ThermalManager

struct __CFRunLoop *localMainRunloop;
int productName;
struct __CFBundle *bundle;
CommonProduct *product;
....

ContexAwareThermalManager

NSObject<OS_dispatch_queue> *catmQueue;
NSObject<OS_dispatch_source> *theTimer;
struct __CFArray *ctxObjects;

+ (id)sharedInstance
- (void)updateSystemPowerState:(_Bool)arg1;
- (void)iterateAndUpdateContexts;
- (_Bool)isContextTriggered:(int)arg1;
- (int)getContextState:(int)arg1;
- (id)createNewContext:(int)arg1;
- (void)dealloc;
- (id)init;

ComponentControl

SupervisorControl

TableDrivenDecisionTree

ThermalStatusLevel

CommonProduct

AggDThermalMonitor *aggdTM;
_Bool thermalTrap;
NSMutableArray *listofComponentControl;
NSMutableArray *listOfSupervisorControl;
int calibrationResistorSensor;
int calibrationResistorTempDefault;
TableDrivenDecisionTree *decisionTree;
int thermalState;
float THERMAL_TRAP_LOAD;
float THERMAL_TRAP_SLEEP;
unsigned long long componentThermalStatusLevel;
unsigned long long previousOSThermalNotificationLevel;

- (unsigned long long)getPotentialForcedThermalLevel:(unsigned long long)arg1;
- (_Bool)useTcalAdjust:(int)arg1;
- (void)updateTrapTargetFor:(int)arg1:(unsigned int)arg2;
- (void)updateThermRelease;
- (void)updateSleepTargetFor:(int)arg1:(unsigned int)arg2;
- (void)updateMaxLIFor:(int)arg1:(unsigned int)arg2;
- (void)updateDecayStatus;
- (void)updateHotSpotPIDTargetFor:(int)arg1:(unsigned int)arg2;
- (void)updateControlEffortFor:(int)arg1:(unsigned int)arg2;
- (void)updateAllThermalLoad;
- (void)tryTakeAction;
- (int)totalSensors;
- (void)probeAllSupervisorControlLoadingIndex;
- (_Bool)hasSolarMode;
- (unsigned long long)getWatchDogMode;
- (_Bool)getNaviStatus;
- (unsigned long long)getMaxSensorValue;
- (int)getHighestSkinTemp;
- (struct iir_filter_t *)getFilterValues;
- (void)getAllComponentID:(struct __SCPreferences *)arg1;
- (id)findComponent:(int)arg1;
- (void)evaluteMitigationMaxLoadingIndex;
- (void)enableRadioDataCollection:(_Bool)arg1;
- (void)createConnectionToCT:(int)arg1;
- (void)clearLoadingIndexOverrides;
- (void)clearControlEffortOverrides;
- (void)dealloc;
- (id)init;

TableDrivenDecisionTree

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TwoHotSpotDecisionTree

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ThreeHotSpotDecisionTree

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FourHotSpotDecisionTree

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FiveHotSpotDecisionTree

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SixHotSpotDecisionTree