



Not Recommended for New Designs: EEE-FC, EEE-HA, EEE-HB, EEE-S Series Aluminum Electrolytic Capacitors

NRFND.PG25.07.20.2022

07.20.2022

About This Notice:	Several series of our legacy Aluminum Electrolytic capacitors will be phased out in favor of newer technology and more recently introduced series' of parts.
Features:	Surface Mount, -40C to 85C or -40C to 105C, 1000 or 2000 hours endurance
Effective Date:	Immediately
Affected Parts and/or Replacements:	Attached
Datasheet(s):	Attached
Notes:	Please see affected parts list for information on recommended replacement or alternative parts that Panasonic can offer.

Affected P/N	Panasonic alternative P/N
EEE-0GA101SE	#N/A
EEE-0GA101SR	#N/A
EEE-0GA101YR	#N/A
EEE-0GA221SB	#N/A
EEE-0GA221SE	#N/A
EEE-0GA221SJ	#N/A
EEE-0GA221SP	#N/A
EEE-0GA221YP	#N/A
EEE-0GA330SE	#N/A
EEE-0GA330SR	#N/A
EEE-0GA330YR	#N/A
EEE-0GA331WP	#N/A
EEE-0GA470SE	#N/A
EEE-0GA470SR	#N/A
EEE-0GA470YR	#N/A
EEE-0GA471XA	#N/A
EEE-0GA471XP	#N/A
EEE-0JA101AJ	#N/A
EEE-0JA101AP	EEE-FN1E101UP
EEE-0JA101FJ	#N/A
EEE-0JA101FP	#N/A
EEE-0JA101SE	#N/A
EEE-0JA101SJ	#N/A
EEE-0JA101SP	EEE-FN1E101UP
EEE-0JA101WJ	#N/A
EEE-0JA101WR	EEE-FN0J101R
EEE-0JA102AP	EEE-FN1A102P
EEE-0JA102BP	#N/A
EEE-0JA102J	#N/A
EEE-0JA102P	EEE-FN1A102P
EEE-0JA102UB	#N/A
EEE-0JA102UCP	#N/A
EEE-0JA102UP	EEE-FN0J102P
EEE-0JA102ZP	#N/A
EEE-0JA152P	EEE-FN0J152P

EEE-0JA152V	EEE-FN0J152V
EEE-0JA152XP	#N/A
EEE-0JA220AJ	#N/A
EEE-0JA220AR	EEE-FN0J220R
EEE-0JA220SE	#N/A
EEE-0JA220SJ	#N/A
EEE-0JA220SR	EEE-FN0J220R
EEE-0JA221WP	EEE-FN0J221P
EEE-0JA330WR	EEE-FN0J330R
EEE-0JA331AP	EEE-FK0J331AP
EEE-0JA331BP	#N/A
EEE-0JA331FJ	#N/A
EEE-0JA331P	EEE-FK0J331P
EEE-0JA331XAJ	#N/A
EEE-0JA331XAP	EEE-FN0J331XP
EEE-0JA331XFP	#N/A
EEE-0JA331XP	EEE-FN0J331XP
EEE-0JA470AJ	#N/A
EEE-0JA470AR	EEE-FN1E470R
EEE-0JA470SA	#N/A
EEE-0JA470SE	#N/A
EEE-0JA470SJ	#N/A
EEE-0JA470SR	EEE-FN1E470R
EEE-0JA470WJ	#N/A
EEE-0JA470WR	EEE-FN0J470R
EEE-0JA471B	#N/A
EEE-0JA471P	EEE-FN1A471P
EEE-1AA101AJ	#N/A
EEE-1AA101AP	EEE-FN1E101UP
EEE-1AA101SE	#N/A
EEE-1AA101SJ	#N/A
EEE-1AA101SP	EEE-FN1E101UP
EEE-1AA101WE	#N/A
EEE-1AA101WJ	#N/A
EEE-1AA101WR	EEE-FN1A101UR
EEE-1AA102BP	#N/A
EEE-1AA102J	#N/A

EEE-1AA102P	EEE-FK1A102P
EEE-1AA220SR	#N/A
EEE-1AA220WE	#N/A
EEE-1AA220WR	EEE-FN1A220R
EEE-1AA221AJ	#N/A
EEE-1AA221AP	EEE-FK1A221P
EEE-1AA221BP	#N/A
EEE-1AA221E	#N/A
EEE-1AA221FP	#N/A
EEE-1AA221J	#N/A
EEE-1AA221P	EEE-FK1A221P
EEE-1AA221XAJ	#N/A
EEE-1AA221XAP	EEE-FN1C221XP
EEE-1AA221XP	EEE-FN1C221XP
EEE-1AA330AJ	#N/A
EEE-1AA330AR	EEE-FN1E330R
EEE-1AA330SB	#N/A
EEE-1AA330SE	#N/A
EEE-1AA330SJ	#N/A
EEE-1AA330SR	EEE-FN1E330R
EEE-1AA330WJ	#N/A
EEE-1AA330WR	EEE-FN1A330R
EEE-1AA331AP	EEE-FK1A331AP
EEE-1AA331J	#N/A
EEE-1AA331P	EEE-FK1A331P
EEE-1AA331V	EEE-FK1A331V
EEE-1AA470SP	#N/A
EEE-1AA470WE	#N/A
EEE-1AA470WR	EEE-FN1E470R
EEE-1AA471AP	EEE-FK1E471AP
EEE-1AA471B	#N/A
EEE-1AA471P	EEE-FK1E471P
EEE-1AA471UP	EEE-FK1A471P
EEE-1AA471ZP	#N/A
EEE-1AA680SE	#N/A
EEE-1AA680SP	#N/A
EEE-1AA680WE	#N/A

EEE-1CA100AJ	#N/A
EEE-1CA100AR	EEE-FN1C100R
EEE-1CA100FR	#N/A
EEE-1CA100SA	EEE-FN1C100R
EEE-1CA100SB	#N/A
EEE-1CA100SE	#N/A
EEE-1CA100SJ	#N/A
EEE-1CA100SR	EEE-FN1C100R
EEE-1CA101AJ	#N/A
EEE-1CA101AP	EEE-FK1E101AP
EEE-1CA101FJ	#N/A
EEE-1CA101FP	#N/A
EEE-1CA101J	#N/A
EEE-1CA101P	EEE-FK1E101P
EEE-1CA101WB	#N/A
EEE-1CA101WE	#N/A
EEE-1CA101WJ	#N/A
EEE-1CA101WP	EEE-FN1E101UP
EEE-1CA101YP	#N/A
EEE-1CA220AA	#N/A
EEE-1CA220AB	#N/A
EEE-1CA220AJ	#N/A
EEE-1CA220AR	EEE-FN1V220R
EEE-1CA220FJ	#N/A
EEE-1CA220FR	#N/A
EEE-1CA220SA	#N/A
EEE-1CA220SE	#N/A
EEE-1CA220SJ	#N/A
EEE-1CA220SR	EEE-FN1V220R
EEE-1CA220WB	#N/A
EEE-1CA220WE	#N/A
EEE-1CA220WR	EEE-FN1C220R
EEE-1CA221FJ	#N/A
EEE-1CA221P	EEE-FN1E221P
EEE-1CA221UP	EEE-FK1C221P
EEE-1CA221XAP	EEE-FN1C221XP
EEE-1CA221XFJ	#N/A

EEE-1CA221XP	EEE-FN1C221XP
EEE-1CA330SP	#N/A
EEE-1CA330WR	EEE-FN1E330R
EEE-1CA331AP	EEE-FK1V331AP
EEE-1CA331P	EEE-FK1V331P
EEE-1CA331UP	EEE-FN1C331P
EEE-1CA470AJ	EEE-FN1V470P
EEE-1CA470AP	EEE-FN1V470P
EEE-1CA470SB	#N/A
EEE-1CA470SE	#N/A
EEE-1CA470SJ	#N/A
EEE-1CA470SP	EEE-FN1V470P
EEE-1CA470WE	#N/A
EEE-1CA470WR	EEE-FN1E470R
EEE-1CA471A	#N/A
EEE-1CA471AP	EEE-FN1V471UP
EEE-1CA471BP	#N/A
EEE-1CA471J	#N/A
EEE-1CA471P	EEE-FN1V471UP
EEE-1CA471UP	EEE-FN1C471P
EEE-1CA471UV	EEE-FN1C471V
EEE-1EA100AJ	#N/A
EEE-1EA100AR	EEE-FK1V100AR
EEE-1EA100FR	#N/A
EEE-1EA100SJ	#N/A
EEE-1EA100SR	EEE-FK1V100R
EEE-1EA100WA	#N/A
EEE-1EA100WR	EEE-FN1E100R
EEE-1EA101AP	EEE-FN1H101P
EEE-1EA101BP	#N/A
EEE-1EA101J	#N/A
EEE-1EA101P	EEE-FN1H101P
EEE-1EA101UP	EEE-FK1E101P
EEE-1EA101XAP	EEE-FN1V101XP
EEE-1EA101XP	EEE-FN1V101XP
EEE-1EA220AJ	#N/A
EEE-1EA220AP	#N/A

EEE-1EA220FJ	#N/A
EEE-1EA220SA	#N/A
EEE-1EA220SJ	#N/A
EEE-1EA220SP	#N/A
EEE-1EA220WR	EEE-FN1V220R
EEE-1EA221AP	#N/A
EEE-1EA221P	#N/A
EEE-1EA221UP	EEE-FN1E221P
EEE-1EA330AJ	#N/A
EEE-1EA330AP	EEE-FK1V330AP
EEE-1EA330SJ	#N/A
EEE-1EA330SP	EEE-FK1V330P
EEE-1EA330WR	EEE-FN1E330R
EEE-1EA331AP	EEE-FK1V331AP
EEE-1EA331BP	#N/A
EEE-1EA331P	EEE-FK1V331P
EEE-1EA331UP	EEE-FN1E331P
EEE-1EA470WAP	EEE-FN1V470P
EEE-1EA470WE	#N/A
EEE-1EA470WJ	#N/A
EEE-1EA470WP	EEE-FN1V470P
EEE-1EA470YP	#N/A
EEE-1EA471P	EEE-FN1V471UP
EEE-1EA471V	EEE-FN1V471UV
EEE-1EA4R7AR	EEE-FK1V4R7AR
EEE-1EA4R7SA	#N/A
EEE-1EA4R7SR	EEE-FK1V4R7AR
EEE-1HA010SB	#N/A
EEE-1HA010SE	#N/A
EEE-1HA010SJ	#N/A
EEE-1HA010SR	#N/A
EEE-1HA100AJ	#N/A
EEE-1HA100AP	#N/-A
EEE-1HA100SB	#N/A
EEE-1HA100SE	#N/A
EEE-1HA100SJ	#N/A
EEE-1HA100SP	EEE-FK1H100P

EEE-1HA100WE	#N/A
EEE-1HA100WR	EEE-FK1H100UR
EEE-1HA101AP	#N/A
EEE-1HA101BP	#N/A
EEE-1HA101J	#N/A
EEE-1HA101P	#N/A
EEE-1HA101UJ	#N/A
EEE-1HA101UP	EEE-FK1H101P
EEE-1HA1R0AJ	#N/A
EEE-1HA1R0AR	#N/A
EEE-1HA1R5SE	#N/A
EEE-1HA220AP	#N/A
EEE-1HA220FP	#N/A
EEE-1HA220P	#N/A
EEE-1HA220WB	#N/A
EEE-1HA220WJ	#N/A
EEE-1HA220WP	#N/-A
EEE-1HA221B	#N/A
EEE-1HA221P	EEE-FN1H221P
EEE-1HA2R2AJ	#N/A
EEE-1HA2R2AR	#N/A
EEE-1HA2R2SE	#N/A
EEE-1HA2R2SJ	#N/A
EEE-1HA2R2SR	#N/A
EEE-1HA330AP	#N/A
EEE-1HA330BP	#N/A
EEE-1HA330P	#N/A
EEE-1HA330UJ	#N/A
EEE-1HA330UP	#N/A
EEE-1HA330XAP	#N/A
EEE-1HA330XP	EEE-FK1H330XP
EEE-1HA3R3AJ	#N/A
EEE-1HA3R3AR	#N/A
EEE-1HA3R3KE	#N/A
EEE-1HA3R3KR	#N/A
EEE-1HA3R3SE	#N/A
EEE-1HA3R3SJ	#N/A

EEE-1HA3R3SR	#N/A
EEE-1HA470AP	#N/A
EEE-1HA470P	#N/A
EEE-1HA470UP	#N/A
EEE-1HA470XAP	#N/A
EEE-1HA470XP	EEE-FN1H470XP
EEE-1HA4R7AJ	#N/A
EEE-1HA4R7AR	#N/A
EEE-1HA4R7SJ	#N/A
EEE-1HA4R7SR	#N/A
EEE-1HA4R7WE	#N/A
EEE-1HA4R7WR	#N/A
EEE-1JA101EJ	#N/A
EEE-1JA101J	#N/A
EEE-1JA101P	EEE-FN1J101P
EEE-1JA101V	EEE-FN1J101V
EEE-1JA220P	#N/A
EEE-1JA220UP	#N/A
EEE-1JA330P	EEE-FN1J330P
EEE-1JA470P	#N/A
EEE-1JA470UP	EEE-FN1J470P
EEE-1VA100AJ	EEE-FK1V100R
EEE-1VA100AR	EEE-FK1V100R
EEE-1VA100FR	#N/A
EEE-1VA100KFJ	#N/A
EEE-1VA100KFR	#N/A
EEE-1VA100KR	#N/A
EEE-1VA100SB	#N/A
EEE-1VA100SE	#N/A
EEE-1VA100SJ	#N/A
EEE-1VA100SR	EEE-FK1V100R
EEE-1VA100WA	#N/A
EEE-1VA100WB	#N/A
EEE-1VA100WJ	#N/A
EEE-1VA100WR	EEE-FN1V100R
EEE-1VA101AP	#N/A
EEE-1VA101FJ	#N/A

EEE-1VA101J	#N/A
EEE-1VA101P	#N/A
EEE-1VA101UJ	#N/A
EEE-1VA101UP	EEE-FK1V101P
EEE-1VA101XAJ	#N/A
EEE-1VA101XAP	EEE-FN1V101XP
EEE-1VA101XFP	#N/A
EEE-1VA101XP	EEE-FN1V101XP
EEE-1VA150SP	#N/A
EEE-1VA220AJ	#N/A
EEE-1VA220AP	#N/A
EEE-1VA220FJ	#N/A
EEE-1VA220FP	#N/A
EEE-1VA220SE	#N/A
EEE-1VA220SJ	#N/A
EEE-1VA220SP	#N/A
EEE-1VA220WR	EEE-FN1V220R
EEE-1VA221AJ	#N/A
EEE-1VA221AP	#N/A
EEE-1VA221BP	#N/A
EEE-1VA221J	#N/A
EEE-1VA221P	#N/A
EEE-1VA221UA	#N/A
EEE-1VA221UJ	#N/A
EEE-1VA221UP	EEE-FN1V221P
EEE-1VA330AP	#N/A
EEE-1VA330P	#N/A
EEE-1VA330WP	EEE-FK1V330AP
EEE-1VA330YP	#N/A
EEE-1VA331P	EEE-FK1V331P
EEE-1VA470AP	#N/A
EEE-1VA470BP	#N/A
EEE-1VA470FJ	#N/A
EEE-1VA470FP	#N/A
EEE-1VA470P	#N/A
EEE-1VA470WB	#N/A
EEE-1VA470WP	EEE-FN1V470P

EEE-1VA4R7AJ	#N/A
EEE-1VA4R7AR	EEE-FK1V4R7AR
EEE-1VA4R7SB	#N/A
EEE-1VA4R7SE	#N/A
EEE-1VA4R7SJ	#N/A
EEE-1VA4R7SR	EEE-FK1V4R7R
EEE-2AA100P	EEE-FN2A100P
EEE-2AA100UJ	#N/A
EEE-2AA100UP	#N/A
EEE-2AA220P	#N/A
EEE-2AA220UP	EEE-FN2A220P
EEE-2AA330P	EEE-FN2A330P
EEE-2AA4R7UP	#N/A
EEE-70GA101S	#N/A
EEE-70JA101S	#N/A
EEE-70JA470S	#N/A
EEE-71AA101S	#N/A
EEE-71CA101W	#N/A
EEE-71CA101Y	#N/A
EEE-71CA470S	#N/A
EEE-H1VA470P	#N/A
EEE-P0GA101YR	#N/A
EEE-P0GA221YP	#N/A
EEE-P0JA101SP	#N/A
EEE-P0JA220SR	#N/A
EEE-P0JA470SR	#N/A
EEE-P1AA101SP	#N/A
EEE-P1CA100SR	#N/A
EEE-P1HA010SR	#N/A
EEE-P1HA2R2SR	#N/A
EEE-P1VA4R7SR	#N/A
EEE-PV0G331WP	#N/A
EEE-Q1HA010SR	#N/A
EEE-T1HA010SR	#N/A
EEE-T1VA470WP	EEE-FN1V470P
EEE-Z0GA101SR	#N/A
EEE-Z0GA221SP	#N/A

EEE-Z0GA331WP	#N/A
EEE-Z0GA470SR	#N/A
EEE-Z0JA101SP	#N/A
EEE-Z0JA102ZP	#N/A
EEE-Z0JA152XP	#N/A
EEE-Z0JA220SR	#N/A
EEE-Z0JA221WP	#N/A
EEE-Z0JA331P	#N/A
EEE-Z0JA470SR	#N/A
EEE-Z0JA470WR	#N/A
EEE-Z1AA101SP	#N/A
EEE-Z1AA471UP	#N/A
EEE-Z1CA100SR	#N/A
EEE-Z1CA101WP	#N/A
EEE-Z1CA101YP	#N/A
EEE-Z1CA220SR	#N/A
EEE-Z1CA220WR	#N/A
EEE-Z1CA221P	#N/A
EEE-Z1CA470SP	#N/A
EEE-Z1CA470WR	#N/A
EEE-Z1EA100WR	#N/A
EEE-Z1EA220SP	#N/A
EEE-Z1EA330SP	#N/A
EEE-Z1EA471P	#N/A
EEE-Z1EA4R7SR	#N/A
EEE-Z1HA010SR	#N/A
EEE-Z1HA100SP	#N/A
EEE-Z1HA2R2SR	#N/A
EEE-Z1HA3R3SR	#N/A
EEE-Z1VA100SR	#N/A
EEE-Z1VA101XP	#N/A
EEE-Z1VA220SP	#N/A
EEE-Z1VA221P	#N/A
EEE-Z1VA4R7SR	#N/A
EEE-DHA1A101P	#N/A
EEE-HA0G470R	#N/A
EEE-HA0J101AP	EEE-FN1E101UP

EEE-HA0J101FJ	#N/A
EEE-HA0J101J	#N/A
EEE-HA0J101P	EEE-FN1E101UP
EEE-HA0J101WA	#N/A
EEE-HA0J101WR	EEE-FN0J101R
EEE-HA0J102AP	EEE-FN1A102P
EEE-HA0J102P	EEE-FN1A102P
EEE-HA0J102UP	EEE-FN0J102P
EEE-HA0J152P	EEE-FN0J152P
EEE-HA0J152V	EEE-FN0J152V
EEE-HA0J220AR	EEE-FN0J220R
EEE-HA0J220J	#N/A
EEE-HA0J220R	EEE-FN0J220R
EEE-HA0J221P	#N/A
EEE-HA0J221WJ	#N/A
EEE-HA0J221WP	EEE-FN0J221P
EEE-HA0J330WR	EEE-FN0J330R
EEE-HA0J331AP	EEE-FN1C331P
EEE-HA0J331P	EEE-FN1C331P
EEE-HA0J331XJ	#N/A
EEE-HA0J331XP	EEE-FN0J331XP
EEE-HA0J470AR	EEE-FN1E470R
EEE-HA0J470FJ	#N/A
EEE-HA0J470J	#N/A
EEE-HA0J470R	EEE-FN1E470R
EEE-HA0J470WR	EEE-FN0J470R
EEE-HA0J471UP	EEE-FN1C471P
EEE-HA1A101AP	EEE-FK1E101P
EEE-HA1A101J	#N/A
EEE-HA1A101P	EEE-FK1E101P
EEE-HA1A101V	EEE-FK1E101V
EEE-HA1A101WJ	#N/A
EEE-HA1A101WP	EEE-FN1E101UP
EEE-HA1A102P	EEE-FK1A102P
EEE-HA1A151WP	#N/A
EEE-HA1A220WR	EEE-FN1A220R
EEE-HA1A221AP	EEE-FK1E221AP

EEE-HA1A221P	EEE-FK1E221P
EEE-HA1A221XJ	#N/A
EEE-HA1A221XP	EEE-FN1C221XP
EEE-HA1A330AR	EEE-FN1E330R
EEE-HA1A330J	#N/A
EEE-HA1A330R	EEE-FN1E330R
EEE-HA1A330WR	EEE-FN1A330R
EEE-HA1A470WR	EEE-FN1E470R
EEE-HA1A471AP	EEE-FK1E471AP
EEE-HA1A471FP	#N/A
EEE-HA1A471P	EEE-FK1E471P
EEE-HA1A471UJ	#N/A
EEE-HA1A471UP	EEE-FK1A471P
EEE-HA1A471V	EEE-FK1A471V
EEE-HA1C100A	#N/A
EEE-HA1C100AA	#N/A
EEE-HA1C100AJ	#N/A
EEE-HA1C100AR	EEE-FN1C100R
EEE-HA1C100FR	#N/A
EEE-HA1C100J	EEE-FN1C100R
EEE-HA1C100KR	#N/A
EEE-HA1C100R	EEE-FN1C100R
EEE-HA1C101P	#N/A
EEE-HA1C101UP	#N/A
EEE-HA1C101WA	#N/A
EEE-HA1C101WP	EEE-FN1E101UP
EEE-HA1C220AJ	#N/A
EEE-HA1C220AR	EEE-FN1V220R
EEE-HA1C220R	EEE-FN1V220R
EEE-HA1C220WR	EEE-FN1C220R
EEE-HA1C221AP	EEE-FN1H221P
EEE-HA1C221P	EEE-FN1H221P
EEE-HA1C221UP	EEE-FN1E221P
EEE-HA1C221XP	EEE-FN1C221XP
EEE-HA1C330WR	EEE-FN1E330R
EEE-HA1C331AP	EEE-FK1V331AP
EEE-HA1C331P	EEE-FK1V331P

EEE-HA1C331UP	EEE-FN1C331P
EEE-HA1C470AJ	#N/A
EEE-HA1C470AP	EEE-FN1V470P
EEE-HA1C470FP	#N/A
EEE-HA1C470J	#N/A
EEE-HA1C470P	EEE-FN1V470P
EEE-HA1C470WA	#N/A
EEE-HA1C470WR	EEE-FN1E470R
EEE-HA1C471AP	EEE-FN1V471UP
EEE-HA1C471FP	#N/A
EEE-HA1C471P	EEE-FN1V471UP
EEE-HA1C471UP	EEE-FN1C471P
EEE-HA1C471V	EEE-FN1C471V
EEE-HA1C681P	EEE-FN1E681UP
EEE-HA1E100AR	EEE-FK1V100AR
EEE-HA1E100J	#N/A
EEE-HA1E100R	EEE-FK1V100R
EEE-HA1E100WR	EEE-FN1E100R
EEE-HA1E101AJ	#N/A
EEE-HA1E101AP	EEE-FN1H101P
EEE-HA1E101FJ	#N/A
EEE-HA1E101J	#N/A
EEE-HA1E101P	EEE-FN1H101P
EEE-HA1E101UP	EEE-FK1E101P
EEE-HA1E101UV	EEE-FK1E101V
EEE-HA1E101XP	EEE-FN1V101XP
EEE-HA1E220AJ	#N/A
EEE-HA1E220AP	#N/A
EEE-HA1E220P	#N/A
EEE-HA1E220WR	EEE-FN1V220R
EEE-HA1E221AP	#N/A
EEE-HA1E221FP	#N/A
EEE-HA1E221P	#N/A
EEE-HA1E221UP	EEE-FN1E221P
EEE-HA1E330AJ	#N/A
EEE-HA1E330AP	EEE-FK1V330AP
EEE-HA1E330P	EEE-FK1V330P

EEE-HA1E330WR	EEE-FN1E470R
EEE-HA1E331AP	EEE-FK1V331AP
EEE-HA1E331P	EEE-FK1V331P
EEE-HA1E331UP	EEE-FN1E331P
EEE-HA1E470AJ	#N/A
EEE-HA1E470AP	#N/A
EEE-HA1E470P	#N/A
EEE-HA1E470WP	EEE-FN1V470P
EEE-HA1E471P	EEE-FN1V471UP
EEE-HA1E471ZP	#N/A
EEE-HA1E4R7AR	EEE-FK1V4R7AR
EEE-HA1E4R7J	#N/A
EEE-HA1E4R7R	EEE-FK1V4R7AR
EEE-HA1H100AJ	#N/A
EEE-HA1H100AP	#N/-A
EEE-HA1H100FP	#N/A
EEE-HA1H100J	#N/A
EEE-HA1H100P	EEE-FK1H100P
EEE-HA1H101AJ	#N/A
EEE-HA1H101AP	#N/A
EEE-HA1H101J	#N/A
EEE-HA1H101P	#N/A
EEE-HA1H101UP	EEE-FK1H101P
EEE-HA1H101UV	EEE-FK1H101V
EEE-HA1H101V	#N/A
EEE-HA1H1R0A	#N/A
EEE-HA1H1R0AJ	#N/A
EEE-HA1H1R0AR	#N/A
EEE-HA1H1R0FR	#N/A
EEE-HA1H1R0R	#N/A
EEE-HA1H220AP	#N/A
EEE-HA1H220J	#N/A
EEE-HA1H220P	#N/A
EEE-HA1H221P	EEE-FN1H221P
EEE-HA1H221V	EEE-FN1H221V
EEE-HA1H2R2AR	#N/A
EEE-HA1H2R2FR	#N/A

EEE-HA1H2R2J	#N/A
EEE-HA1H2R2R	#N/A
EEE-HA1H330AP	#N/A
EEE-HA1H330J	#N/A
EEE-HA1H330P	#N/A
EEE-HA1H330UP	#N/A
EEE-HA1H330XP	EEE-FK1H330XP
EEE-HA1H3R3AJ	#N/A
EEE-HA1H3R3AR	#N/A
EEE-HA1H3R3J	#N/A
EEE-HA1H3R3R	#N/A
EEE-HA1H470AP	#N/A
EEE-HA1H470P	#N/A
EEE-HA1H470UP	#N/A
EEE-HA1H470XJ	#N/A
EEE-HA1H470XP	EEE-FN1H470XP
EEE-HA1H4R7AR	#N/A
EEE-HA1H4R7FR	#N/A
EEE-HA1H4R7R	#N/A
EEE-HA1J100P	#N/A
EEE-HA1J220P	#N/A
EEE-HA1J220UP	#N/A
EEE-HA1J330P	#N/A
EEE-HA1J470P	#N/A
EEE-HA1J470UJ	#N/A
EEE-HA1J470UP	EEE-FN1J470P
EEE-HA1V100AR	EEE-FK1V100R
EEE-HA1V100J	#N/A
EEE-HA1V100R	EEE-FK1V100R
EEE-HA1V100WR	EEE-FN1V100R
EEE-HA1V101AJ	#N/A
EEE-HA1V101AP	#N/A
EEE-HA1V101FP	#N/A
EEE-HA1V101J	#N/A
EEE-HA1V101P	#N/A
EEE-HA1V101UP	EEE-FK1V101P
EEE-HA1V101V	EEE-FK1V101V

EEE-HA1V101XJ	#N/A
EEE-HA1V101XP	EEE-FN1V101XP
EEE-HA1V220AJ	#N/A
EEE-HA1V220AP	#N/A
EEE-HA1V220FJ	#N/A
EEE-HA1V220FP	#N/A
EEE-HA1V220P	#N/A
EEE-HA1V220WR	EEE-FN1V220R
EEE-HA1V221A	#N/A
EEE-HA1V221AJ	#N/A
EEE-HA1V221AP	#N/A
EEE-HA1V221FJ	#N/A
EEE-HA1V221FP	#N/A
EEE-HA1V221P	#N/A
EEE-HA1V221UJ	#N/A
EEE-HA1V221UP	EEE-FN1V221P
EEE-HA1V221UV	EEE-FN1V221V
EEE-HA1V330AP	#N/A
EEE-HA1V330P	#N/A
EEE-HA1V330WP	EEE-FK1V330AP
EEE-HA1V331J	#N/A
EEE-HA1V331P	EEE-FK1V331P
EEE-HA1V470AJ	#N/A
EEE-HA1V470AP	#N/A
EEE-HA1V470FP	#N/A
EEE-HA1V470P	#N/A
EEE-HA1V470UP	#N/A
EEE-HA1V470V	#N/A
EEE-HA1V470WJ	#N/A
EEE-HA1V470WP	#N/A
EEE-HA1V4R7AJ	#N/A
EEE-HA1V4R7AR	EEE-FK1V4R7AR
EEE-HA1V4R7J	#N/A
EEE-HA1V4R7R	EEE-FK1V4R7R
EEE-HA2A100P	EEE-FN2A100P
EEE-HA2A220P	#N/A
EEE-HA2A220UP	EEE-FN2A220P

EEE-HA2A330P	EEE-FN2A330P
EEE-HA2A330V	EEE-FN2A330V
EEE-HA2A470UP	EEE-FN2A470UP
EEE-HA2A470UV	EEE-FN2A470UV
EEE-HA2A4R7UP	#N/A
EEE-HAA221XAJ	#N/A
EEE-HAA221XAP	EEE-FN1C221XP
EEE-HAC221XAP	EEE-FN1C221XP
EEE-HAE101XAA	#N/A
EEE-HAE101XAP	EEE-FN1V101XP
EEE-HAE101XFP	#N/A
EEE-HAH330XAP	#N/A
EEE-HAH470UKP	#N/A
EEE-HAH470XAP	#N/A
EEE-HAJ331XAP	EEE-FN0J331XP
EEE-HAV101XAJ	#N/A
EEE-HAV101XAP	EEE-FN1V101XP
EEE-HAV101XFJ	#N/A
EEE-HAV101XFP	#N/A
EEE-HZ1J101P	#N/A
EEE-HZ1V331XP	#N/A
EEE-SHA1C100R	#N/A
EEE-SHA1C470P	#N/A
EEE-SHA1E4R7R	#N/A
EEE-SHA1H101P	#N/A
EEE-SHA1H221P	#N/A
EEE-SHA1V100R	#N/A
EEE-SHA1V331P	#N/A
EEE-SHAC100KR	#N/A
EEE-SHAC101WP	#N/A
EEE-SHAC221XP	#N/A
EEE-SHAH470SP	#N/A
EEE-SHAV101UP	#N/A
EEE-SHAV101XP	#N/A
EEE-ZHA1A101P	#N/A
EEE-ZHA1C100R	#N/A
EEE-ZHA1C470P	#N/A

EEE-ZHA1E470P	#N/A
EEE-ZHA1H100P	#N/A
EEE-ZHA1V4R7R	#N/A
EEE-ZHAC101WP	#N/A
EEE-ZHAH101UP	#N/A
EEE-ZHAV220FP	#N/A
EEE-DFZV101UP	#N/A
EEE-HB0J101SP	EEE-FN1E101UP
EEE-HB0J220SR	EEE-FN0J220R
EEE-HB0J470SR	EEE-FN1E470R
EEE-HB1A330SR	EEE-FN1E330R
EEE-HB1C100SJ	#N/A
EEE-HB1C100SR	EEE-FN1C100R
EEE-HB1C220SR	EEE-FN1V220R
EEE-HB1C470SP	EEE-FN1V470P
EEE-HB1E220SP	#N/A
EEE-HB1E330SP	EEE-FK1V330P
EEE-HB1E4R7SR	EEE-FK1V4R7AR
EEE-HB1E6R8SR	#N/A
EEE-HB1H100SP	EEE-FK1H100P
EEE-HB1H1R0SR	#N/A
EEE-HB1H2R2SR	#N/A
EEE-HB1H3R3SR	#N/A
EEE-HB1H4R7SR	#N/A
EEE-HB1H6R8SR	#N/A
EEE-HB1V100SR	EEE-FK1V100R
EEE-HB1V220SP	#N/A
EEE-HZ0G101SR	#N/A
EEE-HZ0J330SR	#N/A
EEE-FC0J101AJ	#N/A
EEE-FC0J101AP	EEE-FN1E101UP
EEE-FC0J101FA	#N/A
EEE-FC0J101FJ	#N/A
EEE-FC0J101FP	#N/A
EEE-FC0J101J	#N/A
EEE-FC0J101P	EEE-FN1E101UP
EEE-FC0J102AP	EEE-FN1A102P

EEE-FC0J102P	EEE-FN1A102P
EEE-FC0J152AP	EEE-FN0J152P
EEE-FC0J152P	EEE-FN0J152P
EEE-FC0J220AR	EEE-FN0J220R
EEE-FC0J220J	#N/A
EEE-FC0J220R	EEE-FN0J220R
EEE-FC0J221AP	EEE-FK1A221AP
EEE-FC0J221P	EEE-FK1A221P
EEE-FC0J221WP	#N/A
EEE-FC0J331AP	EEE-FN1C331P
EEE-FC0J331FP	#N/A
EEE-FC0J331P	EEE-FN1C331P
EEE-FC0J331V	EEE-FN1C331V
EEE-FC0J470AR	EEE-FN1E470R
EEE-FC0J470FR	#N/A
EEE-FC0J470R	EEE-FN1E470R
EEE-FC0J680AP	EEE-FN1E680P
EEE-FC0J680P	EEE-FN1E680P
EEE-FC1A101AP	EEE-FK1E101P
EEE-FC1A101AV	EEE-FK1E101V
EEE-FC1A101FP	#N/A
EEE-FC1A101P	EEE-FK1E101P
EEE-FC1A101V	EEE-FK1E101V
EEE-FC1A101XP	#N/A
EEE-FC1A102AP	EEE-FK1A102AP
EEE-FC1A102P	EEE-FK1A102P
EEE-FC1A102V	EEE-FK1A102V
EEE-FC1A151AP	#N/A
EEE-FC1A151P	#N/A
EEE-FC1A221AJ	#N/A
EEE-FC1A221AP	EEE-FK1E221AP
EEE-FC1A221P	EEE-FK1E221P
EEE-FC1A330AR	EEE-FN1E330R
EEE-FC1A330FR	#N/A
EEE-FC1A330R	EEE-FN1E330R
EEE-FC1A471AP	EEE-FK1E471AP
EEE-FC1A471P	EEE-FK1E471P

EEE-FC1A471V	EEE-FK1E471V
EEE-FC1C100A	#N/A
EEE-FC1C100AA	#N/A
EEE-FC1C100AR	EEE-FN1C100R
EEE-FC1C100B	#N/A
EEE-FC1C100FR	#N/A
EEE-FC1C100R	EEE-FN1C100R
EEE-FC1C101AJ	#N/A
EEE-FC1C101AP	EEE-FK1E101AP
EEE-FC1C101FJ	#N/A
EEE-FC1C101H	#N/A
EEE-FC1C101HP	#N/A
EEE-FC1C101J	EEE-FK1E101P
EEE-FC1C101P	EEE-FK1E101P
EEE-FC1C101V	EEE-FK1E101V
EEE-FC1C101WA	#N/A
EEE-FC1C101WP	#N/A
EEE-FC1C101XP	#N/A
EEE-FC1C220AR	EEE-FN1V220R
EEE-FC1C220FJ	#N/A
EEE-FC1C220R	EEE-FN1V220R
EEE-FC1C221AP	EEE-FN1H221P
EEE-FC1C221P	EEE-FN1H221P
EEE-FC1C330P	#N/A
EEE-FC1C331AP	EEE-FK1V331AP
EEE-FC1C331P	EEE-FK1V331P
EEE-FC1C470AJ	#N/A
EEE-FC1C470AP	EEE-FN1V470P
EEE-FC1C470FJ	#N/A
EEE-FC1C470FP	#N/A
EEE-FC1C470P	EEE-FN1V470P
EEE-FC1C470WR	#N/A
EEE-FC1C471AP	EEE-FN1V471UP
EEE-FC1C471P	EEE-FN1V471UP
EEE-FC1C680AP	#N/A
EEE-FC1C680P	#N/A
EEE-FC1C681AP	EEE-FN1E681UP

EEE-FC1C681P	EEE-FN1E681UP
EEE-FC1E101AJ	#N/A
EEE-FC1E101AP	EEE-FN1H101P
EEE-FC1E101FP	#N/A
EEE-FC1E101P	EEE-FN1H101P
EEE-FC1E151ZJ	#N/A
EEE-FC1E151ZP	#N/A
EEE-FC1E220AP	#N/A
EEE-FC1E220P	#N/A
EEE-FC1E221AP	#N/A
EEE-FC1E221J	#N/A
EEE-FC1E221P	#N/A
EEE-FC1E330AP	EEE-FK1V330AP
EEE-FC1E330FP	#N/A
EEE-FC1E330J	#N/A
EEE-FC1E330P	EEE-FK1V330P
EEE-FC1E331AP	EEE-FK1V331AP
EEE-FC1E331P	EEE-FK1V331P
EEE-FC1E331V	EEE-FK1V331V
EEE-FC1E470AP	#N/A
EEE-FC1E470J	#N/A
EEE-FC1E470P	#N/A
EEE-FC1E470WP	#N/A
EEE-FC1E471AP	EEE-FN1V471UP
EEE-FC1E471AV	EEE-FN1V471UV
EEE-FC1E471FV	#N/A
EEE-FC1E471P	EEE-FN1V471UP
EEE-FC1E680AP	#N/A
EEE-FC1E680P	#N/A
EEE-FC1E6R8AR	#N/A
EEE-FC1E6R8R	#N/A
EEE-FC1H100FP	#N/A
EEE-FC1H100P	EEE-FK1H100P
EEE-FC1H101A	#N/A
EEE-FC1H101P	#N/A
EEE-FC1H101V	#N/A
EEE-FC1H1R0R	#N/A

EEE-FC1H220A	#N/A
EEE-FC1H220P	#N/A
EEE-FC1H221J	#N/A
EEE-FC1H221P	EEE-FN1H221P
EEE-FC1H2R2R	#N/A
EEE-FC1H330P	#N/A
EEE-FC1H3R3R	#N/A
EEE-FC1H470P	#N/A
EEE-FC1H470V	#N/A
EEE-FC1H4R7R	#N/A
EEE-FC1V100AJ	#N/A
EEE-FC1V100AR	EEE-FK1V100R
EEE-FC1V100FR	#N/A
EEE-FC1V100J	EEE-FK1V100R
EEE-FC1V100R	EEE-FK1V100R
EEE-FC1V101AJ	#N/A
EEE-FC1V101AP	#N/A
EEE-FC1V101FP	#N/A
EEE-FC1V101P	#N/A
EEE-FC1V101V	#N/A
EEE-FC1V1R0AR	#N/-A
EEE-FC1V1R0R	#N/A
EEE-FC1V220AJ	#N/A
EEE-FC1V220AP	#N/A
EEE-FC1V220FP	#N/A
EEE-FC1V220J	#N/A
EEE-FC1V220P	#N/A
EEE-FC1V221AJ	#N/A
EEE-FC1V221AP	#N/A
EEE-FC1V221FP	#N/A
EEE-FC1V221P	#N/A
EEE-FC1V2R2AR	#N/A
EEE-FC1V2R2R	#N/A
EEE-FC1V330AP	#N/A
EEE-FC1V330P	#N/A
EEE-FC1V331AJ	#N/A
EEE-FC1V331AP	EEE-FK1V331AP

EEE-FC1V331FP	#N/A
EEE-FC1V331J	#N/A
EEE-FC1V331P	EEE-FK1V331P
EEE-FC1V331V	EEE-FK1V331V
EEE-FC1V3R3AR	#N/A
EEE-FC1V3R3R	#N/A
EEE-FC1V470A	#N/A
EEE-FC1V470AJ	#N/A
EEE-FC1V470AP	#N/A
EEE-FC1V470B	#N/A
EEE-FC1V470FJ	#N/A
EEE-FC1V470FP	#N/A
EEE-FC1V470HJ	#N/A
EEE-FC1V470J	#N/A
EEE-FC1V470P	#N/A
EEE-FC1V470XP	#N/A
EEE-FC1V470ZP	#N/A
EEE-FC1V4R7AR	EEE-FK1V4R7AR
EEE-FC1V4R7FR	#N/A
EEE-FC1V4R7J	#N/A
EEE-FC1V4R7R	EEE-FK1V4R7R
EEE-FC1V6R8AR	#N/A
EEE-FC1V6R8R	#N/A
EEE-FCC101WAJ	#N/A
EEE-FCV220KAJ	#N/A
EEE-FZ1V330XJ	#N/A
EEE-FZ1V680XP	#N/A
EEE-HZV101UAJ	#N/A
EEE-ZFC0J101P	#N/A
EEE-ZFC0J220R	#N/A
EEE-ZFC1A471P	#N/A
EEE-ZFC1C100R	#N/A
EEE-ZFC1C101P	#N/A
EEE-ZFC1E471P	#N/A