



Aerotrónica Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-2200-360	22D	0.48	5.21	NONE	NONE	5.13	5.11	NONE	NONE	NONE	NONE	14.63	9.68	NONE	NONE
4511-2201-360	22D	0.51	10.67	8.94	8.76	13.82	13.79	8.56	8.15	23.29	18.77	23.32	18.36	16.23	16.21
3511-2202-360	22D	0.38	6.10	1.78	1.60	6.65	6.63	1.40	0.99	16.13	11.61	16.15	11.20	9.07	9.04
3511-2203-360	22D	0.38	8.64	4.32	4.14	9.19	9.17	3.94	3.53	18.67	14.15	18.69	13.74	11.61	11.58
3511-2204-360	22D	0.38	11.18	6.86	6.68	11.73	11.71	6.48	6.07	21.21	16.69	21.23	16.28	14.15	14.12
4511-2205-360	22D	0.48	13.72	9.40	9.22	14.27	14.25	9.02	8.61	23.75	19.23	23.77	18.82	16.69	16.66
3511-2205-360	22D	0.48	13.72	9.40	9.22	14.27	14.25	9.02	8.61	23.75	19.23	23.77	18.82	16.69	16.66
4511-2206-360	22D	0.51	13.67	13.64	13.46	18.52	18.49	13.26	12.85	27.99	23.47	28.02	23.06	20.93	20.90
4511-2207-360	22D	0.48	5.89	5.89	5.72	10.77	10.74	5.51	5.11	20.24	15.72	20.27	15.32	13.18	13.16
4511-2208-360	22D	0.64	6.22	9.60	9.42	14.48	14.45	9.22	8.81	23.95	19.43	26.85	19.02	16.89	16.87
4511-2209-360	22D	0.51	6.35	NONE	NONE	4.95	4.93	NONE	NONE	NONE	NONE	17.32	9.50	NONE	NONE
4511-2210-360	22D	0.51	11.10	7.14	6.96	12.01	11.99	6.76	6.35	21.49	16.97	24.38	16.56	14.43	14.40
4511-2211-360	22D	0.48	6.76	5.03	4.85	9.91	9.88	4.65	4.24	19.38	14.86	22.28	14.45	12.32	12.29
4511-2212-360	22D	0.51	9.02	4.06	3.89	8.94	8.92	3.68	3.28	18.42	13.89	21.31	13.49	11.35	11.33
4511-2213-360	22D	0.53	8.76	8.71	8.53	13.61	13.59	8.31	7.98	23.06	18.54	25.98	18.16	15.98	16.03
4511-2214-360	22D	0.48	3.68	3.71	3.53	8.59	8.56	3.33	2.92	18.06	13.54	20.96	13.13	11.00	10.97
4511-2215-360	22D	0.53	7.19	7.19	7.01	12.07	12.04	6.81	6.40	21.54	17.02	24.43	16.61	14.48	14.45
4511-2216-360	22D	0.51	3.10	NONE	NONE	3.78	3.76	NONE	NONE	NONE	NONE	16.15	8.33	NONE	NONE
4511-2217-360	22D	0.48	4.50	11.84	11.66	16.71	16.69	11.46	11.05	26.19	21.67	29.08	21.26	19.13	19.10



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Aerotronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-2218-360	22D	0.48	8.53	9.27	9.09	14.66	14.12	8.89	8.48	23.62	19.10	24.16	18.69	16.56	16.54
4511-2220-360	22D	0.48	7.01	7.29	7.11	12.17	12.14	6.91	6.50	21.64	17.12	21.67	16.71	14.58	14.55
4511-2221-360	22D	0.51	7.19	26.72	26.54	31.60	31.57	26.34	25.93	41.07	36.55	41.10	36.14	34.01	33.99
4511-2223-360	22D	0.64	9.27	12.01	11.84	16.89	16.87	11.63	11.23	26.37	21.84	26.39	21.44	19.30	19.28
4511-2225-360	22D	0.48	12.50	10.82	10.64	15.70	15.67	10.44	10.03	25.17	20.65	25.20	20.24	18.11	18.08
4511-2226-360	22D	0.61	2.90	NONE	NONE	3.30	3.28	NONE	NONE	NONE	NONE	12.80	7.85	NONE	NONE
4511-2227-360	22D	0.69	5.77	12.04	11.86	16.92	16.89	11.66	11.25	26.39	21.87	26.42	21.46	19.33	19.30
4511-2228-360	22D	0.64	10.06	1.09	0.91	5.97	5.94	0.71	0.30	15.44	10.92	15.47	10.52	8.38	8.36
4511-2229-360	22D	0.76	7.62	9.30	9.12	14.17	14.15	8.92	8.51	23.65	19.13	23.67	18.72	16.59	16.56
4511-2230-360	22D	0.51	5.59	1.42	1.24	6.30	6.27	1.04	0.64	15.77	11.25	15.80	10.85	8.71	8.69
4511-2231-360	22D	0.51	10.34	6.43	6.25	11.30	11.28	6.05	5.64	20.78	16.26	20.80	15.85	13.72	13.69
4511-2232-360	22D	0.51	11.43	5.99	5.82	10.87	10.85	5.61	5.21	20.35	15.82	20.37	15.42	13.28	13.26
4511-2233-360	22D	0.51	11.18	5.69	5.51	10.57	10.54	5.31	4.90	20.04	15.52	20.07	15.11	12.98	12.95
4511-2234-360	22D	0.51	7.04	3.12	2.95	8.00	7.98	2.74	2.34	17.48	12.95	17.50	12.55	10.41	10.39
4511-2235-360	22D	0.48	5.36	NONE	NONE	5.26	5.23	NONE	NONE	NONE	NONE	14.76	9.80	NONE	NONE
4511-2236-360	22D	0.48	4.57	4.60	4.42	9.47	9.45	4.22	3.81	18.95	14.43	18.97	14.02	11.89	11.86
4511-2237-360	22D	0.76	19.38	15.52	15.34	20.40	20.37	15.14	14.73	29.87	25.35	29.90	24.94	22.81	22.78
4511-2238-360	22D	0.76	22.68	18.82	18.64	23.70	23.67	18.44	18.03	33.17	28.65	33.20	28.24	26.11	26.09
4511-2239-360	22D	0.51	4.29	5.31	5.13	10.19	10.16	4.93	4.52	19.66	15.14	19.69	14.73	12.60	12.57
4511-2240-360	22D	0.48	3.33	NONE	NONE	3.12	3.10	NONE	NONE	NONE	NONE	12.62	7.67	NONE	NONE
4511-2241-360	22D	0.74	3.99	6.10	5.92	10.97	10.95	5.72	5.31	20.45	15.93	20.47	15.52	13.39	13.36
4511-2243-360	22D	0.48	3.99	5.46	5.28	10.34	10.31	5.08	4.67	19.81	15.29	19.84	14.88	12.75	12.73
4511-2244-360	22D	0.51	4.57	4.57	4.39	9.45	9.42	4.19	3.78	18.92	14.40	18.95	14.00	11.86	11.84
4511-2245-360	22D	0.51	3.07	4.70	4.52	9.58	9.55	4.32	3.91	19.05	14.53	19.08	14.12	11.99	11.96
4511-2246-360	22D	0.48	2.39	2.39	2.21	7.26	7.24	2.01	1.60	16.74	12.22	16.76	11.81	9.68	9.65
4511-2247-360	22D	0.64	8.36	10.36	10.19	15.24	15.21	9.98	9.58	24.71	20.19	24.74	19.79	17.65	17.63
4511-2248-360	22D	0.81	10.16	10.64	10.46	15.52	15.49	10.26	9.86	24.99	20.47	25.02	20.07	17.93	17.91
4511-2249-360	22D	0.56	4.32	6.78	6.60	11.66	11.63	6.40	5.99	21.13	16.61	21.16	16.21	14.07	14.05
3511-2250-360	22D	0.48	13.82	12.22	12.04	17.09	17.07	11.84	11.43	26.57	22.05	26.59	21.64	19.51	19.48
4511-2251-360	22D	0.48	5.99	10.64	10.46	15.52	15.49	10.26	9.86	24.99	20.47	25.02	20.07	17.93	17.91
4511-2252-360	22D	0.48	5.21	18.97	18.80	23.85	23.83	18.59	18.19	33.32	28.80	33.35	28.40	26.26	26.24
3511-2253-360	22D	0.48	12.70	15.62	15.44	20.50	20.47	15.24	14.83	29.97	25.45	30.00	25.04	22.91	22.89
4511-2254-360	22D	0.64	3.68	7.14	6.96	12.01	11.99	6.76	6.35	21.49	16.97	21.51	16.56	14.43	14.40
3511-2255-360	22D	0.64	11.30	14.81	14.63	19.69	19.66	14.43	14.02	29.16	24.64	29.18	24.23	22.10	22.07
4511-2256-360	22D	0.64	8.76	12.27	12.09	17.15	17.12	11.89	11.48	26.62	22.10	26.64	21.69	19.56	19.53
4511-2257-360	22D	0.74	3.00	9.25	9.07	14.12	14.10	8.86	8.46	23.60	19.08	23.62	18.67	16.54	16.51



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468
		±.03	Ref.	MS27652	MS27654			Shells 9 - 17	Shells 19 - 25		MS27652			MS27654	Shells 9 - 17
3511-2258-360	22D	0.64	13.84	17.25	17.07	22.12	22.10	16.87	16.46	31.60	27.08	31.62	26.67	24.54	24.51
3511-2259-360	22D	0.79	19.35	15.52	15.34	20.40	20.37	15.14	14.73	29.87	25.35	29.90	24.94	22.81	22.78
3511-2260-360	22D	0.64	13.08	7.09	6.91	11.96	11.94	6.71	6.30	21.44	16.92	21.46	16.51	14.38	14.35
4511-2261-360	22D	0.76	3.76	8.59	8.41	13.46	13.44	8.20	7.80	22.94	18.42	22.96	18.01	15.88	15.85
4511-2262-360	22D	0.64	3.48	7.82	7.65	12.70	12.67	7.44	7.04	22.17	17.65	22.20	17.25	15.11	15.09
4511-2263-360	22D	0.48	6.38	14.50	14.33	19.38	19.35	14.12	13.72	28.85	24.33	28.88	23.93	21.79	21.77
4511-2264-360	22D	0.48	6.78	2.92	2.74	7.80	7.77	2.54	2.13	17.27	12.75	17.30	12.34	10.21	10.19
4511-2265-360	22D	0.48	10.41	10.64	10.46	15.52	15.49	10.26	9.86	24.99	20.47	25.02	20.07	17.93	17.91
4511-2266-360	22D	0.48	8.76	4.95	4.78	9.83	9.80	4.57	4.17	19.30	14.78	19.33	14.38	12.24	12.22
4511-2267-360	22D	0.48	10.92	7.11	6.93	11.99	11.96	6.73	6.32	21.46	16.94	21.49	16.54	14.40	14.38
4511-2268-360	22D	0.48	3.86	NONE	NONE	4.37	4.34	NONE	NONE	NONE	NONE	13.87	8.92	NONE	NONE
4511-2269-360	22D	0.48	3.99	NONE	NONE	1.57	1.55	NONE	NONE	NONE	NONE	11.07	6.12	NONE	NONE
4511-2270-360	22D	0.48	4.19	8.56	8.38	13.44	13.41	8.18	7.77	22.91	18.39	22.94	17.98	15.85	15.82
4511-2271-360	22D	0.64	16.00	19.46	19.28	24.33	24.31	19.08	18.67	33.81	29.29	33.83	28.88	26.75	26.72
3511-2272-360	22D	0.48	19.53	15.70	15.52	20.57	20.55	15.32	14.91	30.05	25.53	30.07	25.12	22.99	22.96
3511-2273-360	22D	0.48	12.93	6.65	6.48	11.53	11.51	6.27	5.87	21.01	16.48	21.03	16.08	13.94	13.92
4511-2274-360	22D	0.48	3.30	NONE	NONE	5.97	5.94	NONE	NONE	NONE	NONE	15.47	10.52	NONE	NONE
4511-2275-360	22D	0.48	5.08	6.81	6.63	11.68	11.66	6.43	6.02	21.16	16.64	21.18	16.23	14.10	14.07
4511-2276-360	22D	0.48	9.14	9.47	9.30	14.35	14.33	9.09	8.69	23.83	19.30	23.85	18.90	16.76	16.74
4511-2278-360	22D	0.48	6.10	6.58	6.40	11.46	11.43	6.20	5.79	20.93	16.41	20.96	16.00	13.87	13.84
4511-2279-360	22D	0.66	4.62	4.14	3.96	9.02	8.99	3.76	3.35	18.49	13.97	18.52	13.56	11.43	11.40
3511-2280-360	22D	0.48	14.68	12.98	12.80	17.86	17.83	12.60	12.19	27.33	22.81	27.36	22.40	20.27	20.24
3511-2281-360	22D	0.48	13.26	11.56	11.38	16.43	16.41	11.18	10.77	25.91	21.39	25.93	20.98	18.85	18.82
4511-2282-360	22D	0.48	6.10	5.97	5.79	10.85	10.82	5.59	5.18	20.32	15.80	20.35	15.39	13.26	13.23
4511-2283-360	22D	0.48	10.34	6.40	6.22	11.28	11.25	6.02	5.61	20.75	16.23	20.78	15.82	13.69	13.67
4511-2284-360	22D	0.48	5.21	NONE	NONE	5.89	5.87	NONE	NONE	NONE	NONE	15.39	10.44	NONE	NONE
4511-2285-360	22D	0.48	5.21	22.61	22.43	27.48	27.46	22.23	21.82	36.96	32.44	36.98	32.03	29.90	29.87
4511-2286-360	22D	0.48	8.23	31.67	31.50	36.55	36.53	31.29	30.89	46.02	41.50	46.05	41.10	38.96	38.94
4511-2287-360	22D	0.48	10.44	6.50	6.32	11.38	11.35	6.12	5.72	20.85	16.33	20.88	15.93	13.79	13.77
4511-2288-360	22D	0.48	6.10	5.97	5.79	10.85	10.82	5.59	5.18	20.32	15.80	20.35	15.39	13.26	13.23
3511-2289-360	22D	0.48	13.03	25.22	25.04	30.10	30.07	24.84	24.43	39.57	35.05	39.60	34.65	32.51	32.49
4511-2290-360	22D	0.48	3.56	NONE	NONE	3.48	3.45	NONE	NONE	NONE	NONE	12.98	8.03	NONE	NONE
4511-2291-360	22D	0.48	5.08	1.91	1.73	6.78	6.76	1.52	1.12	16.26	11.73	16.28	11.33	9.19	9.17
4511-2292-360	22D	0.48	5.59	NONE	NONE	2.59	2.57	NONE	NONE	NONE	NONE	12.09	7.14	NONE	NONE
4511-2293-360	22D	0.48	16.33	7.37	7.19	12.24	12.22	6.99	6.58	21.72	17.20	21.74	16.79	14.66	14.63
4511-2294-360	22D	0.48	7.42	5.72	5.54	10.59	10.57	5.33	4.93	20.07	15.54	20.09	15.14	13.00	12.98



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-2295-360	22D	0.48	6.45	5.56	5.38	10.44	10.41	5.18	4.78	19.91	15.39	19.94	14.99	12.85	12.83
4511-2296-360	22D	0.48	2.18	4.14	3.96	9.02	8.99	3.76	3.35	18.49	13.97	18.52	13.56	11.43	11.40
4511-2297-360	22D	0.48	8.89	4.88	4.70	9.75	9.73	4.50	4.09	19.23	14.71	19.25	14.30	12.17	12.14
4511-2298-360	22D	0.48	11.86	10.16	9.98	15.04	15.01	9.78	9.37	24.51	19.99	24.54	19.58	17.45	17.42
4511-2299-360	22D	0.48	7.37	1.52	1.35	6.40	6.38	1.14	NONE	15.88	11.35	15.90	10.95	8.81	NONE
4511-2253B-360	22D	0.76	6.35	6.65	6.48	11.53	11.51	6.27	5.87	21.01	16.48	21.03	16.08	13.94	13.92
4511-2254B-360	22D	0.79	5.00	5.26	5.08	10.13	10.11	4.88	4.47	19.61	15.09	19.63	14.68	12.55	12.52
4511-2255B-360	22D	0.48	4.32	8.26	8.08	13.13	13.11	7.87	7.47	22.61	18.08	22.63	17.68	15.54	15.52
4511-2256B-360	22D	0.48	6.50	10.19	10.01	15.06	15.04	9.80	9.40	24.54	20.02	24.56	19.61	17.48	17.45
4511-2257B-360	22D	0.48	7.87	7.75	7.57	12.62	12.60	9.91	6.96	22.10	17.58	22.12	17.17	17.58	15.01
4511-2258B-360	22D	0.48	3.76	2.11	1.93	6.99	6.96	1.73	1.32	16.46	11.94	16.48	11.53	9.40	9.37
4511-2259B-360	22D	0.48	11.43	4.72	4.55	9.60	9.58	4.34	3.94	19.08	14.55	19.10	14.15	12.01	11.99
4511-2260B-360	22D	0.48	11.94	8.00	7.82	12.88	12.85	7.62	7.21	22.35	17.83	22.38	17.42	15.29	15.27
4511-2261B-360	22D	0.48	7.24	7.75	7.57	12.62	12.60	7.37	6.96	22.10	17.58	22.12	17.17	15.04	15.01
4511-2262B-360	22D	0.48	7.24	7.59	7.42	12.47	12.45	7.21	6.81	21.95	17.42	21.97	17.02	14.88	14.86
4511-2263B-360	22D	0.48	6.73	5.03	4.85	9.91	9.88	4.65	4.24	19.38	14.86	19.41	14.45	12.32	12.29
4511-2264B-360	22D	0.48	3.00	4.72	4.55	9.60	9.58	4.34	3.94	19.08	14.55	19.10	14.15	12.01	11.99
3511-2265B-360	22D	0.48	12.50	10.82	10.64	15.70	15.67	10.44	10.03	25.17	20.65	25.20	20.24	18.11	18.08
3511-2266B-360	22D	0.48	14.55	12.88	12.70	17.75	17.73	12.50	12.09	27.23	22.71	27.25	22.30	20.17	20.14
3511-2267B-360	22D	0.48	11.25	9.58	9.40	14.45	14.43	9.19	8.79	23.93	19.41	23.95	19.00	16.87	16.84
4511-2268B-360	22D	0.48	9.02	22.02	21.84	26.90	26.87	21.64	21.23	36.37	31.85	36.40	31.45	29.31	29.29
4511-2269B-360	22D	0.48	8.00	4.06	3.89	8.94	8.92	3.68	3.28	18.42	13.89	18.44	13.49	11.35	11.33
4511-2270B-360	22D	0.48	2.54	4.27	4.09	9.14	9.12	3.89	3.48	18.62	14.10	18.64	13.69	11.56	11.53
4511-2271B-360	22D	0.48	7.24	7.24	7.06	12.12	12.09	6.86	6.45	21.59	17.07	21.62	16.66	14.53	14.50
4511-2272B-360	22D	0.48	15.19	11.81	11.63	16.69	16.66	11.43	11.02	26.16	21.64	26.19	21.23	19.10	19.08
4511-2273B-360	22D	0.48	3.18	NONE	NONE	1.83	1.80	NONE	NONE	NONE	NONE	11.33	6.38	NONE	NONE
4511-2274B-360	22D	0.48	11.33	7.49	7.32	12.37	12.34	7.11	6.71	21.84	17.32	21.87	16.92	14.78	14.76
4511-2275B-360	22D	0.48	11.81	7.87	7.70	12.75	12.73	7.49	7.09	22.23	17.70	22.25	17.30	15.16	15.14
4511-2276B-360	22D	0.48	11.13	14.10	13.92	18.97	18.95	13.72	13.31	28.45	23.93	28.47	23.52	21.39	21.36
4511-2277B-360	22D	0.48	18.92	30.94	30.76	35.81	35.79	30.56	30.15	45.29	40.77	45.31	40.36	38.23	38.20
4511-2278B-360	22D	0.48	10.82	6.88	6.71	11.76	11.73	6.50	6.10	21.23	16.71	21.26	16.31	14.17	14.15
4511-2279B-360	22D	0.48	9.93	8.23	8.05	13.11	13.08	7.85	7.44	22.58	18.06	22.61	17.65	15.52	15.49
4511-2281B-360	22D	0.48	5.28	5.36	5.18	10.24	10.21	4.98	4.57	19.71	15.19	19.74	14.78	12.65	12.62
4511-2282B-360	22D	0.48	3.99	12.24	12.07	17.12	17.09	11.86	11.46	26.59	22.07	26.62	21.67	19.53	19.51
4511-2283B-360	22D	0.48	4.75	3.05	2.87	7.92	7.90	2.67	2.26	17.40	12.88	17.42	12.47	10.34	10.31
4511-2284B-360	22D	0.48	8.03	3.20	3.02	8.08	8.05	2.82	2.41	17.55	13.03	17.58	12.62	10.49	10.46



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		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-2285B-360	22D	0.48	4.93	9.55	9.37	14.43	14.40	9.17	8.76	23.90	19.38	23.93	18.97	16.84	16.81
4511-2286B-360	22D	0.48	4.88	10.29	10.11	15.16	15.14	9.91	9.50	24.64	20.12	24.66	19.71	17.58	17.55
4511-2287B-360	22D	0.48	10.67	8.97	8.79	13.84	13.82	8.59	8.18	23.32	18.80	23.34	18.39	16.26	16.23
4511-2288B-360	22D	0.48	3.10	NONE	NONE	3.78	3.76	NONE	NONE	NONE	NONE	13.28	8.33	NONE	NONE
4511-2289B-360	22D	0.48	6.35	14.48	14.30	19.35	19.33	14.10	13.69	28.83	24.31	28.85	23.90	21.77	21.74
4511-2290B-360	22D	0.48	5.66	1.47	1.30	6.35	6.32	1.09	NONE	15.82	11.30	15.85	10.90	8.76	NONE
4511-2291B-360	22D	0.48	7.47	NONE	NONE	3.35	3.33	NONE	NONE	NONE	NONE	12.85	7.90	NONE	NONE
4511-2292B-360	22D	0.48	10.01	NONE	NONE	5.89	5.87	NONE	NONE	NONE	NONE	15.39	10.44	NONE	NONE
4511-2293B-360	22D	0.48	2.54	4.32	4.14	9.19	9.17	3.94	3.53	18.67	14.15	18.69	13.74	11.61	11.58
4511-2294B-360	22D	0.48	10.92	9.14	8.97	14.02	14.00	8.76	8.36	23.50	18.97	23.52	18.57	16.43	16.41
4511-2295B-360	22D	0.48	5.77	5.77	5.59	10.64	10.62	5.38	4.98	20.12	15.60	20.14	15.19	13.06	13.03
4511-2296B-360	22D	0.48	7.49	NONE	NONE	5.00	4.98	NONE	NONE	NONE	NONE	14.50	9.55	NONE	NONE
4511-2297B-360	22D	0.48	13.00	11.30	11.13	16.18	16.15	10.92	10.52	25.65	21.13	25.68	20.73	18.59	18.57
4511-2298B-360	22D	0.48	7.21	5.44	5.26	10.31	10.29	5.05	4.65	19.79	15.27	19.81	14.86	12.73	12.70
4511-2299B-360	22D	0.48	8.69	8.71	8.53	13.59	13.56	8.33	7.92	23.06	18.54	23.09	18.14	16.00	15.98
4511-2200-361	22M	0.51	11.43	5.72	5.54	10.59	10.57	5.33	4.93	20.07	15.54	20.09	15.14	13.00	12.98
4511-2201-361	22M	0.56	4.75	8.18	8.00	13.06	13.03	7.80	7.39	22.53	18.01	22.56	17.60	15.47	15.44
3511-2202-361	22M	0.48	14.48	13.41	13.23	18.29	18.26	13.03	12.62	27.76	23.24	27.79	22.83	20.70	20.68
4511-2202-361	22M	0.48	14.48	13.41	13.23	18.29	18.26	13.03	12.62	27.76	23.24	27.79	22.83	20.70	20.68
1511-2203-361	22M	0.48	9.60	5.94	5.77	10.82	10.80	5.56	5.16	20.29	15.77	20.32	15.37	13.23	13.21
3511-2203-361	22M	0.48	9.60	5.94	5.77	10.82	10.80	5.56	5.16	20.29	15.77	20.32	15.37	13.23	13.21
4511-2203-361	22M	0.48	9.60	5.94	5.77	10.82	10.80	5.56	5.16	20.29	15.77	20.32	15.37	13.23	13.21
4511-2204-361	22M	0.48	7.75	23.55	23.37	28.42	28.40	23.16	22.76	37.90	33.38	37.92	32.97	30.84	30.81
4511-2205-361	22M	0.48	7.75	1.65	1.47	6.53	6.50	1.27	0.86	16.00	11.48	16.03	11.07	8.94	8.92
1511-2206-361	22M	0.48	12.42	8.79	8.61	13.67	13.64	8.41	8.00	23.14	18.62	23.16	18.21	16.08	16.05
3511-2206-361	22M	0.48	12.42	8.79	8.61	13.67	13.64	8.41	8.00	23.14	18.62	23.16	18.21	16.08	16.05
4511-2206-361	22M	0.48	12.42	8.79	8.61	13.67	13.64	8.41	8.00	23.14	18.62	23.16	18.21	16.08	16.05
3511-2207-361	22M	0.48	19.41	17.70	17.53	22.58	22.56	17.32	16.92	32.05	27.53	32.08	27.13	24.99	24.97
4511-2207-361	22M	0.48	19.41	17.70	17.53	22.58	22.56	17.32	16.92	32.05	27.53	32.08	27.13	24.99	24.97
4511-2208-361	22M	0.48	5.08	1.91	1.73	6.78	6.76	1.52	1.12	16.26	11.73	16.28	11.33	9.19	9.17
4511-2209-361	22M	0.66	9.98	NONE	NONE	5.87	5.84	NONE	NONE	NONE	NONE	15.37	10.41	NONE	NONE
4511-2210-361	22M	0.48	3.91	NONE	NONE	1.57	1.55	NONE	NONE	NONE	NONE	11.07	6.12	NONE	NONE
3511-2211-361	22M	0.48	7.62	2.69	2.51	7.57	7.54	2.31	1.91	17.04	12.52	17.07	12.12	9.98	9.96
4511-2211-361	22M	0.48	7.62	2.69	2.51	7.57	7.54	2.31	1.91	17.04	12.52	17.07	12.12	9.98	9.96
3511-2212-361	22M	0.51	8.94	4.04	3.86	8.92	8.89	3.66	3.25	18.39	13.87	18.42	13.46	11.33	11.30
4511-2213-361	22M	0.48	11.28	7.49	7.32	12.37	12.34	7.11	6.71	21.84	17.32	21.87	16.92	14.78	14.76



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		O.D.	Length	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468
		±.03	Ref.	MS27652	MS27654 MS27656			Shells 9 - 17	Shells 19 - 25	MS27652	MS27654 MS27656			Shells 9 - 17	Shells 19 - 25
4511-2214-361	22M	0.48	2.29	8.51	8.33	13.39	13.36	8.13	7.72	22.86	18.34	22.89	17.93	15.80	15.77
4511-2215-361	22M	0.48	4.09	NONE	NONE	5.28	5.26	NONE	NONE	NONE	NONE	14.78	9.83	NONE	NONE
4511-2216-361	22M	0.48	8.94	5.08	4.90	9.96	9.93	4.70	4.29	19.43	14.91	19.46	14.50	12.37	12.34
4511-2217-361	22M	0.48	3.00	4.75	4.57	9.63	9.60	4.37	3.96	19.10	14.58	19.13	14.17	12.04	12.01
4511-2218-361	22M	0.48	3.51	5.26	5.08	10.13	10.11	4.88	4.47	19.61	15.09	19.63	14.68	12.55	12.52
4511-2219-361	22M	0.48	3.99	5.74	5.56	10.62	10.59	5.36	4.95	20.09	15.57	20.12	15.16	13.03	13.00
4511-2221-361	22M	0.48	4.50	6.25	6.07	11.13	11.10	5.87	5.46	20.60	16.08	20.62	15.67	13.54	13.51
4511-2223-361	22M	0.48	5.00	6.76	6.58	11.63	11.61	6.38	5.97	21.11	16.59	21.13	16.18	14.05	14.02
4511-2225-361	22M	0.48	5.51	7.26	7.09	12.14	12.12	6.88	6.48	21.62	17.09	21.64	16.69	14.55	14.53
4511-2226-360	22M	0.48	14.55	12.88	12.70	17.75	17.73	12.50	12.09	27.23	22.71	27.25	22.30	20.17	20.14
4511-2227-361	22M	0.48	5.99	7.75	7.57	12.62	12.60	7.37	6.96	22.10	17.58	22.12	17.17	15.04	15.01
4511-2228-361	22M	0.48	6.78	7.09	6.91	11.96	11.94	6.71	6.30	21.44	16.92	21.46	16.51	14.38	14.35
4511-2229-361	22M	0.51	7.26	7.49	7.32	12.37	12.34	7.11	6.71	21.84	17.32	21.87	16.92	14.78	14.76
3591-2230-361	22M	0.46	9.98	NONE	NONE	5.89	5.87	NONE	NONE	NONE	NONE	15.39	10.44	NONE	NONE
3591-2231-361	22M	0.46	16.33	8.13	7.19	12.24	12.22	6.99	6.58	22.48	17.20	21.74	16.79	14.66	14.63
3591-2232-361	22M	0.46	7.44	NONE	NONE	3.35	3.33	NONE	NONE	NONE	NONE	12.85	7.90	NONE	NONE
3591-2233-361	22M	0.64	9.98	NONE	NONE	5.89	5.87	NONE	NONE	NONE	NONE	15.39	10.44	NONE	NONE
3591-2234-361	22M	0.46	16.33	7.37	7.19	12.24	12.22	6.99	6.58	21.72	17.20	21.74	16.79	14.66	14.63
3591-2235-361	22M	0.46	7.44	NONE	NONE	3.35	3.33	NONE	NONE	NONE	NONE	12.85	7.90	NONE	NONE
3591-2236-361	22M	0.64	9.98	NONE	NONE	5.89	5.87	NONE	NONE	NONE	NONE	15.39	10.44	NONE	NONE
4511-2240-361	22M	0.48	3.00	5.59	5.41	10.46	10.44	5.21	4.80	19.94	15.42	19.96	15.01	12.88	12.85
4511-2241-361	22M	0.48	3.51	6.10	5.92	10.97	10.95	5.72	5.31	20.45	15.93	20.47	15.52	13.39	13.36
4511-2242-361	22M	0.48	3.99	6.58	6.40	11.46	11.43	6.20	5.79	20.93	16.41	20.96	16.00	13.87	13.84
4511-2243-361	22M	0.48	4.50	7.09	6.91	11.96	11.94	6.71	6.30	21.44	16.92	21.46	16.51	14.38	14.35
4511-2244-361	22M	0.48	5.00	7.59	7.42	12.47	12.45	7.21	6.81	21.95	17.42	21.97	17.02	14.88	14.86
4511-2245-361	22M	0.48	5.51	8.10	7.92	12.98	12.95	7.72	7.32	22.45	17.93	22.48	17.53	15.39	15.37
4511-2246-361	22M	0.48	5.99	8.59	8.41	13.46	13.44	8.20	7.80	22.94	18.42	22.96	18.01	15.88	15.85
4511-2247-361	22M	0.51	19.53	15.65	15.47	20.52	20.50	15.27	14.86	30.00	25.48	30.02	25.07	22.94	22.91
4511-2248-361	22M	0.48	8.08	11.89	11.71	16.76	16.74	11.51	11.10	26.24	21.72	26.26	21.31	19.18	19.15
4511-2249-361	22M	0.48	10.49	8.97	8.79	13.84	13.82	8.59	8.18	23.32	18.80	23.34	18.39	16.26	16.23
1511-2250-361	22M	0.48	12.75	6.65	6.48	11.53	11.51	6.27	5.87	21.01	16.48	21.03	16.08	13.94	13.92
3511-2250-361	22M	0.48	12.75	6.65	6.48	11.53	11.51	6.27	5.87	21.01	16.48	21.03	16.08	13.94	13.92
4511-2251-361	22M	0.48	6.76	3.10	2.92	7.98	7.95	2.72	2.31	17.45	12.93	17.48	12.52	10.39	10.36
4511-2252-361	22M	0.48	5.92	NONE	NONE	4.70	4.67	NONE	NONE	NONE	NONE	14.20	9.25	NONE	NONE
1511-2254-361	22M	0.48	19.35	15.70	15.52	20.57	20.55	15.32	14.91	30.05	25.53	30.07	25.12	22.99	22.96
3511-2254-361	22M	0.48	19.35	15.70	15.52	20.57	20.55	15.32	14.91	30.05	25.53	30.07	25.12	22.99	22.96



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Aerotronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-2255-361	22M	0.48	5.49	3.96	3.78	8.84	8.81	3.58	3.18	3.96	3.78	8.84	8.81	3.58	3.18
4511-2256-361	22M	0.48	4.09	NONE	NONE	5.28	5.26	NONE	NONE	NONE	NONE	5.28	5.26	NONE	NONE
4511-2257-361	22M	0.48	3.76	NONE	NONE	3.20	3.18	NONE	NONE	NONE	NONE	3.20	3.18	NONE	NONE
4511-2258-361	22M	0.48	7.19	NONE	NONE	1.63	1.60	NONE	NONE	NONE	NONE	1.63	1.60	NONE	NONE
3511-2259-361	22M	0.48	14.33	12.62	12.45	17.50	17.48	12.24	11.84	12.62	12.45	17.50	17.48	12.24	11.84
4511-2260-361	22M	0.74	7.11	6.63	6.45	11.51	11.48	6.25	5.84	6.63	6.45	11.51	11.48	6.25	5.84
4511-2261-361	22M	0.48	3.86	NONE	NONE	4.37	4.34	NONE	NONE	NONE	NONE	4.37	4.34	NONE	NONE
4511-2262-361	22M	0.48	6.35	NONE	NONE	4.95	4.93	NONE	NONE	NONE	NONE	4.95	4.93	NONE	NONE
4511-2263-361	22M	0.48	5.99	4.24	4.06	9.12	9.09	3.86	3.45	4.24	4.06	9.12	9.09	3.86	3.45
4511-2264-361	22M	0.48	6.81	10.62	10.44	15.49	15.47	10.24	9.83	10.62	10.44	15.49	15.47	10.24	9.83
4511-2265-361	22M	0.48	7.37	NONE	NONE	5.97	5.94	NONE	NONE	NONE	NONE	5.97	5.94	NONE	NONE
3511-2266-361	22M	0.48	16.03	12.19	12.01	17.07	17.04	11.81	11.40	12.19	12.01	17.07	17.04	11.81	11.40
4511-2267-361	22M	0.48	4.78	6.60	6.43	11.48	11.46	6.22	5.82	6.60	6.43	11.48	11.46	6.22	5.82
4511-2268-361	22M	0.48	8.38	6.68	6.50	11.56	11.53	6.30	5.89	6.68	6.50	11.56	11.53	6.30	5.89
4511-2269-361	22M	0.48	5.66	NONE	NONE	4.45	4.42	NONE	NONE	NONE	NONE	4.45	4.42	NONE	NONE
4511-2000-363	20	0.64	7.54	5.99	5.82	10.87	10.85	5.61	5.21	5.99	5.82	10.87	10.85	5.61	5.21
4511-2001-363	20	0.66	5.08	8.15	7.98	13.03	13.00	7.77	7.37	8.15	7.98	13.03	13.00	7.77	7.37
1511-2002-363	20	0.48	10.97	8.97	8.79	13.84	13.82	8.59	8.18	8.97	8.79	13.84	13.82	8.59	8.18
4511-2002-363	20	0.48	11.05	8.97	8.79	13.84	13.82	8.59	8.18	8.97	8.79	13.84	13.82	8.59	8.18
4511-2003-363	20	0.48	3.45	3.76	3.58	8.64	8.61	3.38	2.97	3.76	3.58	8.64	8.61	3.38	2.97
4511-2004-363	20	0.51	6.35	7.49	7.32	12.37	12.34	7.11	6.71	7.49	7.32	12.37	12.34	7.11	6.71
4511-2005-363	20	0.48	5.72	NONE	NONE	3.73	3.71	NONE	NONE	NONE	NONE	3.73	3.71	NONE	NONE
4511-2006-363	20	0.48	7.62	5.54	5.36	10.41	10.39	5.16	4.75	5.54	5.36	10.41	10.39	5.16	4.75
4511-2007-363	20	0.64	9.58	3.91	3.73	8.79	8.76	3.53	3.12	3.91	3.73	8.79	8.76	3.53	3.12
4511-2008-363	20	0.64	8.71	1.65	1.47	6.53	6.50	1.27	NONE	1.65	1.47	6.53	6.50	1.27	NONE
4511-2009-363	20	0.64	10.19	3.96	3.78	8.84	8.81	3.58	3.18	3.96	3.78	8.84	8.81	3.58	3.18
3511-2010-363	20	0.48	2.16	5.72	5.54	10.59	10.57	5.33	4.93	5.72	5.54	10.59	10.57	5.33	4.93
1511-2011-363	20	0.48	10.31	5.77	5.59	10.64	10.62	5.38	4.98	5.77	5.59	10.64	10.62	5.38	4.98
1511-2012-363	20	0.48	10.41	3.63	3.45	8.51	8.48	3.25	2.84	3.63	3.45	8.51	8.48	3.25	2.84
4511-2013-363	20	0.48	8.51	1.65	1.47	6.53	6.50	1.27	NONE	1.65	1.47	6.53	6.50	1.27	NONE
4511-2014-363	20	0.48	3.43	NONE	NONE	1.45	1.42	NONE	NONE	NONE	NONE	1.45	1.42	NONE	NONE
1511-2015-363	20	0.48	23.72	16.87	16.69	21.74	21.72	16.48	16.08	16.87	16.69	21.74	21.72	16.48	16.08
4511-2016-363	20	0.48	5.08	1.91	1.73	6.78	6.76	1.52	1.12	1.91	1.73	6.78	6.76	1.52	1.12
4511-2017-363	20	0.48	12.22	5.54	5.36	10.41	10.39	5.16	4.75	5.54	5.36	10.41	10.39	5.16	4.75
4511-2018-363	20	0.48	8.69	6.60	6.43	11.48	11.46	6.22	5.82	6.60	6.43	11.48	11.46	6.22	5.82
4511-2021-363	20	0.51	6.35	4.34	4.17	9.22	9.19	3.96	3.56	4.34	4.17	9.22	9.19	3.96	3.56



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Aerotronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-2022-363	20	0.51	6.35	7.49	7.32	12.37	12.34	7.11	6.71	7.49	7.32	12.37	12.34	7.11	6.71
4511-2023-363	20	0.48	2.29	4.01	3.84	8.89	8.86	3.63	3.23	4.01	3.84	8.89	8.86	3.63	3.23
4511-2024-363	20	0.48	8.31	6.22	6.05	11.10	11.07	5.84	5.44	6.22	6.05	11.10	11.07	5.84	5.44
3511-2025-363	20	0.48	18.08	16.00	15.82	20.88	20.85	15.62	15.21	16.00	15.82	20.88	20.85	15.62	15.21
4511-2026-363	20	0.48	10.67	8.97	8.79	13.84	13.82	8.59	8.18	8.97	8.79	13.84	13.82	8.59	8.18
4511-2027-363	20	0.48	8.38	6.68	6.50	11.56	11.53	6.30	5.89	6.68	6.50	11.56	11.53	6.30	5.89
4511-2028-363	20	0.48	6.96	2.59	2.41	7.47	7.44	2.21	1.80	2.59	2.41	7.47	7.44	2.21	1.80
4511-2029-363	20	0.48	10.67	8.97	8.79	13.84	13.82	8.59	8.18	8.97	8.79	13.84	13.82	8.59	8.18
4511-2030-363	20	1.02	6.99	11.40	11.23	16.28	16.26	11.02	10.62	11.40	11.23	16.28	16.26	11.02	10.62
4511-2031-363	20	0.64	14.00	8.97	8.79	13.84	13.82	8.59	8.18	8.97	8.79	13.84	13.82	8.59	8.18
4511-2032-363	20	0.58	7.01	10.52	10.34	15.39	15.37	10.13	9.73	10.52	10.34	15.39	15.37	10.13	9.73
4511-2033-363	20	0.64	4.06	3.71	3.53	8.59	8.56	3.33	2.92	3.71	3.53	8.59	8.56	3.33	2.92
4511-2034-363	20	0.64	4.95	4.60	4.42	9.47	9.45	4.22	3.81	4.60	4.42	9.47	9.45	4.22	3.81
4511-2035-363	20	0.64	8.05	6.73	6.55	11.61	11.58	6.35	5.94	6.73	6.55	11.61	11.58	6.35	5.94
3511-2036-363	20	0.48	16.21	14.25	14.07	19.13	19.10	13.87	13.46	14.25	14.07	19.13	19.10	13.87	13.46
4511-2037-363	20	0.48	9.60	5.87	5.69	10.74	10.72	5.49	5.08	5.87	5.69	10.74	10.72	5.49	5.08
4511-2038-363	20	0.48	12.75	8.81	8.64	13.69	13.67	8.43	8.03	8.81	8.64	13.69	13.67	8.43	8.03
4511-2039-363	20	0.76	3.45	3.76	3.58	8.64	8.61	3.38	2.97	3.76	3.58	8.64	8.61	3.38	2.97
4511-2040-363	20	0.48	16.13	14.22	14.05	19.10	19.08	13.84	13.44	14.22	14.05	19.10	19.08	13.84	13.44
4511-2041-363	20	0.48	3.89	9.47	9.30	14.43	14.33	9.09	8.69	9.47	9.30	14.43	14.33	9.09	8.69
3511-2042-363	20	0.48	23.55	22.00	21.82	26.87	26.85	21.62	21.21	22.00	21.82	26.87	26.85	21.62	21.21
4511-2043-363	20	0.71	3.05	7.65	7.47	12.52	12.50	7.26	6.86	7.65	7.47	12.52	12.50	7.26	6.86
4511-2044-363	20	0.48	7.59	3.05	2.87	7.92	7.90	2.67	2.26	3.05	2.87	7.92	7.90	2.67	2.26
4511-2045-363	20	0.48	10.92	5.82	5.64	10.69	10.67	5.44	5.03	5.82	5.64	10.69	10.67	5.44	5.03
4511-2046-363	20	0.48	6.43	NONE	NONE	4.45	4.42	NONE	NONE	NONE	NONE	4.45	4.42	NONE	NONE
4511-2047-363	20	0.48	10.08	5.46	5.28	10.34	10.31	5.08	4.67	5.46	5.28	10.34	10.31	5.08	4.67
4511-2048-363	20	0.48	9.58	7.49	7.32	12.37	12.34	7.11	6.71	7.49	7.32	12.37	12.34	7.11	6.71
4511-2049-363	20	0.48	8.92	6.99	6.81	11.86	11.84	6.60	6.20	6.99	6.81	11.86	11.84	6.60	6.20
3511-2050-363	20	0.64	24.08	18.42	18.24	23.29	23.27	18.03	17.63	18.42	18.24	23.29	23.27	18.03	17.63
3511-2051-363	20	0.64	22.68	17.75	17.58	22.63	22.61	17.37	16.97	17.75	17.58	22.63	22.61	17.37	16.97
3511-2052-363	20	0.81	22.68	17.75	17.58	22.63	22.61	17.37	16.97	17.75	17.58	22.63	22.61	17.37	16.97
4511-2053-363	20	0.48	12.37	10.29	10.11	15.16	15.14	9.91	9.50	10.29	10.11	15.16	15.14	9.91	9.50
4511-2054-363	20	0.48	10.72	3.86	3.68	8.74	8.71	3.48	3.07	3.86	3.68	8.74	8.71	3.48	3.07
4511-2055-363	20	0.48	6.35	10.92	10.74	15.80	15.77	10.54	10.13	10.92	10.74	15.80	15.77	10.54	10.13
4511-2056-363	20	0.48	6.99	NONE	NONE	5.64	5.61	NONE	NONE	NONE	NONE	5.64	5.61	NONE	NONE
4511-2057-363	20	0.48	6.83	4.75	4.57	9.63	9.60	4.37	3.96	4.75	4.57	9.63	9.60	4.37	3.96



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		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-2058-363	20	0.48	6.15	NONE	NONE	4.75	4.72	NONE	NONE	NONE	NONE	14.25	9.30	NONE	NONE
4511-2059-363	20	0.48	11.28	9.58	9.40	14.45	14.43	9.19	8.79	23.93	19.41	23.95	19.00	16.87	16.84
3511-2060-363	20	0.64	3.00	4.75	4.57	9.63	9.60	4.37	3.96	19.10	14.58	19.13	14.17	12.04	12.01
4511-2061-363	20	0.64	3.51	5.26	5.08	10.13	10.11	4.88	4.47	19.61	15.09	19.63	14.68	12.55	12.52
4511-2062-363	20	0.64	3.99	5.74	5.56	10.62	10.59	5.36	4.95	20.09	15.57	20.12	15.16	13.03	13.00
4511-2063-363	20	0.64	4.50	6.25	6.07	11.13	11.10	5.87	5.46	20.60	16.08	20.62	15.67	13.54	13.51
4511-2064-363	20	0.64	5.00	6.76	6.58	11.63	11.61	6.38	5.97	21.11	16.59	21.13	16.18	14.05	14.02
4511-2065-363	20	0.64	5.51	7.26	7.09	12.14	12.12	6.88	6.48	21.62	17.09	21.64	16.69	14.55	14.53
4511-2066-363	20	0.64	5.99	7.75	7.57	12.62	12.60	7.37	6.96	22.10	17.58	22.12	17.17	15.04	15.01
4511-2067-363	20	0.64	3.00	5.59	5.41	10.46	10.44	5.21	4.80	19.94	15.42	19.96	15.01	12.88	12.85
4511-2068-363	20	0.64	3.51	6.10	5.92	10.97	10.95	5.72	5.31	20.45	15.93	20.47	15.52	13.39	13.36
4511-2069-363	20	0.64	3.99	6.58	6.40	11.46	11.43	6.20	5.79	20.93	16.41	20.96	16.00	13.87	13.84
4511-2070-363	20	0.64	4.50	7.09	6.91	11.96	11.94	6.71	6.30	21.44	16.92	21.46	16.51	14.38	14.35
4511-2071-363	20	0.64	5.00	7.59	7.42	12.47	12.45	7.21	6.81	21.95	17.42	21.97	17.02	14.88	14.86
4511-2072-363	20	0.64	5.51	8.10	7.92	12.98	12.95	7.72	7.32	22.45	17.93	22.48	17.53	15.39	15.37
4511-2073-363	20	0.64	5.99	8.59	8.41	13.46	13.44	8.20	7.80	22.94	18.42	22.96	18.01	15.88	15.85
4511-2074-363	20	0.76	19.53	15.65	15.47	20.52	20.50	15.27	14.86	30.00	25.48	30.02	25.07	22.94	22.91
4511-2075-363	20	0.99	7.11	6.63	6.45	11.51	11.48	6.25	5.84	20.98	16.46	21.01	16.05	13.92	13.89
4511-2076-363	20	0.66	9.75	11.00	10.82	15.88	15.85	10.62	10.21	25.35	20.83	25.37	20.42	18.29	18.26
3511-2077-363	20	0.48	16.31	14.22	14.05	19.10	19.08	13.84	13.44	28.58	24.05	28.60	23.65	21.51	21.49
4511-2078-363	20	0.48	7.62	5.54	5.36	10.41	10.39	5.16	4.75	19.89	15.37	19.91	14.96	12.83	12.80
4511-2079-363	20	0.48	11.05	8.97	8.79	13.84	13.82	9.86	8.18	23.32	18.80	23.34	18.39	17.53	16.23
4511-2080-363	20	0.64	6.02	NONE	NONE	4.70	4.67	NONE	NONE	NONE	NONE	14.20	9.25	NONE	NONE
4511-2081-363	20	0.64	6.15	4.65	4.47	9.53	9.50	4.27	3.86	19.00	14.48	19.02	14.07	11.94	11.91
4511-2082-363	20	0.64	9.73	2.87	2.69	7.75	7.72	2.49	2.08	17.22	12.70	17.25	12.29	10.16	10.13
3511-2083-363	20	0.64	14.38	12.90	12.73	17.78	17.75	12.52	12.12	27.25	22.73	27.28	22.33	20.19	20.17
4511-2084-363	20	0.64	24.00	18.42	18.24	23.29	23.27	18.03	17.63	32.77	28.24	32.79	27.84	25.70	25.68
4511-2085-363	20	0.64	19.35	15.70	15.52	20.57	20.55	15.32	14.91	30.05	25.53	30.07	25.12	22.99	22.96
4511-2086-363	20	0.64	8.13	4.57	4.39	9.45	9.42	4.19	3.78	18.92	14.40	18.95	14.00	11.86	11.84
4511-2087-363	20	0.48	6.58	NONE	NONE	5.18	5.16	NONE	NONE	NONE	NONE	14.68	9.73	NONE	NONE
4511-2088-363	20	0.48	5.92	2.39	2.21	7.26	7.24	2.01	1.60	16.74	12.22	16.76	11.81	9.68	9.65
4511-2089-363	20	0.48	11.13	4.27	4.09	9.14	9.12	3.89	3.48	18.62	14.10	18.64	13.69	11.56	11.53
4511-2090-363	20	0.48	5.41	5.61	5.44	10.49	10.46	5.23	4.83	19.96	15.44	19.99	15.04	12.90	12.88
4511-2091-363	20	0.64	3.81	5.59	5.41	10.46	10.44	5.21	4.80	19.94	15.42	19.96	15.01	12.88	12.85
3511-2092-363	20	0.64	12.45	10.67	10.49	15.54	15.52	10.29	9.88	25.02	20.50	25.04	20.09	17.96	17.93
4511-2093-363	20	0.86	12.45	3.96	3.78	8.84	8.81	3.58	3.18	18.31	13.79	18.34	13.39	11.25	11.23



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Aerotronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468
		±.03	Ref.	MS27652	MS27654			Shells 9 - 17	Shells 19 - 25	MS27652	MS27654			Shells 9 - 17	Shells 19 - 25
4511-2094-363	20	0.48	7.24	6.83	6.65	11.71	11.68	6.45	6.05	21.18	16.66	21.21	16.26	14.12	14.10
4511-2095-363	20	0.48	5.72	3.63	3.45	8.51	8.48	3.25	2.84	17.98	13.46	18.01	13.06	10.92	10.90
4511-2096-363	20	0.48	13.00	11.30	11.13	16.18	16.15	10.92	10.52	25.65	21.13	25.68	20.73	18.59	18.57
4511-2097-363	20	0.48	14.20	12.50	12.32	17.37	17.35	12.12	11.71	26.85	22.33	26.87	21.92	19.79	19.76
4511-2098-363	20	0.48	13.77	11.68	11.51	16.56	16.54	11.30	10.90	26.04	21.51	26.06	21.11	18.97	18.95
4511-2099-363	20	0.48	10.54	6.60	6.43	11.48	11.46	6.22	5.82	20.96	16.43	20.98	16.03	13.89	13.87
4511-2002E-363	20	0.48	2.29	4.32	4.14	9.19	9.17	3.94	3.53	18.67	14.15	18.69	13.74	11.61	11.58
4511-2003E-363	20	0.48	2.92	4.32	4.14	9.19	9.17	3.94	3.53	18.67	14.15	18.69	13.74	11.61	11.58
4511-2004E-363	20	0.48	6.63	2.97	2.79	7.85	7.82	2.59	2.18	17.32	12.80	17.35	12.40	10.26	10.24
4511-2005E-363	20	0.48	7.24	7.75	7.57	12.62	12.60	7.37	6.96	22.10	17.58	22.12	17.17	15.04	15.01
4511-2006E-363	20	0.48	6.88	8.15	7.98	13.03	13.00	7.77	7.37	22.50	17.98	22.53	17.58	15.44	15.42
4511-2007E-363	20	0.48	13.84	7.49	7.32	12.37	12.34	7.11	6.71	21.84	17.32	21.87	16.92	14.78	14.76
4511-2008E-363	20	0.48	7.49	12.07	11.89	16.94	16.92	11.68	11.28	26.42	21.89	26.44	21.49	19.35	19.33
4511-2010E-363	20	0.48	5.59	10.92	10.74	15.80	15.77	10.54	10.13	25.27	20.75	25.30	20.35	18.21	18.19
4511-2011E-363	20	0.48	2.41	16.26	16.08	21.13	21.11	15.88	15.47	30.61	26.09	30.63	25.68	23.55	23.52
4511-2012E-363	20	0.48	8.46	2.11	1.93	6.99	6.96	1.73	1.32	16.46	11.94	16.48	11.53	9.40	9.37
4511-2013E-363	20	1.02	6.35	11.91	11.73	1.68	16.76	11.53	11.13	26.26	21.74	11.18	21.34	19.20	19.18
4511-1600-364	16	1.57	13.92	8.99	8.81	13.87	13.84	8.61	8.20	23.34	18.82	23.37	18.42	16.28	16.26
4511-1601-364	16	1.57	8.69	8.71	8.53	13.59	13.56	8.33	7.92	23.06	18.54	23.09	18.14	16.00	15.98
4511-1602-364	16	1.57	7.80	1.65	1.47	6.53	6.50	1.27	0.86	16.00	11.48	16.03	11.07	8.94	8.92
4511-1603-364	16	1.22	13.89	8.97	8.79	13.84	13.82	8.59	8.18	23.32	18.80	23.34	18.39	16.26	16.23
4511-1604-364	16	1.57	9.83	2.92	2.74	7.80	7.77	2.54	2.13	17.27	12.75	17.30	12.34	10.21	10.19
4511-1605-364	16	1.45	3.00	9.25	9.07	14.12	14.10	8.86	8.46	23.60	19.08	23.62	18.67	16.54	16.51
4511-1606-364	16	1.27	4.32	7.24	7.06	12.12	12.09	6.86	6.45	21.59	17.07	21.62	16.66	14.53	14.50
4511-1607-364	16	1.57	19.10	15.47	15.29	20.35	20.32	15.09	14.68	29.82	25.30	29.85	24.89	22.76	22.73
4511-1608-364	16	1.57	2.29	4.01	3.84	8.89	8.86	3.63	3.23	18.36	13.84	18.39	13.44	11.30	11.28
4511-1609-364	16	1.57	13.92	11.51	11.33	16.38	16.36	11.13	10.72	25.86	21.34	25.88	20.93	18.80	18.77
4511-1610-364	16	0.64	11.07	8.99	8.81	13.87	13.84	8.61	8.20	23.34	18.82	23.37	18.42	16.28	16.26
4511-1611-364	16	0.64	4.19	3.71	3.53	8.59	8.56	3.33	2.92	18.06	13.54	18.08	13.13	11.00	10.97
4511-1612-364	16	0.64	5.08	4.60	4.42	9.47	9.45	4.22	3.81	18.95	14.43	18.97	14.02	11.89	11.86
4511-1613-364	16	0.64	6.05	5.56	5.38	10.44	10.41	5.18	4.78	19.91	15.39	19.94	14.99	12.85	12.83
4511-1614-364	16	1.57	5.72	NONE	NONE	3.73	3.71	NONE	NONE	NONE	NONE	13.23	8.28	NONE	NONE
4511-1615-364	16	1.57	6.45	NONE	NONE	5.18	5.16	NONE	NONE	NONE	NONE	14.68	9.73	NONE	NONE
4511-1618-364	16	0.64	2.16	5.72	5.54	10.59	10.57	5.33	4.93	20.07	15.54	20.09	15.14	13.00	12.98
4511-1620-364	16	1.02	13.92	6.63	6.45	11.51	11.48	6.25	5.84	20.98	16.46	21.01	16.05	13.92	13.89
4511-1621-364	16	1.02	15.98	8.69	8.51	13.56	13.54	8.31	7.90	23.04	18.52	23.06	18.11	15.98	15.95



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468
		±.03	Ref.	MS27652	MS27654 MS27656			Shells 9 - 17	Shells 19 - 25	MS27652	MS27654 MS27656			Shells 9 - 17	Shells 19 - 25
4511-1630-364	16	0.89	3.43	NONE	NONE	3.81	3.78	NONE	NONE	NONE	NONE	13.31	8.36	NONE	NONE
4511-1640-364	16	1.57	3.00	4.75	4.57	9.63	9.60	4.37	3.96	19.10	14.58	19.13	14.17	12.04	12.01
4511-1641-364	16	1.57	3.51	5.26	5.08	10.13	10.11	4.88	4.47	19.61	15.09	19.63	14.68	12.55	12.52
4511-1642-364	16	1.57	3.99	5.74	5.56	10.62	10.59	5.36	4.95	20.09	15.57	20.12	15.16	13.03	13.00
4511-1643-364	16	1.57	4.50	6.25	6.07	11.13	11.10	5.87	5.46	20.60	16.08	20.62	15.67	13.54	13.51
4511-1644-364	16	1.57	5.00	6.76	6.58	11.63	11.61	6.38	5.97	21.11	16.59	21.13	16.18	14.05	14.02
4511-1645-364	16	1.57	5.51	7.26	7.09	12.14	12.12	6.88	6.48	21.62	17.09	21.64	16.69	14.55	14.53
4511-1646-364	16	1.57	5.99	7.75	7.57	12.62	12.60	7.37	6.96	22.10	17.58	22.12	17.17	15.04	15.01
4511-1647-364	16	1.57	3.00	5.59	5.41	10.46	10.44	5.21	4.80	19.94	15.42	19.96	15.01	12.88	12.85
4511-1648-364	16	1.57	3.51	6.10	5.92	10.97	10.95	5.72	5.31	20.45	15.93	20.47	15.52	13.39	13.36
4511-1649-364	16	1.57	3.99	6.58	6.40	11.46	11.43	6.20	5.79	20.93	16.41	20.96	16.00	13.87	13.84
4511-1650-364	16	1.57	4.50	7.09	6.91	11.96	11.94	6.71	6.30	21.44	16.92	21.46	16.51	14.38	14.35
4511-1651-364	16	1.57	5.00	7.59	7.42	12.47	12.45	7.21	6.81	21.95	17.42	21.97	17.02	14.88	14.86
4511-1652-364	16	1.57	5.51	8.10	7.92	12.98	12.95	7.72	7.32	22.45	17.93	22.48	17.53	15.39	15.37
4511-1653-364	16	1.57	5.99	8.59	8.41	13.46	13.44	8.20	7.80	22.94	18.42	22.96	18.01	15.88	15.85
4511-1654-364	16	1.22	22.68	17.75	17.58	22.63	22.61	17.37	16.97	32.11	27.58	32.13	27.18	25.04	25.02
4511-1655-364	16	1.52	19.53	15.65	15.47	20.52	20.50	15.27	14.86	30.00	25.48	30.02	25.07	22.94	22.91
4511-1656-364	16	1.57	7.65	5.87	5.69	10.74	10.72	5.49	5.08	20.22	15.70	20.24	15.29	13.16	13.13
4511-1657-364	16	1.57	11.02	6.81	6.63	11.68	11.66	6.43	6.02	21.16	16.64	21.18	16.23	14.10	14.07
4511-1658-364	16	0.99	3.05	7.65	7.47	12.52	12.50	7.26	6.86	22.00	17.48	22.02	17.07	14.94	14.91
4511-1659-364	16	1.57	7.11	7.19	7.01	12.07	12.04	6.81	6.40	21.54	17.02	21.56	16.61	14.48	14.45
4511-1660-364	16	1.57	5.41	5.61	5.44	10.49	10.46	5.23	4.83	19.96	15.44	19.99	15.04	12.90	12.88
4511-1661-364	16	1.57	10.49	5.77	5.59	10.64	10.62	5.38	4.98	20.12	15.60	20.14	15.19	13.06	13.03
4511-1662-364	16	1.57	6.07	1.35	1.17	6.22	6.20	0.97	0.56	15.70	11.18	15.72	10.77	8.64	8.61
4511-1663-364	16	1.57	10.87	6.12	5.94	11.00	10.97	5.74	5.33	20.47	15.95	20.50	15.54	13.41	13.39
4511-1664-364	16	1.57	4.55	NONE	NONE	4.50	4.47	NONE	NONE	NONE	NONE	14.00	9.04	NONE	NONE
4511-1665-364	16	1.57	16.59	11.66	11.48	16.54	16.51	11.28	10.87	26.01	21.49	26.04	21.08	18.95	18.92
4511-1666-364	16	1.57	10.67	8.97	8.79	13.84	13.82	8.59	8.18	23.32	18.80	23.34	18.39	16.26	16.23
4511-1667-364	16	1.57	8.38	6.68	6.50	11.56	11.53	6.30	5.89	21.03	16.51	21.06	16.10	13.97	13.94
4511-1668-364	16	1.57	6.27	2.08	1.91	6.96	6.93	1.70	1.30	16.43	11.91	16.46	11.51	9.37	9.35
4511-1669-364	16	1.57	12.75	8.81	8.64	13.69	13.67	8.43	8.03	23.16	18.64	23.19	18.24	16.10	16.08
4511-1670-364	16	1.57	16.13	14.22	14.05	19.10	19.08	13.84	13.44	28.58	24.05	28.60	23.65	21.51	21.49
4511-1671-364	16	1.57	6.78	1.91	1.73	6.78	6.76	1.52	1.12	16.26	11.73	16.28	11.33	9.19	9.17
4511-1672-364	16	1.57	14.55	12.88	12.70	17.75	17.73	12.50	12.09	27.23	22.71	27.25	22.30	20.17	20.14
4511-1673-364	16	1.57	6.35	10.92	10.74	15.80	15.77	10.54	10.13	25.27	20.75	25.30	20.35	18.21	18.19
4511-1674-364	16	1.57	9.60	5.94	5.77	10.82	10.80	5.56	5.16	20.29	15.77	20.32	15.37	13.23	13.21



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		O.D.	Length	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468	MS27466	MS27515	MS27496	MS27505	MS27468	MS27468
		±.03	Ref.	MS27652	MS27654 MS27656			Shells 9 - 17	Shells 19 - 25	MS27652	MS27654 MS27656			Shells 9 - 17	Shells 19 - 25
4511-1675-364	16	1.57	8.00	4.06	3.89	8.94	8.92	3.68	3.28	18.42	13.89	18.44	13.49	11.35	11.33
4511-1676-364	16	1.57	9.65	14.25	14.07	19.13	19.10	13.87	13.46	28.60	24.08	28.63	23.67	21.54	21.51
4511-1677-364	16	1.57	11.43	7.49	7.32	12.37	12.34	7.11	6.71	21.84	17.32	21.87	16.92	14.78	14.76
4511-1678-364	16	1.57	8.18	3.30	3.12	8.18	8.15	2.92	2.51	17.65	13.13	17.68	12.73	10.59	10.57
4511-1679-364	16	1.57	9.78	NONE	NONE	5.66	5.64	NONE	NONE	NONE	NONE	15.16	10.21	NONE	NONE
4511-1680-364	16	1.57	13.26	9.60	9.42	14.48	14.45	9.22	8.81	23.95	19.43	23.98	19.02	16.89	16.87
4511-1681-364	16	1.57	10.03	5.16	4.98	10.03	10.01	4.78	4.37	19.51	14.99	19.53	14.58	12.45	12.42
4511-1682-364	16	1.57	7.65	5.99	5.82	10.87	10.85	5.61	5.21	20.35	15.82	20.37	15.42	13.28	13.26
4511-1683-364	16	1.57	11.30	6.43	6.25	11.30	11.28	6.05	5.64	20.78	16.26	20.80	15.85	13.72	13.69
4511-1684-364	16	1.57	21.64	20.12	19.94	24.99	24.97	19.74	19.33	34.47	29.95	34.49	29.54	27.41	27.38
4511-1685-364	16	1.57	10.08	8.00	7.82	12.88	12.85	7.62	7.21	22.35	17.83	22.38	17.42	15.29	15.27
4511-1686-364	16	1.57	24.00	18.42	18.24	23.29	23.27	18.03	17.63	32.77	28.24	32.79	27.84	25.70	25.68
4511-1687-364	16	1.57	20.65	18.95	18.77	23.83	23.80	18.57	18.16	33.30	28.78	33.32	28.37	26.24	26.21
4511-1688-364	16	1.57	13.00	11.30	11.13	16.18	16.15	10.92	10.52	25.65	21.13	25.68	20.73	18.59	18.57
4511-1689-364	16	1.57	4.83	5.36	5.18	10.24	10.21	4.98	4.57	19.71	15.19	19.74	14.78	12.65	12.62
4511-1690-364	16	1.37	3.51	3.96	3.78	8.84	8.81	3.58	3.18	18.31	13.79	18.34	13.39	11.25	11.23
4511-1691-364	16	1.02	5.08	4.52	4.34	9.40	9.37	4.14	3.73	18.87	14.35	18.90	13.94	11.81	11.79
4511-1692-364	16	1.57	6.35	11.91	11.73	16.79	16.76	11.53	11.13	26.26	21.74	26.29	21.34	19.20	19.18
4511-1200-365	12	2.06	16.33	8.97	8.79	13.84	13.82	8.59	8.18	23.32	18.80	23.34	18.39	16.26	16.23
4511-1201-365	12	2.06	12.01	4.65	4.47	9.53	9.50	4.27	3.86	19.00	14.48	19.02	14.07	11.94	11.91
4511-1202-365	12	2.06	6.17	NONE	NONE	3.68	3.66	NONE	NONE	NONE	NONE	13.18	8.23	NONE	NONE
4511-1203-365	12	2.06	13.28	5.92	5.74	10.80	10.77	5.54	5.13	20.27	15.75	20.29	15.34	13.21	13.18
4511-1204-365	12	2.06	3.99	5.49	5.31	10.36	10.34	5.11	4.70	19.84	15.32	19.86	14.91	12.78	12.75
4511-1205-365	12	2.06	5.41	8.64	8.46	13.51	13.49	8.26	7.85	22.99	18.47	23.01	18.06	15.93	15.90
4511-1206-365	12	2.06	6.20	7.65	7.47	12.52	12.50	7.26	6.86	22.00	17.48	22.02	17.07	14.94	14.91
4511-1207-365	12	2.06	22.35	14.86	14.68	19.74	19.71	14.48	14.07	29.21	24.69	29.24	24.28	22.15	22.12
4511-1208-365	12	2.03	17.93	11.73	11.56	16.61	16.59	11.35	10.95	26.09	21.56	26.11	21.16	19.02	19.00
4511-1210-365	12	2.06	3.68	3.71	3.53	8.59	8.56	3.33	2.92	18.06	13.54	18.08	13.13	11.00	10.97
4511-1211-365	12	2.06	4.57	4.60	4.42	9.47	9.45	4.22	3.81	18.95	14.43	18.97	14.02	11.89	11.86
4511-1230-365	12	2.06	7.62	13.36	13.18	18.24	18.21	12.98	12.57	27.71	23.19	27.74	22.78	20.65	20.62
4511-1231-365	12	2.06	14.99	15.19	15.01	20.07	20.04	14.81	14.40	29.54	25.02	29.57	24.61	22.48	22.45
4511-1240-365	12	2.06	3.00	4.75	4.57	9.63	9.60	4.37	3.96	19.10	14.58	19.13	14.17	12.04	12.01
4511-1241-365	12	2.06	3.51	5.26	5.08	10.13	10.11	4.88	4.47	19.61	15.09	19.63	14.68	12.55	12.52
4511-1242-365	12	2.06	3.99	5.74	5.56	10.62	10.59	5.36	4.95	20.09	15.57	20.12	15.16	13.03	13.00
4511-1243-365	12	2.06	4.50	6.25	6.07	11.13	11.10	5.87	5.46	20.60	16.08	20.62	15.67	13.54	13.51
4511-1244-365	12	2.06	5.00	6.76	6.58	11.63	11.61	6.38	5.97	21.11	16.59	21.13	16.18	14.05	14.02



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		CONTACT EXTENSION FROM REAR						CONTACT EXTENSION FROM FLANGE					
		O.D.	Length	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25	MS27466 MS27652	MS27515 MS27654 MS27656	MS27496	MS27505	MS27468 Shells 9 - 17	MS27468 Shells 19 - 25
		±.03	Ref.												
4511-1245-365	12	2.06	5.51	7.26	7.09	12.14	12.12	6.88	6.48	21.62	17.09	21.64	16.69	14.55	14.53
4511-1246-365	12	2.06	5.99	7.75	7.57	12.62	12.60	7.37	6.96	22.10	17.58	22.12	17.17	15.04	15.01
4511-1247-365	12	2.06	3.00	5.59	5.41	10.46	10.44	5.21	4.80	19.94	15.42	19.96	15.01	12.88	12.85
4511-1248-365	12	2.06	3.51	6.10	5.92	10.97	10.95	5.72	5.31	20.45	15.93	20.47	15.52	13.39	13.36
4511-1249-365	12	2.06	3.99	6.58	6.40	11.46	11.43	6.20	5.79	20.93	16.41	20.96	16.00	13.87	13.84
4511-1250-365	12	2.06	4.50	7.09	6.91	11.96	11.94	6.71	6.30	21.44	16.92	21.46	16.51	14.38	14.35
4511-1251-365	12	2.06	5.00	7.59	7.42	12.47	12.45	7.21	6.81	21.95	17.42	21.97	17.02	14.88	14.86
4511-1252-365	12	2.06	5.51	8.10	7.92	12.98	12.95	7.72	7.32	22.45	17.93	22.48	17.53	15.39	15.37
4511-1253-365	12	2.06	5.99	8.59	8.41	13.46	13.44	8.20	7.80	22.94	18.42	22.96	18.01	15.88	15.85
4511-1254-365	12	2.39	7.11	7.65	7.47	12.52	12.50	7.26	6.86	22.00	17.48	22.02	17.07	14.94	14.91
4511-1255-365	12	2.06	7.11	13.54	13.36	18.42	18.39	13.16	12.75	27.89	23.37	27.91	22.96	20.83	20.80
4511-1256-365	12	2.06	6.73	10.01	9.83	14.88	14.86	9.63	9.22	24.36	19.84	24.38	19.43	17.30	17.27
4511-1257-365	12	2.06	6.35	11.91	11.73	16.79	16.76	11.53	11.13	26.26	21.74	26.29	21.34	19.20	19.18