

2022 ESD

Solution Innovator

ESD Transceiver EMI Filter



Index

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TVS

	Part No.	Package	Capacitance (pF, Typical)	V _{SV} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
1	AZ1013-02N	SOT143-4L	2.8	4.5	3.3	2	4	3.3
2	AZ1013-04C	SC70-5L	1.8	4.5	3.3	4	5	3.3
3	AZ1013-04F	DFN2510P10E	2	4.5	3.3	4	10	3.3
4	AZ1015-02N	SOT143-4L	2	6.1	5	2	4	5
5	AZ1015-02S	SOT23-5L	2	6.1	5	2	5	5
6	AZ1015-04S	SOT23-6L	2	6.1	5	4	6	5
7	AZ101S-02F	DFN1210P6X	0.18	4.5	1.5	2	6	1.5
8	AZ1023-02F	DFN1210P6X	0.18	4.5	3.3	2	6	3.3
9	AZ1023-04F	DFN2510P10E	0.18	4.5	3.3	4	10	3.3
10	AZ1043-04F	DFN2510P10E	0.45	4.5	3.3	4	10	3.3
11	AZ1043-08F	DFN3810P9E	0.5	4.5	3.3	8	9	3.3
12	AZ1045-02F	DFN1210P6X	0.5	6	5	2	6	5
13	AZ1045-04F	DFN2510P10E	0.5	6	5	4	10	5
14	AZ1045-04QU	MSOP-10L	0.55	6	5	4	10	5
15	AZ1045-04SU	SOT23-6L	0.55	6	5	4	6	5
16	AZ1045-08F	DFN3810P9E	0.5	6	5	8	9	5
17	AZ1065-06F	DFN4120P10E	0.27	6	5	6	10	5
18	AZ1065-06Q	MSOP-8L	0.27	6	5	6	8	5
19	AZ1083-08F	DFN5515P18E	0.1	4.5	3.3	8	18	3.3
20	AZ108S-06F	DFN3310P10E	0.35	4.5	1.5	6	10	1.5
21	AZ111S-08F	DFN3810P9E	0.1	4.5	1.5	8	9	1.5
22	AZ1123-04F	DFN2510P10E	0.2	5	3.3	4	10	3.3
23	AZ1135-04S	SOT23-6L	1.7	6	5	4	6	5
24	AZ1143-04F	DFN2510P10E	0.45	4.5	3.3	4	10	3.3
25	AZ1165-06Q	MSOP-8L	0.45	6	5	6	8	5
26	AZ1213-04F	DFN2510P10E	2.1	5	3.3	4	10	3.3
27	AZ1235-04S	SOT23-6L	1.7	6	5	4	6	5
28	AZ1243-04F	DFN2510P10E	0.5	4.5	3.3	4	10	3.3
29	AZ128S-08F	DFN5515P14E	0.5	4.5	1.5	8	14	1.5
30	AZ1345-04F	DFN2510P8E	0.35	6	5	4	8	5
31	AZ1365-06F	DFN4120P10E	0.35	4.5	2.2	6	10	3.3
32	AZ1513-04S	SOT23-6L	2	4.5	3.3	4	6	3.3

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge I _{pp} (A)	Size (L) mm	Size (W) mm	Size (H) mm
9	6.5	30	30	80	12	2.92	1.30	1.06
7.8	5.7	30	30	80	15	2.05	1.25	1.00
7.8	5.2	30	25	80	15	2.50	1.00	0.50
13.5	8	24	16	40	13	2.92	1.30	1.06
13	7.8	24	16	40	13	2.92	1.60	1.25
13	7.8	24	16	40	13	2.92	1.60	1.45
12	N/A	15	8	N/A	2.5	1.20	1.00	0.45
13	N/A	15	8	20	3	1.20	1.00	0.45
11	N/A	15	8	20	3	2.50	1.00	0.50
10.5	N/A	15	11	N/A	4	2.50	1.00	0.50
9	N/A	15	12	N/A	5	3.80	1.00	0.50
12	N/A	15	10	N/A	3.5	1.20	1.00	0.45
12	N/A	15	10	N/A	3.5	2.50	1.00	0.50
12.5	N/A	19	12	N/A	N/A	3.00	3.00	1.00
12	N/A	19	12	N/A	4.7	2.92	1.60	1.45
10.5	N/A	15	15	N/A	5	3.80	1.00	0.50
13	N/A	15	8	N/A	N/A	4.10	2.00	0.50
13	N/A	15	8	N/A	N/A	3.00	3.00	1.00
16.5	N/A	15	8	N/A	3	5.50	1.50	0.50
7	N/A	15	10	N/A	N/A	3.30	1.00	0.50
15	N/A	15	8	N/A	3	3.80	1.00	0.50
10	9	15	12	N/A	6.5	2.50	1.00	0.50
7.2	5.8	30	30	80	17	2.92	1.60	1.25
9	N/A	18	16	40	6	2.50	1.00	0.50
9.5	N/A	15	10	N/A	N/A	3.00	3.00	1.00
6.5	5.2	30	30	80	20	2.50	1.00	0.50
7.5	6	30	30	80	16	2.92	1.60	1.25
8.5	5.5	27	25	50	12	2.50	1.00	0.50
5.5	N/A	18	16	40	6.5	5.50	1.50	0.50
12	N/A	15	10	N/A	N/A	2.50	1.00	0.50
8.5	N/A	15	10	N/A	4	4.10	2.00	0.50
7.5	5.8	30	30	80	30	2.92	1.60	1.25

TVS

	Part No.	Package	Capacitance (pF, Typical)	V _{SV} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
33	AZ1515-04S	SOT23-6L	1.8	6	5	4	6	5
34	AZ1575-04S	SOT23-6L	1.8	5.8	5	4	6	5
35	AZ1603-01L	SOD-323	2	4	3.3	1	2	3.3
36	AZ1603-02S	SOT23-6L	0.9	4	3.3	4	6	3.3
37	AZ1613-01L	SOD-323	2	4.6	3.3	1	2	3.3
38	AZ1615-01L	SOD-323	1.9	6	5	1	2	5
39	AZ1743-04F	DFN1308P5Z	0.4	4.5	3.3	4	5	3.3
40	AZ176S-04F	DFN2510P10E	0.29	5	1.5	4	10	1.5
41	AZ1943-04F	DFN2010P5E	0.29	4.5	3.3	4	5	3.3
42	AZ2013-05R	SOT-563	26	4.5	3.3	5	6	3.3
43	AZ2015-01H	SOD-523	20	6.1	5	1	2	5
44	AZ2015-02S	SOT23-3L	55	6.1	5	2	3	5
45	AZ2015-05R	SOT-563	16	6.5	5	5	6	5
46	AZ2025-01H	SOD-523	11.5	6.1	5	1	2	5
47	AZ2025-02S	SOT23-3L	12	6.1	5	2	3	5
48	AZ2025-04R	SOT-563	5.5	6	5	4	6	5
49	AZ2025-04S	SOT23-5L	12	6.1	5	4	5	5
50	AZ2113-04F	DFN2116P8X	36	4.5	3.3	4	8	3.3
51	AZ2113-08F	DFN2510P10E	28	4.5	3.3	8	10	3.3
52	AZ2115-04C	SC70-5L	13	6	5	4	5	5
53	AZ2115-04SN1	SOT23-6L	13	6	5	4	6	5
54	AZ2115-05C	SC70-6L	13	6	5	5	6	5
55	AZ2115-05F	QFN1616P6E	13	6	5	5	6	5
56	AZ2115-05S	SOT23-6L	13	6	5	5	6	5
57	AZ2215-01L	SOD-323	25	6.1	5	1	2	5
58	AZ2225-01L	SOD-323	14	6.1	5	1	2	5
59	AZ3003-01G	SOD123	1500	4	3.3	1	2	3.3
60	AZ3005-01G	SOD123	1300	6	5	1	2	5
61	AZ3028-04P	SO-8	5.5	3	2.8	4	8	2.8
62	AZ3028-08P	SO-8	3	3	2.8	8	8	2.8
63	AZ3103-01F	DFN1610P2E	465	4	3.3	1	2	3.3
64	AZ3105-01F	DFN1610P2E	250	6	5	1	2	5

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge I _{pp} (A)	Size (L) mm	Size (W) mm	Size (H) mm
9	7.3	30	30	80	30	2.92	1.60	1.25
10	8	30	30	80	20	2.90	1.60	1.10
12	9	30	30	80	20	1.70	1.30	0.90
10	7	30	30	80	18	2.92	1.60	1.25
8	6.5	30	30	80	21	1.70	1.30	0.90
9.5	7.5	30	30	80	21	1.70	1.30	0.90
9.5	N/A	15	11	N/A	4	1.30	0.80	0.40
4.3	N/A	15	14	30	4	2.50	1.00	0.50
9.5	7.5	16	14	30	5	2.00	1.00	0.50
6	N/A	18	18	60	N/A	1.60	1.20	0.56
9	7	23	15	40	8.5	1.20	0.80	0.64
9	6	30	22	80	16	2.90	1.30	1.02
8.5	N/A	15	12	30	N/A	1.60	1.20	0.56
10.5	7	22	15	40	8.5	1.20	0.80	0.64
10.5	7	22	15	40	8.5	2.90	1.30	1.02
12	N/A	17	12	40	N/A	1.60	1.20	0.56
10.5	7	22	15	40	8.5	2.92	1.60	1.20
6.5	6	20	20	60	5	2.10	1.60	0.45
7	5	15	13	40	6	2.50	1.00	0.50
7.8	6.5	16	10	35	6	2.05	1.25	1.00
8.5	6.5	16	10	35	6	2.92	1.60	1.45
7.8	6.8	16	10	35	6	2.05	1.25	1.00
8.5	6.8	16	10	35	6	1.60	1.60	0.55
8.5	6.8	16	10	35	6	2.92	1.60	1.45
9	7	25	15	40	8.5	1.70	1.30	0.90
10.5	7	22	15	40	8.5	1.70	1.30	0.90
8	7	30	30	80	65	2.70	1.60	1.15
8.5	7.5	30	30	80	60	2.70	1.60	1.15
N/A	10	30	30	60	30	4.90	3.90	1.55
N/A	12	30	30	80	30	4.90	3.90	1.55
4.8	5.3	30	30	80	80	1.60	1.00	0.50
6	6.4	30	30	80	80	1.60	1.00	0.50

TVS

	Part No.	Package	Capacitance (pF, Typical)	V _{SV} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
65	AZ3105-04P	SO-8	4	6	5	4	8	5
66	AZ3125-08F	DFN3020P10E	1.7	3	2.5	4	10	2.5
67	AZ3133-04F	DFN2525P10E	3	3.9	3.3	4	10	3.3
68	AZ3133-08F	DFN3020P10E	3.6	3.9	3.3	4	10	3.3
69	AZ3205-01F	DFN1610P2E	140	6.0	5	1	2	5
70	AZ3225-08F	DFN3020P10E	1.2	3	2.5	4	10	2.5
71	AZ3233-02F	DFN2525P10E	10	3.9	3.3	2	10	3.3
72	AZ3505-01F	DFN1610P2E	310	5	4.5	1	2	4.5
73	AZ3603-01F	DFN1610P2E	280	3.7	3.3	1	2	3.3
74	AZ3705-01F	DFN2020P3E	430	5	4.5	1	3	4.5
75	AZ4007-01H	SOD-523	60	8.5	7	1	2	7
76	AZ4007-01L	SOD-323	60	8.5	7	1	2	7
77	AZ4007-02S	SOT23-3L	60	8.5	7	2	3	7
78	AZ4008-01F	DFN1006P2E	210	8	7.9	1	2	7.9
79	AZ4008-01G	SOD123	1100	9	8	1	2	8
80	AZ4010-01G	SOD123	750	11.2	10	1	2	10
81	AZ4012-01F	DFN1006P2X	40	13.5	12	1	2	12
82	AZ4012-01G	SOD123	290	14.4	12	1	2	12
83	AZ4012-01H	SOD-523	40	13.5	12	1	2	12
84	AZ4012-01L	SOD-323	40	13.5	12	1	2	12
85	AZ4012-02S	SOT23-3L	40	13.5	12	2	3	12
86	AZ4015-01G	SOD123	675	16.7	15	1	2	15
87	AZ4018-01G	SOD123	620	20	18	1	2	18
88	AZ4020-01F	DFN2020P2E	650	22.8	20	1	2	20
89	AZ4020-01G	SOD123	580	22.2	20	1	2	20
90	AZ4024-01F	DFN1006P2X	42	26.7	24	1	2	24
91	AZ4024-01G	SOD123	450	26.7	24	1	2	24
92	AZ4024-01H	SOD-523	60	26.7	24	1	2	24
93	AZ4024-01L	SOD-323	60	26.7	24	1	2	24
94	AZ4024-02S	SOT23-3L	20	26.7	24	2	3	24
95	AZ4028-01G	SOD123	300	31.1	28	1	2	28
96	AZ4030-01G	SOD123	480	33.3	30	1	2	30

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge I _{pp} (A)	Size (L) mm	Size (W) mm	Size (H) mm
9	7.3	20	20	80	30	4.90	3.90	1.55
8	6.5	30	30	80	45	3.00	2.00	0.55
11.5	12	30	30	80	25	2.50	2.50	0.52
10.5	9	30	30	80	45	3.00	2.00	0.55
6.0	5.6	30	30	80	100	1.60	1.00	0.50
8	7	30	30	80	45	3.00	2.00	0.55
N/A	9.2	30	30	80	50	2.50	2.50	0.52
5.5	5	30	30	80	200	1.60	1.00	0.50
4.7	5	30	30	80	180	1.60	1.00	0.50
5.5	5	30	30	80	250	2.00	2.00	0.55
12.5	11.7	30	25	80	5.5	1.20	0.80	0.64
12.5	12	30	25	80	5.5	1.70	1.30	0.90
12.5	11.5	30	25	80	6	2.90	1.30	1.02
10	9.2	30	30	80	25	1.0	0.6	0.5
12	10.5	30	30	80	60	2.70	1.60	1.15
13.5	13	30	30	80	53	2.70	1.60	1.15
20	N/A	24	18	60	N/A	1.00	0.60	0.45
17.5	16.5	30	30	80	20	2.70	1.60	1.15
20	N/A	26	20	60	N/A	1.20	0.80	0.64
22	N/A	18	18	60	N/A	1.70	1.30	0.90
23	N/A	26	20	60	N/A	2.90	1.30	1.02
19.5	18	30	30	80	40	2.70	1.60	1.15
25	22	30	30	80	34	2.70	1.60	1.15
25	24	30	30	N/A	58	2.00	2.00	0.50
26	23.5	30	30	80	30	2.70	1.60	1.15
42	N/A	25	25	60	N/A	1.00	0.60	0.48
32	30	30	30	80	25	2.70	1.60	1.15
37.5	41.5	25	25	70	5	1.20	0.80	0.64
38	42.5	30	30	80	5	1.70	1.30	0.90
43.5	35	15	15	60	5.5	2.90	1.30	1.02
36	34	30	30	80	22	2.70	1.60	1.15
40	37	30	30	80	20	2.70	1.60	1.15

TVS

	Part No.	Package	Capacitance (pF, Typical)	V _{SV} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
97	AZ4036-01G	SOD123	420	40	36	1	2	36
98	AZ4040-01G	SOD123	200	44.2	40	1	2	40
99	AZ4045-01G	SOD123	240	50	45	1	2	45
100	AZ4107-01F	DFN1006P2X	160	8	7	1	2	7
101	AZ4112-01G	SOD123	780	14	12	1	2	12
102	AZ4115-01F	DFN1006P2X	65	16.7	15	1	2	15
103	AZ4120-01F	DFN1006P2X	52	22.2	20	1	2	20
104	AZ4124-01F	DFN1006P2E	72	25.5	24	1	2	24
105	AZ4208-01F	DFN1006P2X	30	9	8	1	2	8
106	AZ4212-01F	DFN1006P2X	3.6	13.7	12	1	2	12
107	AZ4212-01G	SOD123	60	13.7	12	1	2	12
108	AZ4233-01F	DFN1006P2X	13	35	33	1	2	33
109	AZ4307-01F	DFN2020P2E	1650	7.8	7	1	2	7
110	AZ4310-01F	DFN2020P2E	950	11.2	10	1	2	10
111	AZ4326-01F	DFN2020P2E	520	28.7	26	1	2	26
112	AZ4507-01F	DFN1610P2E	830	7.8	7	1	2	7
113	AZ4510-01F	DFN1610P2E	465	11.2	10	1	2	10
114	AZ4512-01F	DFN1610P2E	440	13.3	12	1	2	12
115	AZ4512-01L	SOD-323	440	13.3	12	1	2	12
116	AZ4514-01F	DFN1610P2E	340	15.5	14	1	2	14
117	AZ4516-01F	DFN1610P2E	290	18	16	1	2	16
118	AZ4520-01F	DFN1610P2E	240	22.8	20	1	2	20
119	AZ4524-01F	DFN1610P2E	210	26.7	24	1	2	24
120	AZ4528-01F	DFN1610P2E	225	31.4	28	1	2	28
121	AZ4536-01F	DFN1610P2E	160	40	36	1	2	36
122	AZ4612-01L	SOD-323	1.8	13.5	12	1	2	12
123	AZ4615-01L	SOD-323	1.8	17	15	1	2	15
124	AZ4616-01F	DFN1610P2E	1.9	18.5	16	1	2	16
125	AZ4617-01F	DFN1006P2E	0.4	18.7	17	1	2	17
126	AZ4624-01L	SOD-323	1.8	26.5	24	1	2	24
127	AZ4712-01F	DFN2020P3E	1100	13.3	12	1	3	12
128	AZ4714-01F	DFN2020P3E	950	15.5	14	1	3	14

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge I _{pp} (A)	Size (L) mm	Size (W) mm	Size (H) mm
47	43	30	30	80	16	2.70	1.60	1.15
53	50	30	30	80	13	2.70	1.60	1.15
59	56	30	30	80	15	2.70	1.60	1.15
10	9.2	30	30	80	12	1.00	0.60	0.48
17	15.5	30	30	80	45	2.70	1.60	1.15
21	21.5	30	30	80	6	1.00	0.60	0.48
29	N/A	30	30	80	4.5	1.00	0.60	0.48
30	32	30	30	80	6.5	1.00	0.60	0.50
15	14	30	30	60	5	1.00	0.60	0.48
18	N/A	16	16	40	N/A	1.00	0.60	0.48
17	16.5	30	30	80	25	2.70	1.60	1.15
70	N/A	15	15	40	N/A	1.00	0.60	0.48
9.5	8	30	30	80	180	2.00	2.00	0.50
13	N/A	30	30	80	150	2.00	2.00	0.50
31.8	N/A	30	30	N/A	46	2.00	2.00	0.50
10	8.5	30	30	80	100	1.60	1.00	0.50
13	N/A	30	30	80	80	1.60	1.00	0.50
15	14.5	30	30	80	38	1.60	1.00	0.50
15	14.5	30	30	80	38	1.70	1.30	0.90
18	17.5	30	30	80	32	1.60	1.00	0.50
20.5	N/A	30	30	80	60	1.60	1.00	0.50
25.5	25.5	30	30	80	24	1.60	1.00	0.50
30	N/A	30	30	80	50	1.60	1.00	0.50
34.5	35	30	30	80	45	1.60	1.00	0.50
44	45	30	30	80	14	1.60	1.00	0.50
22	17.5	30	30	80	12	1.70	1.30	0.90
27	23	20	20	80	10	1.70	1.30	0.90
28	23	20	20	60	8	1.60	1.00	0.50
38	N/A	15	10	N/A	N/A	1.00	0.60	0.50
36	31	18	18	40	5	1.70	1.30	0.90
15	N/A	30	30	80	225	2.00	2.00	0.55
16.5	N/A	30	30	80	200	2.00	2.00	0.55

 TVS

	Part No.	Package	Capacitance (pF, Typical)	V _{SV} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
129	AZ4715-01F	DFN2020P3E	900	16.5	15	1	3	15
130	AZ4718-01F	DFN2020P3E	700	20	18	1	3	18
131	AZ4724-01F	DFN2020P3E	550	25.5	24	1	3	24
132	AZ4808-01F	DFN1006P2E	10	9	8	1	2	8
133	AZ4824-02S	SOT23-3L	38	26.2	24	2	3	24
134	AZ4836-01L	SOD-323	13	40	36	1	2	36
135	AZ4860-04F	LGA2510P10E	7.7	65	60	4	10	60
136	AZ4920-01F	DFN2018P6E	650	21.8	20	1	6	20
137	AZ4A07-01B	CSP0603P2Y	50	8	7	1	2	7
138	AZ4A12-01F	DFN0603P2Y	3.5	13.5	12	1	2	12
139	AZ4A18-01F	DFN0603P2Y	7	20	18	1	2	18
140	AZ4A20-01F	DFN0603P2Y	6.5	22.8	20	1	2	20
141	AZ4A21-01B	CSP0603P2Y	15	23.8	21	1	2	21
142	AZ4A24-01F	DFN0603P2Y	5.8	26.8	24	1	2	24
143	AZ4C36-01B	CSP0402P2U	4.3	40	36	1	2	36
144	AZ5013-01F	DFN1006P2X	55	4.5	3.3	1	2	3.3
145	AZ5013-01H	SOD-523	55	4.5	3.3	1	2	3.3
146	AZ5015-01F	DFN1006P2X	24	5.8	5	1	2	5
147	AZ5015-01H	SOD-523	24	5.8	5	1	2	5
148	AZ5123-01F	DFN1006P2X	13.5	4	3.3	1	2	3.3
149	AZ5123-01H	SOD-523	13.5	4	3.3	1	2	3.3
150	AZ5123-02F	DFN1006P3X	20	3.8	3.3	2	3	3.3
151	AZ5123-02S	SOT23-3L	11	4	3.3	2	3	3.3
152	AZ5125-01H	SOD-523	7	6	5	1	2	5
153	AZ5125-02F	DFN1006P3X	7	5.7	5	2	3	5
154	AZ5125-02S	SOT23-3L	6	5.8	5	2	3	5
155	AZ5213-02F	DFN1006P3X	0.5	5	3.3	2	3	3.3
156	AZ5215-01F	DFN1006P2E	0.8	6	5	1	2	5
157	AZ522S-01F	DFN1006P2E	0.2	5.5	2	1	2	2
158	AZ5313-02F	DFN1006P3X	0.35	4.5	3.3	2	3	3.3
159	AZ5323-01F	DFN1006P2E	0.45	4.5	3.3	1	2	3.3
160	AZ5325-01F	DFN1006P2E	0.5	7	5	1	2	5

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge I _{pp} (A)	Size (L) mm	Size (W) mm	Size (H) mm
18	17	30	30	80	170	2.00	2.00	0.55
22	22	30	30	80	138	2.00	2.00	0.55
28	28	30	30	80	125	2.00	2.00	0.55
11.5	11	25	25	80	7.5	1.00	0.60	0.50
32	32	30	30	80	6.5	2.90	1.30	1.02
47	N/A	25	25	60	2	1.70	1.30	0.90
90	N/A	30	30	50	4	2.50	1.00	0.50
23.5	24	30	30	80	140	2.00	1.80	0.55
13.5	11	30	30	80	7	0.60	0.30	0.28
18	N/A	20	20	50	3	0.60	0.30	0.30
32	N/A	20	20	50	N/A	0.60	0.30	0.30
34	N/A	20	20	50	N/A	0.60	0.30	0.30
30	N/A	30	30	80	2.5	0.60	0.30	0.28
48	N/A	20	18	40	N/A	0.60	0.30	0.30
66	N/A	15	12	30	N/A	0.44	0.24	0.17
6.5	N/A	30	30	80	4	1.00	0.60	0.48
7	N/A	30	30	80	4	1.20	0.80	0.64
7	N/A	30	30	80	N/A	1.00	0.60	0.48
8	N/A	30	30	80	N/A	1.20	0.80	0.64
7	6.5	16	16	50	5	1.00	0.60	0.48
7.5	N/A	16	16	50	4.5	1.20	0.80	0.64
6.5	7	30	30	80	8	1.00	0.60	0.45
8.5	N/A	15	15	40	4	2.90	1.30	1.02
10	N/A	20	15	50	N/A	1.20	0.80	0.64
11	N/A	15	15	50	N/A	1.00	0.60	0.45
11.5	N/A	15	15	40	N/A	2.90	1.30	1.02
9	5.7	15	15	N/A	5.5	1.00	0.60	0.45
12	N/A	15	10	N/A	7.5	1.00	0.60	0.50
6.5	4	15	12	N/A	6.5	1.00	0.60	0.50
9.5	N/A	15	10	N/A	3.5	1.00	0.60	0.45
12	N/A	17	15	N/A	4	1.00	0.60	0.50
25	N/A	15	8	N/A	N/A	1.00	0.60	0.50

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	Part No.	Package	Capacitance (pF, Typical)	V _{SV} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
161	AZ5413-01F	DFN1006P2E	0.75	5	3.3	1	2	3.3
162	AZ5423-01F	DFN1006P2E	0.85	4.5	3.3	1	2	3.3
163	AZ5425-01F	DFN1006P2E	0.8	7	5	1	2	5
164	AZ5425-04F	DFN2510P10E	0.4	5.8	5	4	10	5
165	AZ5515-02F	DFN1006P3X	0.8	6	5	2	3	5
166	AZ5525-01F	DFN1006P2X	27	5.6	5	1	2	5
167	AZ5725-01F	DFN1006P2X	8	5.8	5	1	2	5
168	AZ5815-01F	DFN1006P2E	85	6.2	5.5	1	2	5.5
169	AZ5825-01F	DFN1006P2E	30	6	5	1	2	5
170	AZ5845-01F	DFN1006P2X	80	4.7	4.5	1	2	4.5
171	AZ5883-01F	DFN1006P2E	70	4.5	3.3	1	2	3.3
172	AZ5925-01H	SOD-523	27	5.6	5	1	2	5
173	AZ5946-02F	DFN1006P3X	35	6.6	6.3	2	3	6.3
174	AZ5A16-01M	MCSP0603P2YS	110	7	6	1	2	6
175	AZ5A23-01F	DFN0603P2Y	11	3.8	3.3	1	2	3.3
176	AZ5A25-02R	SOT523-3L	5.5	5.6	5	2	3	5
177	AZ5A75-01F	DFN0603P2Y	5.5	5.6	5	1	2	5
178	AZ5A83-01B	CSP0603P2Y	52.5	4	3.3	1	2	3.3
179	AZ5A85-01B	CSP0603P2Y	31	6	5	1	2	5
180	AZ5B0S-01F	DFN0603P2Y	0.18	5.5	2	1	2	2
181	AZ5B6S-01F	DFN0603P2Y	0.3	6	5	1	2	5
182	AZ5B6S-01B	CSP0603P2Y	0.1	4.5	1.5	1	2	1.5
183	AZ5B7S-01B	CSP0603P2Y	0.1	6	5	1	2	5
184	AZ5B8S-01B	CSP0603P2Y	0.5	6	5	1	2	5
185	AZ5B8S-01F	DFN0603P2Y	0.18	4	1.5	1	2	1.5
186	AZ5B9S-01F	DFN0603P2Y	0.18	4	1.5	1	2	1.5
187	AZ5C23-01B	CSP0402P2U	7	4	3.3	1	2	3.3
188	AZ5C25-01B	CSP0402P2U	14	6	5	1	2	5
189	AZ5H33-01F	DFN1006P2E	0.85	16	3.3	1	2	3.3
190	AZ6112-01F	DFN1006P2E	13.5	11	1.2	1	2	1.2
191	AZ6118-01F	DFN1006P2X	40	2.2	1.8	1	2	1.8
192	AZ6121-01F	DFN1006P2Z	36	2.2	2.1	1	2	2.1

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge I _{PP} (A)	Size (L) mm	Size (W) mm	Size (H) mm
8.5	5.6	20	20	50	7.5	1.00	0.60	0.50
14	10	15	13	N/A	5.5	1.00	0.60	0.50
24	N/A	15	8	N/A	N/A	1.00	0.60	0.50
11	N/A	15	15	40	5	2.50	1.00	0.50
10	7	22	22	80	11	1.00	0.60	0.45
10	9	30	30	80	8.5	1.00	0.60	0.48
10	N/A	15	15	50	N/A	1.00	0.60	0.48
6.0	5.5	30	30	80	40	1.00	0.60	0.50
6.5	7	30	30	80	18	1.00	0.60	0.50
6.5	5.8	30	30	80	55	1.00	0.60	0.48
5	4.5	30	30	80	42	1.00	0.60	0.50
9.5	9	30	30	80	12	1.20	0.80	0.64
9	8.4	30	30	80	20	1.00	0.60	0.45
9	8.5	30	30	80	20	0.63	0.33	0.25
8	N/A	20	20	50	5	0.60	0.30	0.30
13	N/A	15	15	40	N/A	1.60	0.80	0.80
12	N/A	17	15	40	N/A	0.60	0.30	0.30
5	4.5	25	25	80	16	0.60	0.30	0.28
6	6	25	25	80	16	0.60	0.30	0.28
5.5	3.1	15	12	N/A	7	0.60	0.30	0.30
20	11	15	15	N/A	5	0.60	0.30	0.30
14	N/A	15	8	20	N/A	0.60	0.30	0.28
18	N/A	15	8	N/A	N/A	0.60	0.30	0.28
11	N/A	16	16	N/A	4	0.60	0.30	0.28
5.5	N/A	15	12	N/A	4	0.60	0.30	0.30
4.6	N/A	15	13	N/A	4	0.60	0.30	0.30
5.8	N/A	18	18	50	N/A	0.44	0.24	0.17
6	5.6	16	13	50	10	0.44	0.24	0.17
15	13.5	20	20	80	13	1.00	0.60	0.50
5	3.5	15	15	80	12	1.00	0.60	0.50
4.5	4.2	30	30	80	15	1.00	0.60	0.48
4.4	3.3	30	30	80	13	1.00	0.60	0.40

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	Part No.	Package	Capacitance (pF, Typical)	V _{SV} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
193	AZ6225-01F	DFN1006P2E	62.5	3.5	2.5	1	2	2.5
194	AZ6425-01F	DFN1610P2E	355	3.5	2.5	1	2	2.5
195	AZ6425-01G	SOD123	350	3.5	2.5	1	2	2.5
196	AZ6518-01F	DFN1610P2E	160	2.2	1.8	1	2	1.8
197	AZ6A21-01M	MCSP0603P2YS	105	2.2	2.1	1	2	2.1
198	AZ6A25-01B	CSP0603P2Y	75	3.5	2.5	1	2	2.5
199	AZC002-02N	SOT143-4L	1.2	6.2	5	2	4	5
200	AZC002-04S	SOT23-6L	1.2	6.2	5	4	6	5
201	AZC015-04C	SC70-6L	1.3	6	5	4	6	5
202	AZC015-04F	QFN1616P6E	1.3	6	5	4	6	5
203	AZC099-04S	SOT23-6L	1.0	6.2	5	4	6	5
204	AZC199-02S	SOT23-3L	1.6	7	5	2	3	5
205	AZC199-04C	SC70-6L	1	6	5	4	6	5
206	AZC199-04S	SOT23-6L	1	6	5	4	6	5
207	AZC299-02R	SOT-563	2	6	5	2	6	5
208	AZC299-02S	SOT23-6L	2.1	6	5	2	6	5
209	AZC398-04C	SC70-5L	1.9	6	5	4	5	5
210	AZC398-08F	DFN3810P9E	1	4.5	3.3	8	9	3.3
211	AZC399-04C	SC70-6L	1.4	6	5	4	6	5
212	AZC399-04S	SOT23-6L	1.4	6	5	4	6	5
213	AZC615-04S	SOT23-6L	1.8	6	5	4	6	5

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge I _{PP} (A)	Size (L) mm	Size (W) mm	Size (H) mm
5	4	30	30	80	20	1.00	0.60	0.50
4	3	30	30	80	80	1.60	1.00	0.50
4.7	3.5	30	30	80	60	2.70	1.60	1.15
3.6	3.0	30	30	80	65	1.60	1.00	0.50
4.4	3.5	30	30	80	22	0.63	0.33	0.25
4.5	4	30	30	80	16	0.60	0.30	0.28
13	8.1	17	12	20	6	2.92	1.30	1.06
13	8.1	17	12	20	6	2.92	1.60	1.45
12.5	8.1	18	14	20	6.5	2.05	1.25	1.00
12.5	8.1	21	14	20	6.5	1.60	1.60	0.55
11.5	9	15	15	40	5.5	2.92	1.60	1.25
11	8.5	16	16	55	5	2.90	1.30	1.02
11	8.5	15	15	50	5	2.05	1.25	1.00
11	8.5	27	16	55	6	2.92	1.60	1.45
9.5	7.8	15	15	60	6	1.60	1.20	0.56
10.5	7.5	16	16	60	7	2.92	1.60	1.45
10	8	26	16	60	8.5	2.05	1.25	1.00
8.5	6.5	26	18	60	8.5	3.80	1.00	0.50
11	7.5	26	16	60	8.5	2.05	1.25	1.00
11	7.5	27	17	60	10	2.92	1.60	1.45
8	7	30	30	70	10	2.92	1.60	1.25

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	Part No.	Package	Capacitance (pF, Typical)	V _{SW} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
1	AZ9113-04S	SOT23-6L	2.1	4.5	3.3	4	6	3.3
2	AZ9115-04S	SOT23-6L	2	6	5	4	6	5
3	AZ9143-04F	DFN2510P10E	0.45	4.5	3.3	4	10	3.3
4	AZ9143-08F	DFN3810P9E	0.5	4.5	3.3	8	9	3.3
5	AZ9153-04S	SOT23-6L	2.1	4.5	3.3	4	6	3.3
6	AZ9173-04F	DFN1308P5Z	0.4	5	3.3	4	5	3.3
7	AZ9305-01G	SOD123	1500	6	5	1	2	5
8	AZ9313-01F	DFN1610P2E	460	4	3.3	1	2	3.3
9	AZ9315-01F	DFN1610P2E	250	6	5	1	2	5
10	AZ9407-01H	SOD-523	60	8	7	1	2	7
11	AZ9408-01G	SOD123	900	9	8	1	2	8
12	AZ9412-01G	SOD123	780	13.5	12	1	2	12
13	AZ9412-01H	SOD-523	40	13.5	12	1	2	12
14	AZ9415-01G	SOD123	600	16.7	15	1	2	15
15	AZ9424-01F	DFN1006P2X	42	27	24	1	2	24
16	AZ9424-01G	SOD123	455	26.7	24	1	2	24
17	AZ9424-01H	SOD-523	60	26.7	24	1	2	24
18	AZ9424-02S	SOT23-3L	38	26.2	24	2	3	24
19	AZ9436-01G	SOD123	420	40	36	1	2	36
20	AZ9513-01F	DFN1006P2X	55	4.5	3.3	1	2	3.3
21	AZ9515-02F	DFN1006P3X	0.8	6	5	2	3	5
22	AZ9523-01F	DFN1006P2X	15	4	3.3	1	2	3.3
23	AZ9523-01H	SOD-523	15	4	3.3	1	2	3.3
24	AZ9525-01H	SOD-523	7.5	5.6	5	1	2	5
25	AZ9565-01F	DFN1006P2E	0.45	7	5	1	2	5
26	AZ9568-01F	DFN1006P2E	0.4	10	8	1	2	8
27	AZ9585-01F	DFN1006P2E	28	6	5	1	2	5
28	AZ9625-01F	DFN1006P2E	63	3.5	2.5	1	2	2.5
29	AZ9707-01F	DFN1610P2E	850	7.8	7	1	2	7
30	AZ9710-01F	DFN1610P2E	480	11.2	10	1	2	10
31	AZ9712-01F	DFN1610P2E	550	13.3	12	1	2	12
32	AZ9716-01F	DFN1610P2E	300	18	16	1	2	16

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	Surge I _{PP} (A)	Size (L) mm	Size (W) mm	Size (H) mm
7.5	8.5	30	30	16	2.92	1.60	1.45
9	9.5	30	30	15	2.92	1.60	1.45
9	6.6	15	15	5	2.50	1.00	0.50
9	N/A	15	12	N/A	3.80	1.00	0.50
7.5	6	30	30	15	2.90	1.60	1.25
11	N/A	15	10	3	1.30	0.80	0.40
8.5	7.5	30	30	55	2.70	1.60	1.15
4.8	5.4	30	30	70	1.60	1.00	0.50
6	6.5	30	30	60	1.60	1.00	0.50
13.5	N/A	30	30	N/A	1.20	0.80	0.64
11.5	10.5	30	30	50	2.70	1.60	1.15
16.5	15.5	30	30	35	2.70	1.60	1.15
20	N/A	18	18	N/A	1.20	0.80	0.64
19	18	30	30	30	2.70	1.60	1.15
42	N/A	30	30	N/A	1.00	0.60	0.48
31	30	30	30	20	2.70	1.60	1.15
39	N/A	30	30	N/A	1.20	0.80	0.64
31	31	30	30	6	2.90	1.30	1.02
47	43	30	30	12	2.70	1.60	1.15
6	N/A	30	30	N/A	1.00	0.60	0.48
10.7	7.5	18	18	7.5	1.00	0.60	0.48
7	N/A	16	16	N/A	1.00	0.60	0.48
8	N/A	18	18	4	1.20	0.80	0.64
11	N/A	18	18	N/A	1.20	0.80	0.64
20	N/A	15	12	N/A	1.00	0.60	0.50
20	16	30	30	5	1.00	0.60	0.50
6.5	6	25	25	15	1.00	0.60	0.50
5	4.3	30	30	20	1.00	0.60	0.50
9.0	8.5	30	30	45	1.60	1.00	0.50
12.7	12.3	30	30	32	1.60	1.00	0.50
15	14.5	30	30	25	1.60	1.00	0.50
20	20	30	30	20	1.60	1.00	0.50

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	Part No.	Package	Capacitance (pF, Typical)	V _{SW} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
33	AZ9720-01F	DFN1610P2E	250	22.8	20	1	2	20
34	AZ9724-01F	DFN1610P2E	210	26.7	24	1	2	24
35	AZ9736-01F	DFN1610P2E	160	40	36	1	2	36
36	AZ9808-01F	DFN1006P2X	28	9	8	1	2	8
37	AZ9812-01F	DFN1006P2X	3.5	13.5	12	1	2	12
38	AZ9812-01L	SOD-323	2	13.5	12	1	2	12
39	AZ9817-01F	DFN1006P2E	0.4	18.7	17	1	2	17
40	AZ9824-01L	SOD-323	55	25.5	24	1	2	24
41	AZ9C39-02S	SOT23-3L	2	6	5	2	3	5
42	AZ9C39-04S	SOT23-6L	1.3	6	5	4	6	5
43	AZ9C98-08F	DFN3810P9E	1	4.5	3.3	8	9	3.3

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	Surge I _{PP} (A)	Size (L) mm	Size (W) mm	Size (H) mm
25.5	24.5	30	30	18	1.60	1.00	0.50
31	30	30	30	16	1.60	1.00	0.50
44	44	30	30	11	1.60	1.00	0.50
15.5	N/A	30	30	N/A	1.00	0.60	0.48
17	N/A	16	16	N/A	1.00	0.60	0.48
22	18	30	24	7	1.70	1.30	0.90
38	N/A	15	10	N/A	1.00	0.60	0.50
31	29	30	30	8	1.70	1.30	0.90
10.5	7.7	17	17	6.5	2.90	1.30	1.03
10	7.5	18	18	6.5	2.90	1.60	1.25
8	6.5	16	16	6.5	3.80	1.00	0.50

⚡ Transceiver

Interface	Part No.	Package	Supply Voltage	Half/Full Duplex	Data Rate (bps)
CAN	AZKN1040T	SO-8	5V	Half	5M
	AZKN1044T	SO-8	5V	Half	5M
RS485	AZRS3072	SO-8	3.3V	Half	250k
	AZRS3076	SO-8	3.3V	Half	16M
	AZRS3078	SO-8	3.3V	Half	16M
	AZRS3080E	SO-8	5V	Half	10M
	AZRS3082	SO-8	5V	Half	115k
	AZRS485E	SO-8	5V	Half	10M
	AZRS485N	SO-8	5V	Half	10M
	AZRS5485E	SO-8	5V	Half	10M
	AZRS5485N	SO-8	5V	Half	10M
	AZRS6534	SO-8	5V	Half	8M
	AZRS6605	SO-8	5V	Half	1M

Transceivers on Bus	Receiver Fail-Safe	Surge Robustness	ESD Contact	Feature Highlight
N/A	N/A	N/A	12kV	Standby Mode
N/A	N/A	100V (2ohm)	15kV	Standby Mode
256	Yes	N/A	15kV	ESD RS485
256	Yes	N/A	15K	Low Power, High Speed
256	Yes	N/A	15kV	ESD RS485
256	Yes	N/A	15kV	VOD2 Enhanced
256	Yes	30A	30kV	Surge RS485
256	Yes	N/A	15kV	VOD2 Enhanced
256	Yes	N/A	15kV	Polarity Free
256	Yes	N/A	15kV	Polarity Free
256	Yes	30A	30kV	Surge RS485
256	Yes	N/A	9kV	ESD RS485



Reliability	Part No	Package	S ₂₁ Initial Drop (dB)	-3 dB Cutoff Freq.	C _{line} (pF) @ 0V (typical)	V _{IS} (V)	V _{RWM} (Reverse Stand-off Voltage)	Channel #
JEDEC	AZ/MHCD06-06F	DFN25135P12E	-6	110MHz	41.5	7.5	5	6

Pins	Pin Pitch (mm)	Max Operation Voltage (V)	ESD Clamping Voltage (V)	ESD Air (kV)	ESD Contact (kV)	Size (L) mm	Size (W) mm	Size (H) mm
12	0.4	5.5	9	18	18	2.50	1.35	0.50

TVS Solutions for NB/MB



USB

USB4 Tx/Rx
AZ5B8S-01F
AZ5B9S-01F
AZ5B0S-01F
AZ5B7S-01B

USB 3.0/3.1
AZ176S-04F
AZ1123-04F
AZ1143-04F
AZ1243-04F
AZ1045-04F

USB D+/D-
AZ1243-04F
AZ1045-04F
AZC199-04S
AZC399-04S
AZ1515-04S
AZ1575-04S
AZ5515-02F
AZ5B8S-01B
AZ5413-01F
AZ5325-01F

USB Type-C CC/SBU
AZ1045-04F
AZC199-04S
AZ5515-02F



HDMI

HDMI 2.1 TMDS
AZ1023-04F
AZ1123-04F

HDMI 1.4/2.0 TMDS

AZ1023-04F
AZ1123-04F
AZ1143-04F
AZ1243-04F
AZ1045-04F

HDMI Low Speed Signals
AZC199-04S
AZ1045-04F



DisplayPort

DP 2.0 TMDS
AZ5B0S-01F
AZ5515-02F
DP 1.2/1.4 TMDS
AZ1023-04F



VGA

AZC199-04S
AZC399-04S
AZ1575-04S



LAN

LAN 100M/1G Surge L-L
AZ3125-08F
AZ3133-08F
AZ1613-01L

LAN 100M/1G Surge L-G
AZ1513-04S
AZC399-04S
AZ1575-04S

LAN 2.5G/5G Surge L-L
AZ1613-01L

LAN 2.5G/5G Surge L-G
AZ1243-04F
AZ1513-04S



Speaker/Mic/ Audio/Detect

AZ5123-02S
AZ5125-02S
AZ5883-01F
AZ2025-02S
AZ5125-02S
AZ5725-01F
AZ5825-01F
AZ5925-01H



Power

AZ5725-01F
AZ5925-01H
AZ4012-01G
AZ4020-01G
AZ4520-01F
AZ4920-01F
AZ4024-01F
AZ4528-01F

Charge Pump
AZ4A12-01F
AZ4212-01F
AZ4A20-01F

TVS Solutions for Networking/STB



USB

USB 3.0/3.1
AZ176S-04F
AZ1023-04F
AZ1123-04F
AZ1143-04F
AZ1045-04F

USB D+/D-
AZ1045-04F
AZ1575-04S
AZ1045-02F
AZ5515-02F
AZC199-02S
AZ5413-01F
AZ5325-01F

USB Type-C CC/SBU
AZ1045-04F
AZ5515-02F



HDMI

HDMI 2.1 TMDS
AZ1023-04F
AZ1123-04F



LAN

LAN 100M/1G Surge L-L
AZ3125-08F
AZ3133-08F
AZC199-04S
AZ1603-02S
AZ5413-01F
AZ1613-01L

LAN 100M/1G Surge L-G
AZ1513-04S
AZ1515-04S

LAN 2.5G/5G/10G
Surge
AZ5B0S-01F
AZ5225-01F
AZ1243-04F



DisplayPort

DP Low Speed Signals
AZC199-04S
AZ5725-01F



SIM Card

AZC199-04S
AZ1575-04S



Speaker/Mic/ Audio/GPIO

AZ5725-01F
AZ5825-01F



AHD/TVI/CVI/CVBS

AZ1613-01L



Power

AZ6225-01F
AZ6425-01F
AZ5123-01H
AZ3105-01F
AZ5125-01H
AZ5725-01F
AZ5825-01F
AZ4212-01F
AZ4512-01F
AZ4520-01F



LED

AZ5123-01F
AZ5883-01F

TVS Solutions for Fingerprint



SPI

AZ5A23-01F
AZ5A83-01B
AZ5C23-01B



Detect

AZ5B65-01F



Power

AZ5A23-01F
AZ5A83-01B
AZ5C23-01B
AZ5A75-01F
AZ5A85-01B
AZ5C25-01B

TVS Solutions for PND/GPS



eDP/MIPI/LVDS/ Mini-LVDS

AZ1023-04F
AZ1043-04F
AZ1123-04F



Antenna GPS

AZ5325-01F
AZ5B85-01B



USB D+/D-

AZC099-04S
AZC399-04S
AZ1575-04S



JTAG

AZC099-04S
AZC399-04S
AZ1575-04S



I²C

AZ5015-01F
AZ5525-01F



Button 5V

AZ5525-01F
AZ5825-01F

⚡ TVS Solutions for TV/Monitor

- USB**
 - USB4 Tx/Rx
AZ5B0S-01F
 - USB 3.0/3.1
AZ104S-04F
AZ106S-06F
AZ136S-06F
 - USB D+/D-
AZ151S-04S
AZC199-04S
AZC399-04S
AZ157S-04S
AZC199-02S
AZ104S-02F
AZ5A13-01F
AZ532S-01F
- Speaker/Mic/Audio**
AZ572S-01F
- HDMI**
 - HDMI 2.1 TMDS
AZ1023-04F
AZ1123-04F
AZ1023-02F
 - HDMI 1.4/2.0 TMDS
AZ1123-04F
AZ1143-04F
AZ1243-04F
AZ104S-04F
AZ134S-04F
 - HDMI Low Speed Signals
AZC199-04S
AZ157S-04S
AZ572S-01F
AZ582S-01F
- DisplayPort**
 - DP 2.0 TMDS
AZ1123-04F
 - DP Low Speed Signals
AZ157S-04S
AZC199-04S
AZ572S-01F
AZ582S-01F
- LAN**
 - LAN 100M/1G Surge L-G
AZ1513-04S
AZ157S-04S
AZC199-04S
 - LAN 100M/1G Surge L-L
AZ3133-04F
AZ1613-01L
- Power**
 - AZ6118-01F
AZ6518-01F
AZ622S-01F
AZ3103-01F
AZ5883-01F
AZ310S-01F
AZ320S-01F
AZ582S-01F
AZ4012-01G
AZ4520-01F
AZ4024-01G
- Button**
AZ5013-01H
AZ5123-01H
AZ512S-01H

⚡ TVS Solutions for Automotive

- Antenna**
 - GPS Antenna
AZ9817-01F
 - Bluetooth/Wi-Fi Antenna
AZ956S-01F
AZ9568-01F
- eDP/MIPI/LVDS/Mini-LVDS**
AZ9143-08F
AZ9143-04F
- Automotive Ethernet**
AZ9515-02F
- CAN Bus**
AZ9424-02S
- LIN Bus**
AZ9824-01L
AZ9824-01F
- SD Card**
AZ9143-04F
- UART**
AZ956S-01F
- DisplayPort**
 - DP Low Speed Signals
AZ9115-04S
AZ9C39-04S
- Speaker/Mic/Audio**
AZ9523-01F
AZ958S-01F
AZ952S-01H
- Camera**
AZ9523-01F
AZ9808-01F
- GPIO**
AZ9515-02F
AZ9424-01H
AZ9424-01F
- LED**
AZ958S-01F
AZ9736-01F
- Power**
 - AZ9313-01F
AZ9523-01F
AZ980S-01G
AZ9315-01F
AZ952S-01H
AZ958S-01F
AZ962S-01F
AZ9412-01H
AZ9412-01G
AZ9712-01F
AZ9812-01F
AZ9812-01L
AZ9720-01F
AZ9424-01F
AZ9424-01H
AZ9424-01G
AZ9724-01F
AZ9824-01F
- Button 5V**
AZ952S-01H

⚡ TVS Solutions for Industrial/DVR/POS

- Bluetooth/Wi-Fi Antenna**
AZ5215-01F
AZ532S-01F
AZ4617-01F
- USB**
 - USB4 Tx/Rx
AZ5B0S-01F
 - USB 3.0/3.1
AZ136S-06F
AZ176S-04F
AZ1123-04F
AZ1143-04F
AZ104S-04F
 - USB D+/D-
AZC199-04S
AZC399-04S
AZ151S-04S
AZ157S-04S
AZ521S-01F
AZ532S-01F
AZ5413-01F
 - USB Type-C CC/SBU
AZ104S-04F
AZ5515-02F
AZ5B6S-01F
- DisplayPort**
 - DP 1.2/1.4 TMDS
AZ1023-04F
AZ1123-04F
AZ1143-04F
 - DP Low Speed Signals
AZC199-04S
AZC399-04S
AZ157S-04S
- VGA**
AZC199-04S
AZ151S-04S
AZ157S-04S
- LAN**
 - LAN 100M/1G Surge L-L
AZ312S-08F
AZ3133-08F
AZ1613-01L
AZ161S-01L
 - LAN 100M/1G ESD (only)
AZC199-04S
 - LAN 100M/1G Surge L-G
AZ1213-04F
AZ1513-04S
AZ151S-04S
AZ157S-04S
- HDMI**
 - HDMI 2.1 TMDS
AZ1023-04F
AZ1123-04F
 - HDMI 1.4/2.0 TMDS
AZ1043-04F
- LAN 2.5G/5G/10G Surge**
AZ5B0S-01F
AZ522S-01F
AZ1603-02S
AZ1603-01L
AZ1613-01L
AZ1243-04F
- Speaker/Mic/Audio**
AZ572S-01F
AZ582S-01F
- Button**
AZ3103-01F
AZ5123-01F
AZ5123-01H
AZ512S-01H
AZ572S-01F
- Power**
AZ622S-01F
AZ642S-01F
AZ3003-01G
AZ582S-01F
AZ310S-01F
AZ300S-01G
AZ161S-01L
AZ4507-01F
AZ4010-01G
AZ4012-01G
AZ4512-01F
AZ4712-01F
AZ4015-01G
AZ4115-01F
AZ4018-01G
AZ4520-01F
AZ4024-01G
AZ4024-01H
AZ4024-01L
AZ4030-01G
AZ4036-01G
- Low Speed Data/GPIO/SPI**
AZ512S-02F
AZ5123-01F
AZ5883-01F
AZ5013-01H
AZ1603-01L
AZ1613-01L
AZ512S-01H
AZ161S-01L
AZ221S-01L
- RS232**
AZ4212-01G
AZ4212-01F
AZ4615-01L
AZ4616-01F
- RS485**
AZ4212-01G
AZ4212-01F
- SD Card**
AZC199-04S
AZ157S-04S
AZ5515-02F
AZ532S-01F

⚡ TVS Solutions for Mobile

- USB**
 - USB 3.0/3.1
AZ5B8S-01F
AZ5B0S-01F
 - USB D+/D-
AZ5515-02F
AZ5413-01F
AZ5B8S-01B
AZ5H33-01F
- USB Type-C CC/SBU**
AZ5515-02F
AZ5B8S-01B
- Speaker/Mic/Audio**
AZ582S-01F
AZ584S-01F
AZ4208-01F
AZ4A12-01F
- Button**
AZ5A23-01F
AZ5A7S-01F
- GPIO**
AZ5A23-01F
AZ5A7S-01F
- Power**
AZ4712-01F
AZ4715-01F
AZ4718-01F
AZ4724-01F
- Battery**
AZ350S-01F

⚡ TVS Solutions for 3C Peripheral

Bluetooth/Wi-Fi Antenna AZ5325-01F AZ5B65-01F AZ5B85-01B	HDMI HDMI 2.1 TMDS AZ1023-04F AZ1123-04F HDMI 1.4/2.0 TMDS AZ1043-08F AZ1143-04F AZ1243-04F AZ1045-04F HDMI Low Speed Signals AZC199-04S AZ5515-02F DisplayPort DP 1.2/1.4 TMDS AZ1765-04F AZ1045-04F DP Low Speed Signals AZC199-04S AZ5515-02F VGA AZC199-04S SD Card AZ1045-02F	LAN LAN 100M/1G Surge L-G AZ1515-04S AZ1575-04S LAN 100M/1G Surge L-L AZ3125-08F AZ3133-08F AZ1613-01L Speaker/Mic/Audio AZ5A83-01B AZ5125-01H AZ5123-01H AZ5825-01F AZ5885-01F AZ5A75-01F AZ5A85-01B I²C/SPI AZ5883-01F AZ5A83-01B LED AZ5725-01F AZ5825-01F AZ5885-01F	Power AZ6A25-01B AZ5883-01F AZ5A23-01F AZ5A75-01F AZ5A83-01B AZ5125-01H AZ5725-01F AZ5A85-01B AZ5825-01F AZ5885-01F AZ4107-01F AZ4520-01F AZ4920-01F AZ4024-01G AZ4524-01F AZ4724-01F Button AZ5123-01H AZ5125-01H AZ5825-01F AZ5885-01F AZ5A75-01F AZ5A85-01B
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⚡ TVS Solutions for Storage

PCIE NVMe Signals AZ1143-04F AZ1243-04F	M.2 PCIE Signals AZ5B95-01F SATA2/SATA3 Signals AZ1143-04F AZ1243-04F	Power AZ1613-01L AZ5123-01H AZ5A83-01B AZ5125-01H AZ5725-01F AZ5825-01F
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⚡ TVS Solutions for Battery Pack

Low Speed Data AZ5125-02F AZ5A75-01F AZ5725-01F	Power AZ5525-01F AZ5725-01F AZ5825-01F AZ4018-01G	AZ4120-01F AZ4520-01F AZ4024-01L AZ4524-01F
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⚡ TVS Solutions for LCM (Panel)

V-by-One AZ1115-08F AZ1023-04F AZ1043-08F AZ1123-04F	I²C/SPI/TP AZ5125-02F GOA/GOP AZ4860-04F Power AZ6118-01F AZ6518-01F AZ6225-01F AZ6425-01F AZ3003-01G AZ3103-01F AZ5123-01F AZ5883-01F AZ5A23-01F AZ5A83-01B AZ3005-01G AZ3105-01F AZ5815-01F AZ5825-01F	AZ5A75-01F AZ5A85-01B AZ4012-01F AZ4512-01F AZ4A12-01F VSP/VSN AZ5946-02F AZ4107-01F AZ4008-01F AZ4012-01F AZ4512-01F AZ4020-01G AVDD AZ4008-01F AZ4008-01G AZ4808-01F AZ4012-01F VGH/VGL AZ4018-01G AZ4617-01F AZ4036-01G	Backlight Power AZ4520-01F AZ4030-01G AZ4233-01F AZ4036-01G for Automotive AZ9143-08F AZ9143-04F AZ9113-04S AZ9523-01F AZ9305-01G AZ9315-01F AZ9515-02F AZ9565-01F AZ9585-01F AZ9408-01G AZ9808-01F AZ9412-01G AZ9817-01F AZ9424-01G AZ9436-01G
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⚡ Field Applications of Transceiver IC

Industrial Out-Plant, Medical and Industrial Control System High Surge, Slew Rate Limited RS485 AZRS3082 High Surge, 8 Mbps Data Rate RS485 AZRS6534 3.3V, Extra High Data Rate RS485 AZRS3078 CAN Bus Transceiver AZKN1040T AZKN6125P High Temperature AZRS6606	Monitoring System Networks and IPC 3.3V, Extra High Data Rate RS485 AZRS3076 3.3V, Low Power Shutdown RS485 AZRS3078 3.3V, Slew Rate Limited RS485 AZRS3082 General RS485 AZRS3080E AZRS6605 CAN Bus Transceiver AZKN1040T AZKN1044T	Automotive Electronics (AEC-Q100 Qualified) CAN Bus AZKN1044T AZKN9125P
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Building Automation Networks

VOD2 Enhanced RS485
 AZRS485E
 Polarity Free RS485
 AZRS485N
 AZRS5485N
 CAN Bus Transceiver
 AZKN1040T
 AZKN6125P



有研發才有品牌 有可靠的產品才有客戶的品牌忠誠度

半導體技術的進步，讓人手一支手持式裝置，這手持式裝置的功能也遠比半世紀前的電腦還要多，這兩者對可靠度的要求卻是一樣嚴格，耐溫耐壓，還可以連續接受無數次靜電的衝擊。

讓產品的可靠度表現向客戶說話，讓客戶的持續上門，認同公司，也是少數長存於市場公司的核心價值。

Reliability Builds Brand

The Moore's Law defines the progress of the semiconductor development for the past decades, it also leads the huge computers which occupy a room to become a hand held device today. Both the huge computer and small hand held device share the same standard in reliability test. Except to pass the high temperature and high pressure test, it also has to pass the ESD standard.

Many respected companies provide the quality products to customers and have these reliable products to represent their company.

Only those great companies will have customers keep knocking the door for great products. Customers recognize the companies through their products. Reliability is the key for great brand.