.52	23.22	22.99
4511-2227-361	22M	0.48	5.99	7.70	7.70	12.62	12.62	7.70	21.41	18.36	21.39	18.08	17.86
4511-2228-361	22M	0.48	6.78	7.04	7.04	11.96	11.96	7.04	20.75	17.70	20.73	17.42	17.20
4511-2229-361	22M	0.51	7.26	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60
3591-2230-361	22M	0.46	9.98	0.97	0.97	5.89	5.89	0.97	14.68	11.63	14.66	11.35	11.13
3591-2231-361	22M	0.46	16.33	7.32	7.32	12.24	12.24	7.32	21.03	17.98	21.01	17.70	17.48
3591-2232-361	22M	0.46	7.44	NONE	NONE	3.35	3.35	NONE	NONE	NONE	12.12	8.81	NONE
3591-2233-361	22M	0.64	9.98	0.97	0.97	5.89	5.89	0.97	14.68	11.63	14.66	11.35	11.13
3591-2234-361	22M	0.46	16.33	7.32	7.32	12.24	12.24	7.32	21.03	17.98	21.01	17.70	17.48
3591-2235-361	22M	0.46	7.44	NONE	NONE	3.35	3.35	NONE	NONE	NONE	12.12	8.81	NONE
3591-2236-361	22M	0.64	9.98	0.97	0.97	5.89	5.89	0.97	14.68	11.63	14.66	11.35	11.13
4511-2240-361	22M	0.48	3.00	5.54	5.54	10.46	10.46	5.54	19.25	16.21	19.23	15.93	15.70
4511-2241-361	22M	0.48	3.51	6.05	6.05	10.97	10.97	6.05	19.76	16.71	19.74	16.43	16.21
4511-2242-361	22M	0.48	3.99	6.53	6.53	11.46	11.46	6.53	20.24	17.20	20.22	16.92	16.69
4511-2243-361	22M	0.48	4.50	7.04	7.04	11.96	11.96	7.04	20.75	17.70	20.73	17.42	17.20
4511-2244-361	22M	0.48	5.00	7.54	7.54	12.47	12.47	7.54	21.26	18.21	21.23	17.93	17.70
4511-2245-361	22M	0.48	5.51	8.05	8.05	12.98	12.98	8.05	21.77	18.72	21.74	18.44	18.21
4511-2246-361	22M	0.48	5.99	8.53	8.53	13.46	13.46	8.53	22.25	19.20	22.23	18.92	18.69
4511-2247-361	22M	0.51	19.53	15.60	15.60	20.52	20.52	15.60	29.31	26.26	29.29	25.98	25.76
4511-2248-361	22M	0.48	8.08	11.84	11.84	16.76	16.76	11.84	25.55	22.50	25.53	22.23	22.00
4511-2249-361	22M	0.48	10.49	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
1511-2250-361	22M	0.48	12.75	6.60	6.60	11.53	11.53	6.60	20.32	17.27	20.29	16.99	16.76
3511-2250-361	22M	0.48	12.75	6.60	6.60	11.53	11.53	6.60	20.32	17.27	20.29	16.99	16.76
4511-2251-361	22M	0.48	6.76	3.05	3.05	7.98	7.98	3.05	16.76	13.72	16.74	13.44	13.21
4511-2252-361	22M	0.48	5.92	NONE	NONE	4.70	4.70	NONE	NONE	NONE	13.46	10.16	NONE
1511-2254-361	22M	0.48	19.35	15.65	15.65	20.57	20.57	15.65	29.36	26.31	29.34	26.04	25.81
3511-2254-361	22M	0.48	19.35	15.65	15.65	20.57	20.57	15.65	29.36	26.31	29.34	26.04	25.81



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2255-361	22M	0.48	5.49	3.91	3.91	8.84	8.84	3.91	17.63	14.58	17.60	14.30	14.07
4511-2256-361	22M	0.48	4.09	NONE	NONE	5.28	5.28	NONE	NONE	NONE	14.05	10.74	NONE
4511-2257-361	22M	0.48	3.76	NONE	NONE	3.20	3.20	NONE	NONE	NONE	11.96	8.66	NONE
4511-2258-361	22M	0.48	7.19	NONE	NONE	1.63	1.63	NONE	NONE	NONE	10.39	7.09	NONE
4511-2259-361	22M	0.48	14.33	12.57	12.57	17.50	17.50	12.57	26.29	23.24	26.26	22.96	22.73
4511-2260-361	22M	0.74	7.11	6.58	6.58	11.51	11.51	6.58	20.29	17.25	20.27	16.97	16.74
4511-2261-361	22M	0.48	3.86	NONE	NONE	4.37	4.37	NONE	NONE	NONE	13.13	9.83	NONE
4511-2262-361	22M	0.48	6.35	NONE	NONE	4.95	4.95	NONE	NONE	NONE	13.72	10.41	NONE
4511-2263-361	22M	0.48	5.97	4.19	4.19	9.12	9.12	4.19	17.91	14.86	17.88	14.58	14.35
4511-2264-361	22M	0.48	6.81	10.57	10.57	15.49	15.49	10.57	24.28	21.23	24.26	20.96	20.73
4511-2265-361	22M	0.48	7.37	1.04	1.04	5.97	5.97	1.04	14.76	11.71	14.73	11.43	11.20
3511-2266-361	22M	0.48	16.03	12.14	12.14	17.07	17.07	12.14	25.86	22.81	25.83	22.53	22.30
4511-2267-361	22M	0.48	4.78	6.55	6.55	11.48	11.48	6.55	20.27	17.22	20.24	16.94	16.71
4511-2268-361	22M	0.48	8.38	6.63	6.63	11.56	11.56	6.63	20.35	17.30	20.32	17.02	16.79
4511-2269-361	22M	0.48	5.66	NONE	NONE	4.45	4.45	NONE	NONE	NONE	13.21	9.91	NONE
4511-2000-363	20	0.64	7.54	5.94	5.94	10.87	10.87	5.94	19.66	16.61	19.63	16.33	16.10
4511-2001-363	20	0.66	5.08	8.10	8.10	13.03	13.03	8.10	21.82	18.77	21.79	18.49	18.26
1511-2002-363	20	0.48	10.97	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-2002-363	20	0.48	11.05	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-2003-363	20	0.48	3.45	3.71	3.71	8.64	8.64	3.71	17.42	14.38	17.40	14.10	13.87
4511-2004-363	20	0.51	6.35	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60
4511-2005-363	20	0.48	5.72	NONE	NONE	3.73	3.73	NONE	NONE	NONE	12.50	9.19	NONE
4511-2006-363	20	0.48	7.62	5.49	5.49	10.41	10.41	5.49	19.20	16.15	19.18	15.88	15.65
4511-2007-363	20	0.64	9.58	3.86	3.86	8.79	8.79	3.86	17.58	14.53	17.55	14.25	14.02
4511-2008-363	20	0.64	8.71	1.60	1.60	6.53	6.53	1.60	15.32	12.27	15.29	11.99	11.76
4511-2009-363	20	0.64	10.19	3.91	3.91	8.84	8.84	3.91	17.63	14.58	17.60	14.30	14.07
3511-2010-363	20	0.48	2.16	5.66	5.66	10.59	10.59	5.66	19.38	16.33	19.35	16.05	15.82
1511-2011-363	20	0.48	10.31	5.72	5.72	10.64	10.64	5.72	19.43	16.38	19.41	16.10	15.88
1511-2012-363	20	0.48	10.41	3.58	3.58	8.51	8.51	3.58	17.30	14.25	17.27	13.97	13.74
4511-2013-363	20	0.48	8.51	1.60	1.60	6.53	6.53	1.60	15.32	12.27	15.29	11.99	11.76
4511-2014-363	20	0.48	3.43	NONE	NONE	1.45	1.45	NONE	NONE	NONE	10.21	6.91	NONE
4511-2015-363	20	0.48	23.72	16.81	16.81	21.74	21.74	16.81	30.53	27.48	30.51	27.20	26.97
4511-2016-363	20	0.48	5.08	1.85	1.85	6.78	6.78	1.85	15.57	12.52	15.54	12.24	12.01
4511-2017-363	20	0.48	12.22	5.49	5.49	10.41	10.41	5.49	19.20	16.15	19.18	15.88	15.65
4511-2018-363	20	0.48	8.69	6.55	6.55	11.48	11.48	6.55	20.27	17.22	20.24	16.94	16.71
4511-2021-363	20	0.48	6.35	4.29	4.29	9.22	9.22	4.29	18.01	14.96	17.98	14.68	14.45



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		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2022-363	20	0.48	6.35	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60
4511-2023-363	20	0.48	2.29	3.96	3.96	8.89	8.89	3.96	17.68	14.63	17.65	14.35	14.12
4511-2024-363	20	0.48	8.31	6.17	6.17	11.10	11.10	6.17	19.89	16.84	19.86	16.56	16.33
4511-2025-363	20	0.48	18.08	15.95	15.95	20.88	20.88	15.95	29.67	26.62	29.64	26.34	26.11
4511-2026-363	20	0.48	6.10	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-2027-363	20	0.48	8.38	6.63	6.63	11.56	11.56	6.63	20.35	17.30	20.32	17.02	16.79
4511-2028-363	20	0.48	6.96	2.54	2.54	7.47	7.47	2.54	16.26	13.21	16.23	12.93	12.70
4511-2029-363	20	0.48	10.67	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-2030-363	20	1.02	6.99	11.35	11.35	16.28	16.28	11.35	25.07	22.02	25.04	21.74	21.51
4511-2031-363	20	0.64	14.00	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-2032-363	20	0.58	7.01	10.46	10.46	15.39	15.39	10.46	24.18	21.13	24.16	20.85	20.62
4511-2033-363	20	0.64	4.06	3.66	3.66	8.59	8.59	3.66	17.37	14.33	17.35	14.05	13.82
4511-2034-363	20	0.64	4.95	4.55	4.55	9.47	9.47	4.55	18.26	15.21	18.24	14.94	14.71
4511-2035-363	20	0.64	8.05	6.68	6.68	11.61	11.61	6.68	20.40	17.35	20.37	17.07	16.84
3511-2036-363	20	0.48	16.21	14.20	14.20	19.13	19.13	14.20	27.91	24.87	27.89	24.59	24.36
4511-2237-363	20	0.48	9.60	5.82	5.82	10.74	10.74	5.82	19.53	16.48	19.51	16.21	15.98
4511-2038-363	20	0.48	12.75	8.76	8.76	13.69	13.69	8.76	22.48	19.43	22.45	19.15	18.92
4511-2039-363	20	0.76	3.45	3.71	3.71	8.64	8.64	3.71	17.42	14.38	17.40	14.10	13.87
4511-2040-363	20	0.48	16.13	14.17	14.17	19.10	19.10	14.17	27.89	24.84	27.86	24.56	24.33
4511-2041-363	20	0.48	3.89	9.42	9.42	14.35	14.35	9.42	23.14	20.09	23.11	19.81	19.58
4511-2042-363	20	0.48	23.55	21.95	21.95	26.87	26.87	21.95	35.66	32.61	35.64	32.33	32.11
4511-2043-363	20	0.71	3.05	7.59	7.59	12.52	12.52	7.59	21.31	18.26	21.29	17.98	17.75
4511-2044-363	20	0.48	7.59	3.00	3.00	7.92	7.92	3.00	16.71	13.67	16.69	13.39	13.16
4511-2045-363	20	0.48	10.92	5.77	5.77	10.69	10.69	5.77	19.48	16.43	19.46	16.15	15.93
4511-2046-363	20	0.48	6.43	NONE	NONE	4.45	4.45	NONE	NONE	NONE	13.21	9.91	NONE
4511-2047-363	20	0.48	10.08	5.41	5.41	10.34	10.34	5.41	19.13	16.08	19.10	15.80	15.57
4511-2048-363	20	0.48	9.58	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60
4511-2049-363	20	0.48	8.92	6.93	6.93	11.86	11.86	6.93	20.65	17.60	20.62	17.32	17.09
3511-2050-363	20	0.64	24.08	18.36	18.36	23.29	23.29	18.36	32.08	29.03	32.05	28.75	28.52
3511-2051-363	20	0.64	22.68	17.70	17.70	22.63	22.63	17.70	31.42	28.37	31.39	28.09	27.86
3511-2052-363	20	0.81	22.68	17.70	17.70	22.63	22.63	17.70	31.42	28.37	31.39	28.09	27.86
4511-2053-363	20	0.48	12.37	10.24	10.24	15.16	15.16	10.24	23.95	20.90	23.93	20.62	20.40
4511-2054-363	20	0.48	10.72	3.81	3.81	8.74	8.74	3.81	17.53	14.48	17.50	14.20	13.97
4511-2055-363	20	0.48	6.35	10.87	10.87	15.80	15.80	10.87	24.59	21.54	24.56	21.26	21.03
4511-2056-363	20	0.48	6.99	NONE	NONE	5.64	5.64	NONE	NONE	NONE	14.40	11.10	NONE
4511-2057-363	20	0.48	6.83	4.70	4.70	9.63	9.63	4.70	18.42	15.37	18.39	15.09	14.86



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Aerotronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2058-363	20	0.48	6.15	NONE	NONE	4.75	4.75	NONE	NONE	NONE	13.51	10.21	NONE
4511-2059-363	20	0.48	11.28	9.53	9.53	14.45	14.45	9.53	23.24	20.19	23.22	19.91	19.69
3511-2060-363	20	0.64	3.00	4.70	4.70	9.63	9.63	4.70	18.42	15.37	18.39	15.09	14.86
4511-2061-363	20	0.64	3.51	5.21	5.21	10.13	10.13	5.21	18.92	15.88	18.90	15.60	15.37
4511-2062-363	20	0.64	3.99	5.69	5.69	10.62	10.62	5.69	19.41	16.36	19.38	16.08	15.85
4511-2063-363	20	0.64	4.50	6.20	6.20	11.13	11.13	6.20	19.91	16.87	19.89	16.59	16.36
4511-2064-363	20	0.64	5.00	6.71	6.71	11.63	11.63	6.71	20.42	17.37	20.40	17.09	16.87
4511-2065-363	20	0.64	5.51	7.21	7.21	12.14	12.14	7.21	20.93	17.88	20.90	17.60	17.37
4511-2066-363	20	0.64	5.99	7.70	7.70	12.62	12.62	7.70	21.41	18.36	21.39	18.08	17.86
4511-2067-363	20	0.64	3.00	5.54	5.54	10.46	10.46	5.54	19.25	16.21	19.23	15.93	15.70
4511-2068-363	20	0.64	3.51	6.05	6.05	10.97	10.97	6.05	19.76	16.71	19.74	16.43	16.21
4511-2069-363	20	0.64	3.99	6.53	6.53	11.46	11.46	6.53	20.24	17.20	20.22	16.92	16.69
4511-2070-363	20	0.64	4.50	7.04	7.04	11.96	11.96	7.04	20.75	17.70	20.73	17.42	17.20
4511-2071-363	20	0.64	5.00	7.54	7.54	12.47	12.47	7.54	21.26	18.21	21.23	17.93	17.70
4511-2072-363	20	0.64	5.51	8.05	8.05	12.98	12.98	8.05	21.77	18.72	21.74	18.44	18.21
4511-2073-363	20	0.64	5.99	8.53	8.53	13.46	13.46	8.53	22.25	19.20	22.23	18.92	18.69
4511-2074-363	20	0.76	19.53	15.60	15.60	20.52	20.52	15.60	29.31	26.26	29.29	25.98	25.76
4511-2075-363	20	0.99	7.11	6.58	6.58	11.51	11.51	6.58	20.29	17.25	20.27	16.97	16.74
4511-2076-363	20	0.66	9.75	10.95	10.95	15.88	15.88	10.95	24.66	21.62	24.64	21.34	21.11
4511-2077-363	20	0.48	16.31	14.17	14.17	19.10	19.10	14.17	27.89	24.84	27.86	24.56	24.33
4511-2078-363	20	0.48	7.62	5.49	5.49	10.41	10.41	5.49	19.20	16.15	19.18	15.88	15.65
4511-2079-363	20	0.48	11.05	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-2080-363	20	0.64	6.02	NONE	NONE	4.70	4.70	NONE	NONE	NONE	13.46	10.16	NONE
4511-2081-363	20	0.64	6.15	4.60	4.60	9.53	9.53	4.60	18.31	15.27	18.29	14.99	14.76
4511-2082-363	20	0.64	9.73	2.82	2.82	7.75	7.75	2.82	16.54	13.49	16.51	13.21	12.98
4511-2083-363	20	0.64	14.38	12.85	12.85	17.78	17.78	12.85	26.57	23.52	26.54	23.24	23.01
4511-2084-363	20	0.64	24.00	18.36	18.36	23.29	23.29	18.36	32.08	29.03	32.05	28.75	28.52
4511-2085-363	20	0.64	19.35	15.65	15.65	20.57	20.57	15.65	29.36	26.31	29.34	26.04	25.81
4511-2086-363	20	0.64	8.13	4.52	4.52	9.45	9.45	4.52	18.24	15.19	18.21	14.91	14.68
4511-2087-363	20	0.48	6.58	NONE	NONE	5.18	5.18	NONE	NONE	NONE	13.94	10.64	NONE
4511-2088-363	20	0.48	5.92	2.34	2.34	7.26	7.26	2.34	16.05	13.00	16.03	12.73	12.50
4511-2089-363	20	0.48	11.13	4.22	4.22	9.14	9.14	4.22	17.93	14.88	17.91	14.61	14.38
4511-2090-363	20	0.48	5.41	5.56	5.56	10.49	10.49	5.56	19.28	16.23	19.25	15.95	15.72
4511-2091-363	20	0.64	3.81	5.54	5.54	10.46	10.46	5.54	19.25	16.21	19.23	15.93	15.70
3511-2092-363	20	0.64	12.45	10.62	10.62	15.54	15.54	10.62	24.33	21.29	24.31	21.01	20.78
4511-2093-363	20	0.86	12.45	3.91	3.91	8.84	8.84	3.91	17.63	14.58	17.60	14.30	14.07



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		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-2094-363	20	0.48	7.24	6.78	6.78	11.71	11.71	6.78	20.50	17.45	20.47	17.17	16.94
4511-2095-363	20	0.48	5.72	3.58	3.58	8.51	8.51	3.58	17.30	14.25	17.27	13.97	13.74
4511-2096-363	20	0.48	13.00	11.25	11.25	16.18	16.18	11.25	24.97	21.92	24.94	21.64	21.41
4511-2097-363	20	0.48	14.20	12.45	12.45	17.37	17.37	12.45	26.16	23.11	26.14	22.83	22.61
4511-2098-363	20	0.48	13.77	11.63	11.63	16.56	16.56	11.63	25.35	22.30	25.32	22.02	21.79
4511-2099-363	20	0.48	10.54	6.55	6.55	11.48	11.48	6.55	20.27	17.22	20.24	16.94	16.71
4511-2002E-363	20	0.48	2.29	4.27	4.27	9.19	9.19	4.27	17.98	14.94	17.96	14.66	14.43
4511-2003E-363	20	0.48	2.92	4.27	4.27	9.19	9.19	4.27	17.98	14.94	17.96	14.66	14.43
4511-2004E-363	20	0.48	6.63	2.92	2.92	7.85	7.85	2.92	16.64	13.59	16.61	13.31	13.08
4511-2005E-363	20	0.48	7.24	7.70	7.70	12.62	12.62	7.70	21.41	18.36	21.39	18.08	17.86
4511-2006E-363	20	0.48	6.88	8.10	8.10	13.03	13.03	8.10	21.82	18.77	21.79	18.49	18.26
4511-2007E-363	20	0.48	13.84	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60
4511-2008E-363	20	0.48	7.49	12.01	12.01	16.94	16.94	12.01	25.73	22.68	25.70	22.40	22.17
4511-2010E-363	20	0.48	5.59	10.87	10.87	15.80	15.80	10.87	24.59	21.54	24.56	21.26	21.03
4511-2011E-363	20	0.48	2.41	16.21	16.21	21.13	21.13	16.21	29.92	26.87	29.90	26.59	26.37
4511-2012E-363	20	0.48	8.46	2.06	2.06	6.99	6.99	2.06	15.77	12.73	15.75	12.45	12.22
4511-2013E-363	20	1.02	6.35	1.19	11.86	16.79	16.79	11.86	14.90	22.53	25.55	22.25	22.02
4511-1600-364	16	1.57	13.92	8.94	8.94	13.87	13.87	8.94	22.66	19.61	22.63	19.33	19.10
4511-1601-364	16	1.57	8.69	8.66	8.66	13.59	13.59	8.66	22.38	19.33	22.35	19.05	18.82
4511-1602-364	16	1.57	7.80	1.60	1.60	6.53	6.53	1.60	15.32	12.27	15.29	11.99	11.76
4511-1603-364	16	1.22	13.89	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-1604-364	16	1.57	9.83	2.87	2.87	7.80	7.80	2.87	16.59	13.54	16.56	13.26	13.03
4511-1605-364	16	1.45	3.00	9.19	9.19	14.12	14.12	9.19	22.91	19.86	22.89	19.58	19.35
4511-1606-364	16	1.27	4.32	7.19	7.19	12.12	12.12	7.19	20.90	17.86	20.88	17.58	17.35
4511-1607-364	16	1.57	19.10	15.42	15.42	20.35	20.35	15.42	29.13	26.09	29.11	25.81	25.58
4511-1608-364	16	1.57	2.29	3.96	3.96	8.89	8.89	3.96	17.68	14.63	17.65	14.35	14.12
4511-1609-364	16	1.57	13.92	11.46	11.46	16.38	16.38	11.46	25.17	22.12	25.15	21.84	21.62
4511-1610-364	16	0.64	11.07	8.94	8.94	13.87	13.87	8.94	22.66	19.61	22.63	19.33	19.10
4511-1611-364	16	0.64	4.19	3.66	3.66	8.59	8.59	3.66	17.37	14.33	17.35	14.05	13.82
4511-1612-364	16	0.64	5.08	4.55	4.55	9.47	9.47	4.55	18.26	15.21	18.24	14.94	14.71
4511-1613-364	16	0.64	6.05	5.51	5.51	10.44	10.44	5.51	19.23	16.18	19.20	15.90	15.67
4511-1614-364	16	1.57	5.72	NONE	NONE	3.73	3.73	NONE	NONE	NONE	12.50	9.19	NONE
4511-1615-364	16	1.57	6.45	NONE	NONE	5.18	5.18	NONE	NONE	NONE	13.94	10.64	NONE
4511-1618-364	16	0.64	2.16	5.66	5.66	10.59	10.59	5.66	19.38	16.33	19.35	16.05	15.82
4511-1620-364	16	1.02	13.92	6.58	6.58	11.51	11.51	6.58	20.29	17.25	20.27	16.97	16.74
4511-1621-364	16	1.02	15.98	8.64	8.64	13.56	13.56	8.64	22.35	19.30	22.33	19.02	18.80



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		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-1630-364	16	0.89	3.43	NONE	NONE	3.81	3.81	NONE	NONE	NONE	12.57	9.27	NONE
4511-1640-364	16	1.57	3.00	4.70	4.70	9.63	9.63	4.70	18.42	15.37	18.39	15.09	14.86
4511-1641-364	16	1.57	3.51	5.21	5.21	10.13	10.13	5.21	18.92	15.88	18.90	15.60	15.37
4511-1642-364	16	1.57	3.99	5.69	5.69	10.62	10.62	5.69	19.41	16.36	19.38	16.08	15.85
4511-1643-364	16	1.57	4.50	6.20	6.20	11.13	11.13	6.20	19.91	16.87	19.89	16.59	16.36
4511-1644-364	16	1.57	5.00	6.71	6.71	11.63	11.63	6.71	20.42	17.37	20.40	17.09	16.87
4511-1645-364	16	1.57	5.51	7.21	7.21	12.14	12.14	7.21	20.93	17.88	20.90	17.60	17.37
4511-1646-364	16	1.57	5.99	7.70	7.70	12.62	12.62	7.70	21.41	18.36	21.39	18.08	17.86
4511-1647-364	16	1.57	3.00	5.54	5.54	10.46	10.46	5.54	19.25	16.21	19.23	15.93	15.70
4511-1648-364	16	1.57	3.51	6.05	6.05	10.97	10.97	6.05	19.76	16.71	19.74	16.43	16.21
4511-1649-364	16	1.57	3.99	6.53	6.53	11.46	11.46	6.53	20.24	17.20	20.22	16.92	16.69
4511-1650-364	16	1.57	4.50	7.04	7.04	11.96	11.96	7.04	20.75	17.70	20.73	17.42	17.20
4511-1651-364	16	1.57	5.00	7.54	7.54	12.47	12.47	7.54	21.26	18.21	21.23	17.93	17.70
4511-1652-364	16	1.57	5.51	8.05	8.05	12.98	12.98	8.05	21.77	18.72	21.74	18.44	18.21
4511-1653-364	16	1.57	5.99	8.53	8.53	13.46	13.46	8.53	22.25	19.20	22.23	18.92	18.69
4511-1654-364	16	1.22	22.68	17.70	17.70	22.63	22.63	17.70	31.42	28.37	31.39	28.09	27.86
4511-1655-364	16	1.52	19.53	15.60	15.60	20.52	20.52	15.60	29.31	26.26	29.29	25.98	25.76
4511-1656-364	16	1.57	7.65	5.82	5.82	10.74	10.74	5.82	19.53	16.48	19.51	16.21	15.98
4511-1657-364	16	1.57	11.02	6.76	6.76	11.68	11.68	6.76	20.47	17.42	20.45	17.15	16.92
4511-1658-364	16	0.99	3.05	7.59	7.59	12.52	12.52	7.59	21.31	18.26	21.29	17.98	17.75
4511-1659-364	16	1.57	7.11	7.14	7.14	12.07	12.07	7.14	20.85	17.81	20.83	17.53	17.30
4511-1660-364	16	1.57	5.41	5.56	5.56	10.49	10.49	5.56	19.28	16.23	19.25	15.95	15.72
4511-1661-364	16	1.57	10.49	5.72	5.72	10.64	10.64	5.72	19.43	16.38	19.41	16.10	15.88
4511-1662-364	16	1.57	6.07	1.30	1.30	6.22	6.22	1.30	15.01	11.96	14.99	11.68	11.46
4511-1663-364	16	1.57	10.87	6.07	6.07	11.00	11.00	6.07	19.79	16.74	19.76	16.46	16.23
4511-1664-364	16	1.57	4.55	NONE	NONE	4.50	4.50	NONE	NONE	NONE	13.26	9.96	NONE
4511-1665-364	16	1.57	16.59	11.61	11.61	16.54	16.54	11.61	25.32	22.28	25.30	22.00	21.77
4511-1666-364	16	1.57	10.67	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-1667-364	16	1.57	8.38	6.63	6.63	11.56	11.56	6.63	20.35	17.30	20.32	17.02	16.79
4511-1668-364	16	1.57	6.27	2.03	2.03	6.96	6.96	2.03	15.75	12.70	15.72	12.42	12.19
4511-1669-364	16	1.57	12.75	8.76	8.76	13.69	13.69	8.76	22.48	19.43	22.45	19.15	18.92
4511-1670-364	16	1.57	16.13	14.17	14.17	19.10	19.10	14.17	27.89	24.84	27.86	24.56	24.33
4511-1671-364	16	1.57	6.78	1.85	1.85	6.78	6.78	1.85	15.57	12.52	15.54	12.24	12.01
4511-1672-364	16	1.57	14.55	12.83	12.83	17.75	17.75	12.83	26.54	23.50	26.52	23.22	22.99
4511-1673-364	16	1.57	6.35	10.87	10.87	15.80	15.80	10.87	24.59	21.54	24.56	21.26	21.03
4511-1674-364	16	1.57	9.60	5.89	5.89	10.82	10.82	5.89	19.61	16.56	19.58	16.28	16.05



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-1675-364	16	1.57	8.00	4.01	4.01	8.94	8.94	4.01	17.73	14.68	17.70	14.40	14.17
4511-1676-364	16	1.57	9.65	14.20	14.20	19.13	19.13	14.20	27.91	24.87	27.89	24.59	24.36
4511-1677-364	16	1.57	11.43	7.44	7.44	12.37	12.37	7.44	21.16	18.11	21.13	17.83	17.60
4511-1678-364	16	1.57	8.18	3.25	3.25	8.18	8.18	3.25	16.97	13.92	16.94	13.64	13.41
4511-1679-364	16	1.57	9.78	NONE	NONE	5.66	5.66	NONE	NONE	NONE	14.43	11.13	NONE
4511-1680-364	16	1.57	13.26	9.55	9.55	14.48	14.48	9.55	23.27	20.22	23.24	19.94	19.71
4511-1681-364	16	1.57	10.03	5.11	5.11	10.03	10.03	5.11	18.82	15.77	18.80	15.49	15.27
4511-1682-364	16	1.57	7.65	5.94	5.94	10.87	10.87	5.94	19.66	16.61	19.63	16.33	16.10
4511-1683-364	16	1.57	11.30	6.38	6.38	11.30	11.30	6.38	20.09	17.04	20.07	16.76	16.54
4511-1684-364	16	1.57	21.64	20.07	20.07	24.99	24.99	20.07	33.78	30.73	33.76	30.45	30.23
4511-1685-364	16	1.57	10.08	7.95	7.95	12.88	12.88	7.95	21.67	18.62	21.64	18.34	18.11
4511-1686-364	16	1.57	24.00	18.36	18.36	23.29	23.29	18.36	32.08	29.03	32.05	28.75	28.52
4511-1687-364	16	1.57	20.65	18.90	18.90	23.83	23.83	18.90	32.61	29.57	32.59	29.29	29.06
4511-1688-364	16	1.57	13.00	11.25	11.25	16.18	16.18	11.25	24.97	21.92	24.94	21.64	21.41
4511-1689-364	16	1.57	4.83	5.31	5.31	10.24	10.24	5.31	19.02	15.98	19.00	15.70	15.47
4511-1690-364	16	1.37	3.51	3.91	3.91	8.84	8.84	3.91	17.63	14.58	17.60	14.30	14.07
4511-1691-364	16	1.02	5.08	4.47	4.47	9.40	9.40	4.47	18.19	15.14	18.16	14.86	14.63
4511-1692-364	16	1.57	6.35	11.86	11.86	16.79	16.79	1.19	25.58	22.53	25.55	22.25	11.35
4511-1200-365	12	2.06	16.33	8.92	8.92	13.84	13.84	8.92	22.63	19.58	22.61	19.30	19.08
4511-1201-365	12	2.06	12.01	4.60	4.60	9.53	9.53	4.60	18.31	15.27	18.29	14.99	14.76
4511-1202-365	12	2.06	6.17	NONE	NONE	3.68	3.68	NONE	NONE	NONE	12.45	9.14	NONE
4511-1203-365	12	2.06	13.28	5.87	5.87	10.80	10.80	5.87	19.58	16.54	19.56	16.26	16.03
4511-1204-365	12	2.06	3.99	5.44	5.44	10.36	10.36	5.44	19.15	16.10	19.13	15.82	15.60
4511-1205-365	12	2.06	5.41	8.59	8.59	13.51	13.51	8.59	22.30	19.25	22.28	18.97	18.75
4511-1206-365	12	2.06	6.20	7.59	7.59	12.52	12.52	7.59	21.31	18.26	21.29	17.98	17.75
4511-1207-365	12	2.06	22.35	14.81	14.81	19.74	19.74	14.81	28.52	25.48	28.50	25.20	24.97
4511-1208-365	12	2.03	17.93	11.68	11.68	16.61	16.61	11.68	25.40	22.35	25.37	22.07	21.84
4511-1210-365	12	2.06	3.68	3.66	3.66	8.59	8.59	3.66	17.37	14.33	17.35	14.05	13.82
4511-1211-365	12	2.06	4.57	4.55	4.55	9.47	9.47	4.55	18.26	15.21	18.24	14.94	14.71
4511-1230-365	12	2.06	7.62	13.31	13.31	18.24	18.24	13.31	27.03	23.98	27.00	23.70	23.47
4511-1231-365	12	2.06	14.99	15.14	15.14	20.07	20.07	15.14	28.85	25.81	28.83	25.53	25.30
4511-1240-365	12	2.06	3.00	4.70	4.70	9.63	9.63	4.70	18.42	15.37	18.39	15.09	14.86
4511-1241-365	12	2.06	3.51	5.21	5.21	10.13	10.13	5.21	18.92	15.88	18.90	15.60	15.37
4511-1242-365	12	2.06	3.99	5.69	5.69	10.62	10.62	5.69	19.41	16.36	19.38	16.08	15.85
4511-1243-365	12	2.06	4.50	6.20	6.20	11.13	11.13	6.20	19.91	16.87	19.89	16.59	16.36
4511-1244-365	12	2.06	5.00	6.71	6.71	11.63	11.63	6.71	20.42	17.37	20.40	17.09	16.87



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Aerotronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR					CONTACT EXTENSION FROM FLANGE				
		O.D.	Length	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481	MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		±.03	Ref.										
4511-1245-365	12	2.06	5.51	7.21	7.21	12.14	12.14	7.21	20.93	17.88	20.90	17.60	17.37
4511-1246-365	12	2.06	5.99	7.70	7.70	12.62	12.62	7.70	21.41	18.36	21.39	18.08	17.86
4511-1247-365	12	2.06	3.00	5.54	5.54	10.46	10.46	5.54	19.25	16.21	19.23	15.93	15.70
4511-1248-365	12	2.06	3.51	6.05	6.05	10.97	10.97	6.05	19.76	16.71	19.74	16.43	16.21
4511-1249-365	12	2.06	3.99	6.53	6.53	11.46	11.46	6.53	20.24	17.20	20.22	16.92	16.69
4511-1250-365	12	2.06	4.50	7.04	7.04	11.96	11.96	7.04	20.75	17.70	20.73	17.42	17.20
4511-1251-365	12	2.06	5.00	7.54	7.54	12.47	12.47	7.54	21.26	18.21	21.23	17.93	17.70
4511-1252-365	12	2.06	5.51	8.05	8.05	12.98	12.98	8.05	21.77	18.72	21.74	18.44	18.21
4511-1253-365	12	2.06	5.99	8.53	8.53	13.46	13.46	8.53	22.25	19.20	22.23	18.92	18.69
4511-1254-365	12	2.39	6.15	7.59	7.59	12.52	12.52	7.59	21.31	18.26	21.29	17.98	17.75
4511-1255-365	12	2.06	7.11	13.49	13.49	18.42	18.42	13.49	27.20	24.16	27.18	23.88	23.65
4511-1256-365	12	2.06	6.73	9.96	9.96	14.88	14.88	9.96	23.67	20.62	23.65	20.35	20.12
4511-1257-365	12	2.06	6.35	11.86	11.86	16.79	16.79	11.86	25.58	22.53	25.55	22.25	22.02