



LSISAS2208 RoC????????????????RoC, ?????????, ???OEM?????ASIC chip, ?????????LSISAS2108 RoC?????.  
????MegaRAID 5.x RAID stack?????, ??????????. Intel RS25AB080???LSISAS2208 RoC?OEM????, ???RAID  
stack???LSI???9265/9266?????. ???Internal?Flash-based Data Protection HBA, ?LSI?????model,  
RS25AB080????????Super Cap.??Data Protection Module, ???LSI????????CacheVault???? Super Cap.?????  
??, ?????????. ?????????????????.

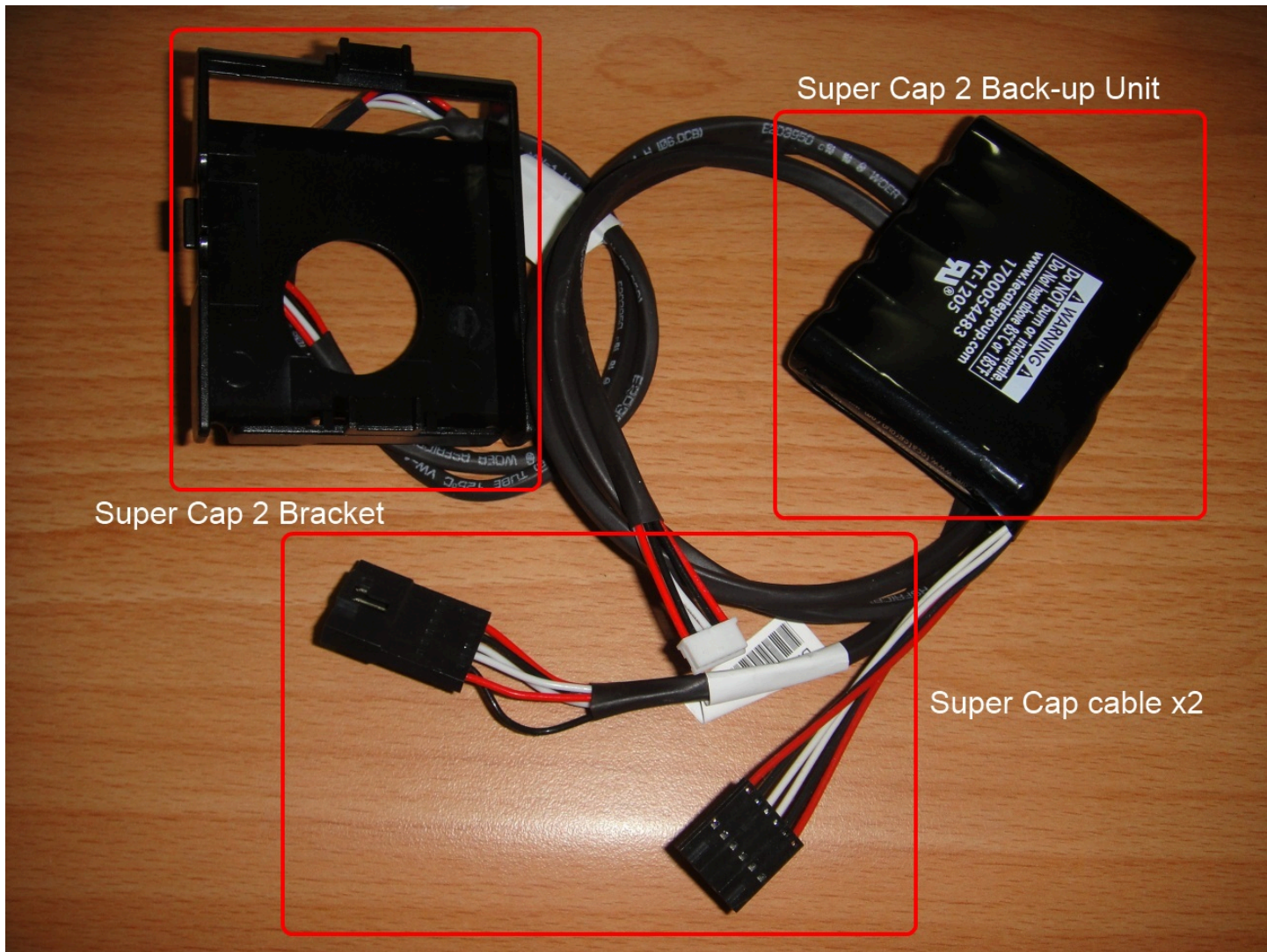


????????, ???LSI?????. ???????????:



???????LSI???????, ???????????????:





?????????????: Bracket, Power Cable?Super Cap. Bracket?????Super Cap.?????????????, ??????????????.  
Power Cable?????Super Cap.?HBA, ??????, ???????????????????.



Super Cap.???, ??????, ???iBBU?????. ??????????????. Super Cap.?????????????:

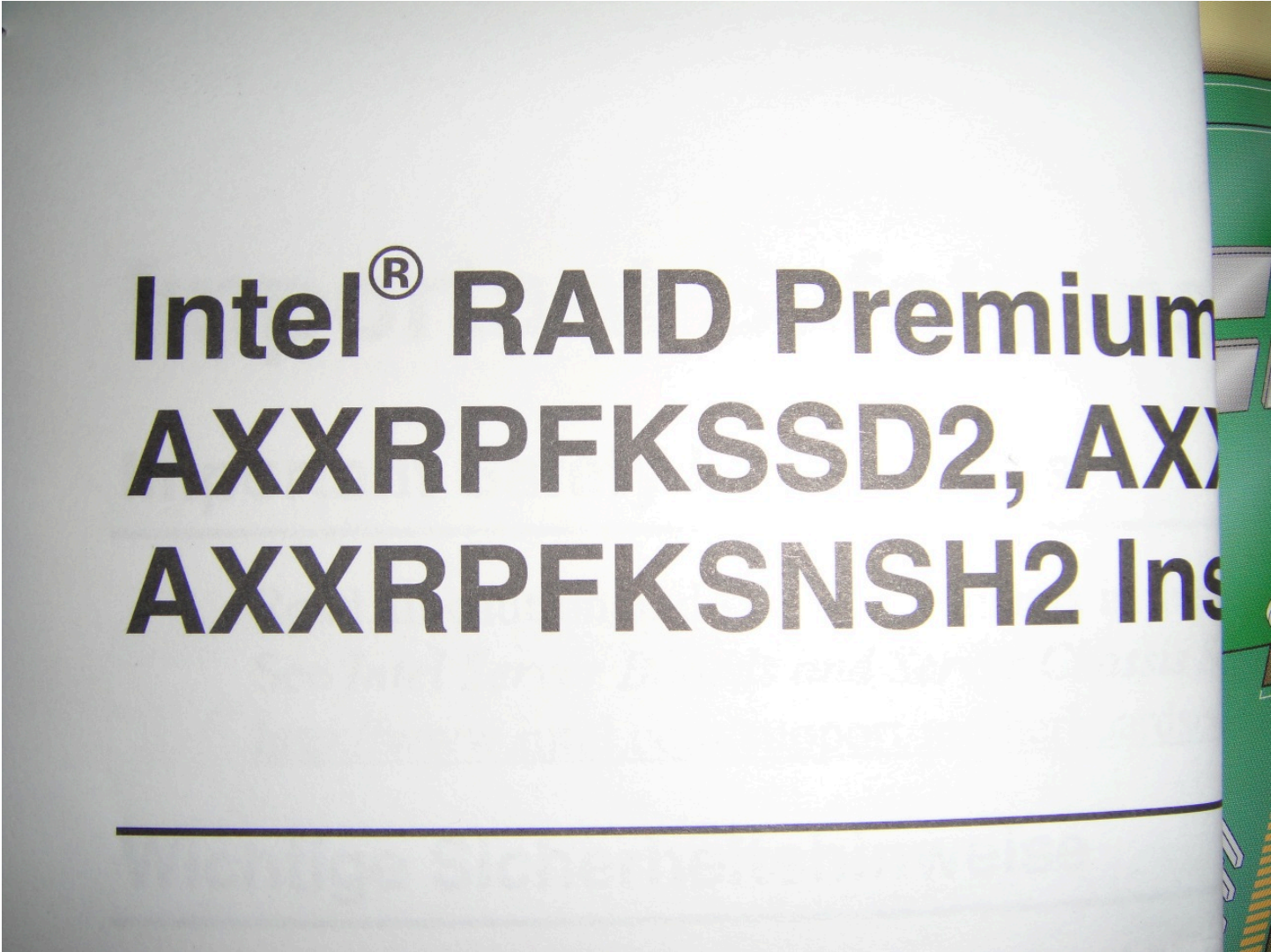
	CacheVault Technology	Standard Battery Backup
Maintenance schedule	None needed over the life of the controller	Battery should be replaced every 1-2 years; Battery monitoring required
Maintenance impact	None	Server must be opened (removed from rack) and should be taken offline while the battery is being replaced
Data recoverable for:	3+ years	Up to 72 hours, less if battery is degraded
Charge time	Capacitor charges in seconds while the system boots	4.5 to 9 hours
Time to cache protection	Immediate	24 to 48 hours for initial capacity test
Inventory requirements	None	Need to maintain at least a small inventory of emergency replacements
Disposal issues	None	Need to safely dispose of hazardous battery material

???, ??????????. CacheVaultTechnology????LSI??Super Cap..



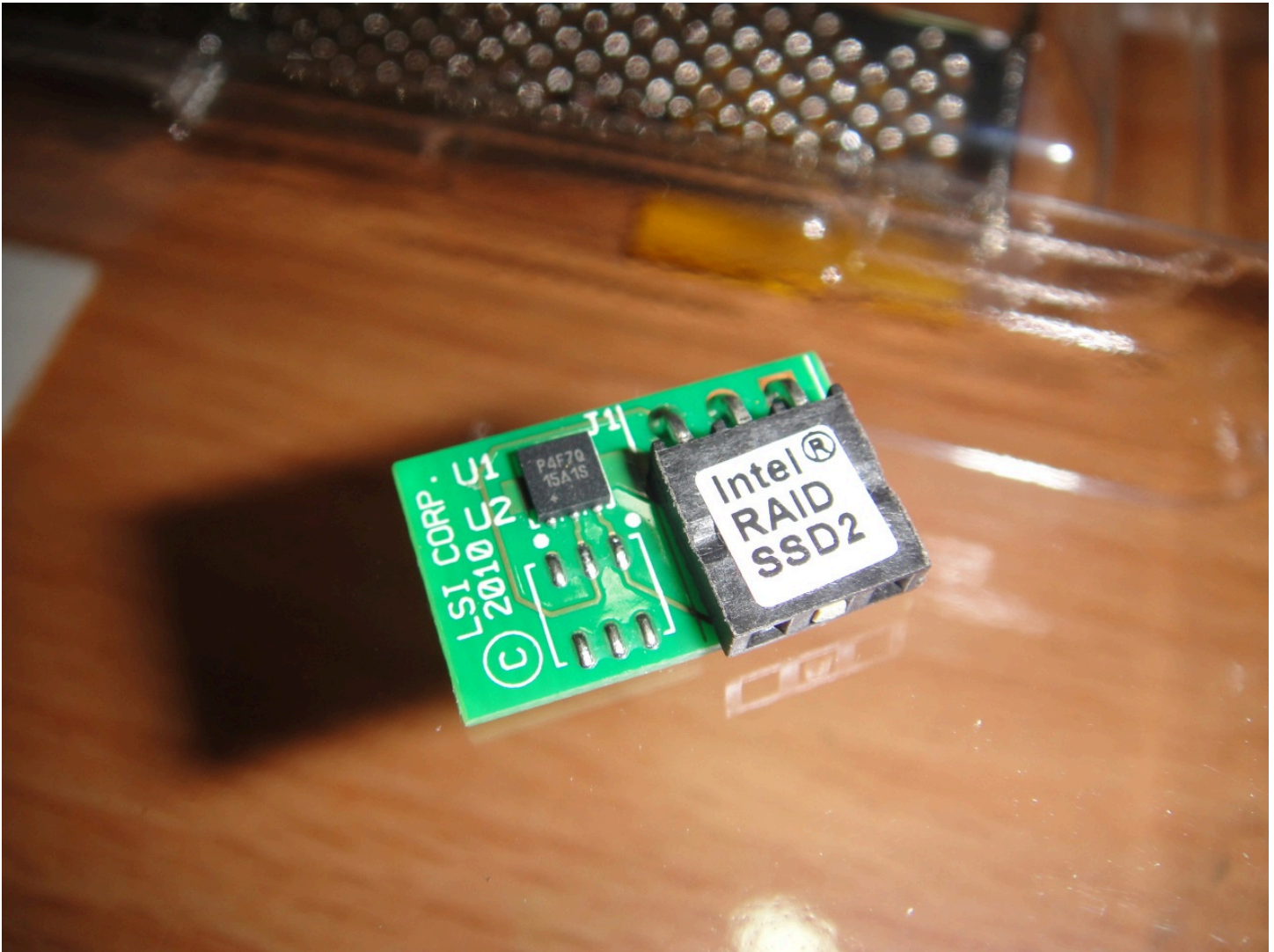


???????, ????????????, ??????. ?????PFK????, ????????. ?????! ?????PFK?.



PFK?????, ??????AXXRPFKSSD2??, ??LSI?????CacheCade SSDC??. ??????????H/W 3pins Key.





????key, ??????. ??????, key?????????????. ?key????????LSISAS2108????.



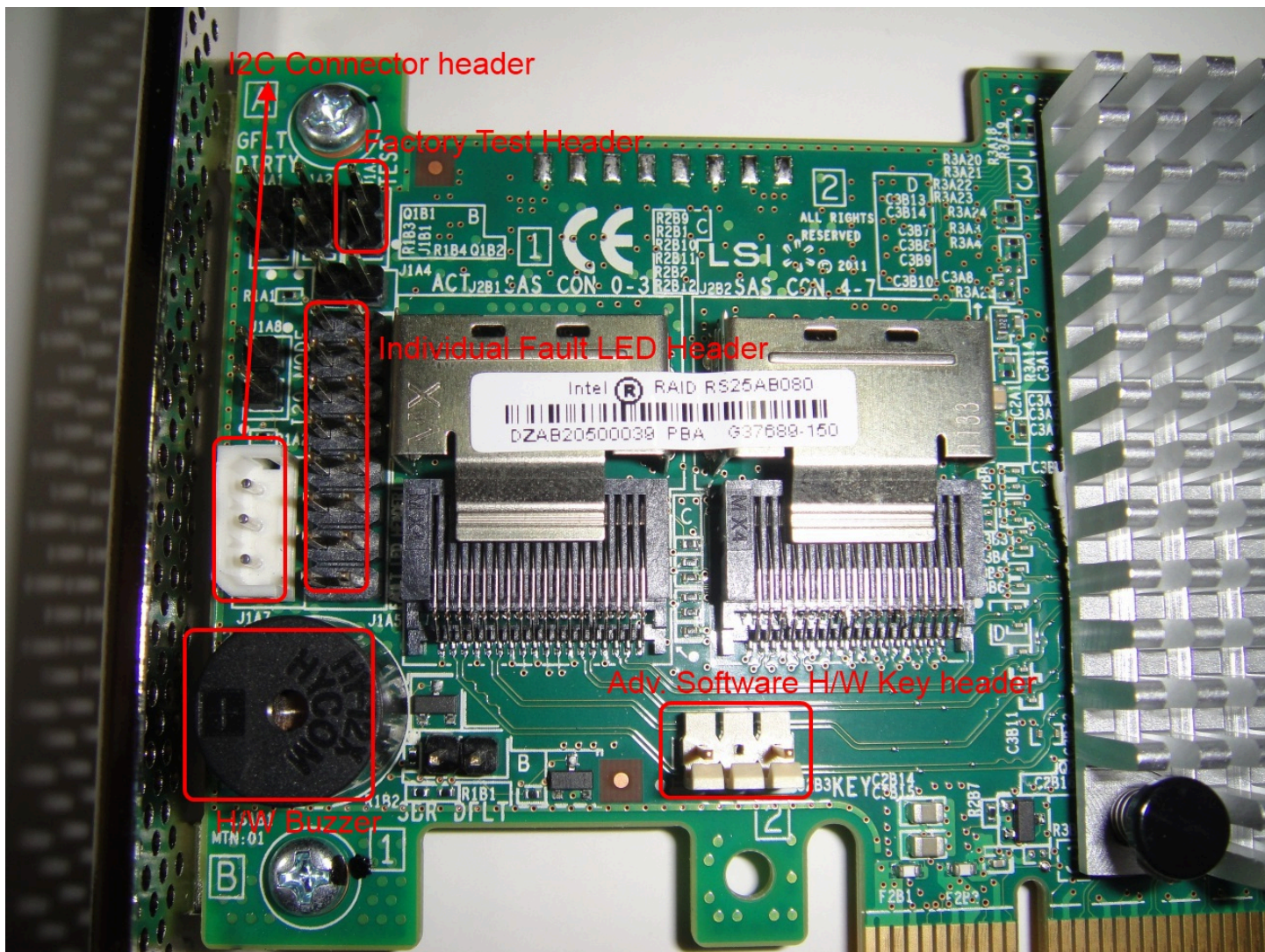
????????, ??LSI?????????????????. ??????????????????key. ?????HBA??.





Low profile, ??????2U?????. ?????????????????, ??????????LSISAS2208 RoC ASIC chip.





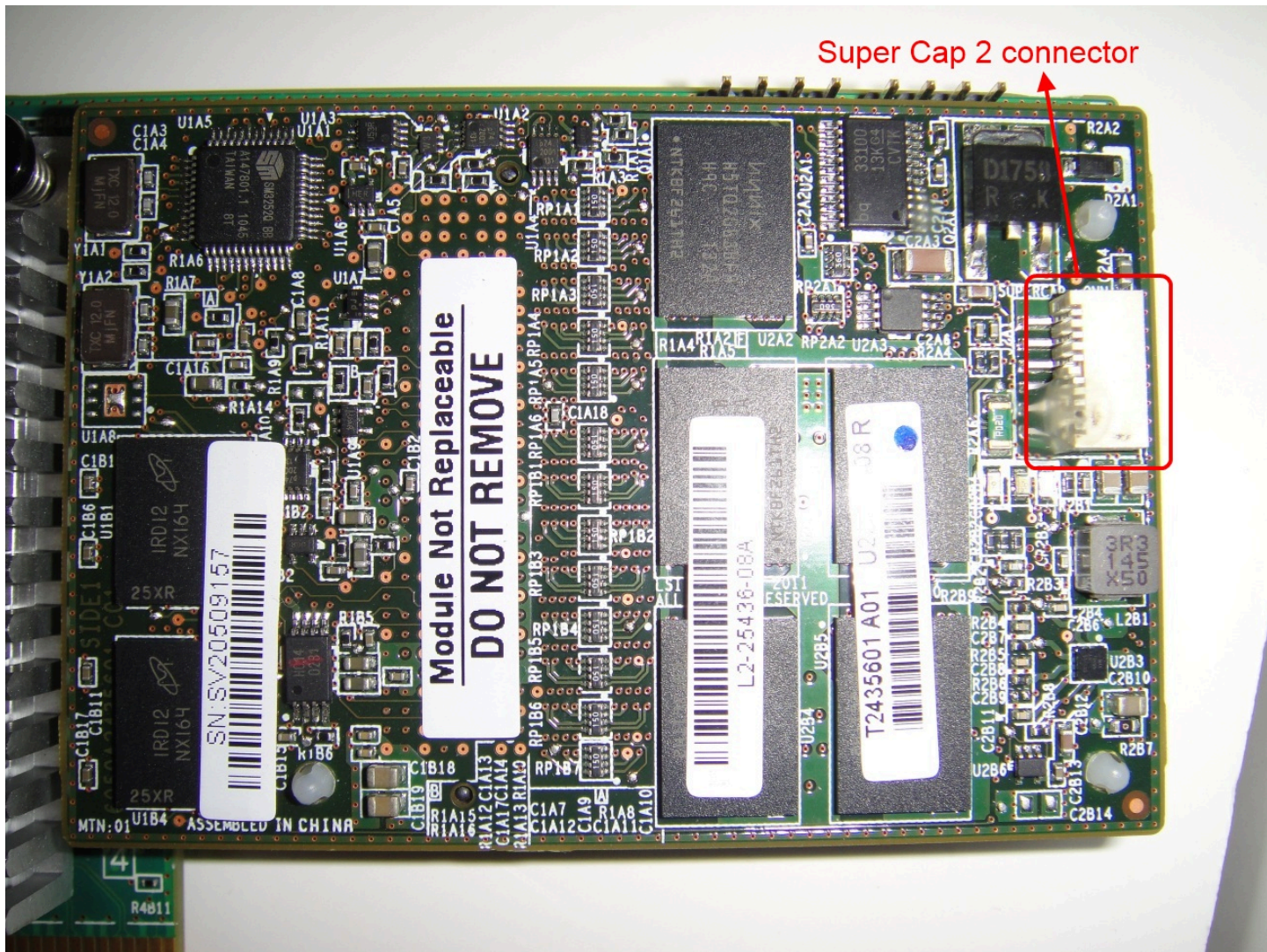
HBA????, I2C????Enclosure????, ??SGPIO?????. Faul LED header????, ???backplane??, ??????????. Factory Test Header????????, Adv. Software H/W Key header?????RAID Key, ??????????. ?????????:





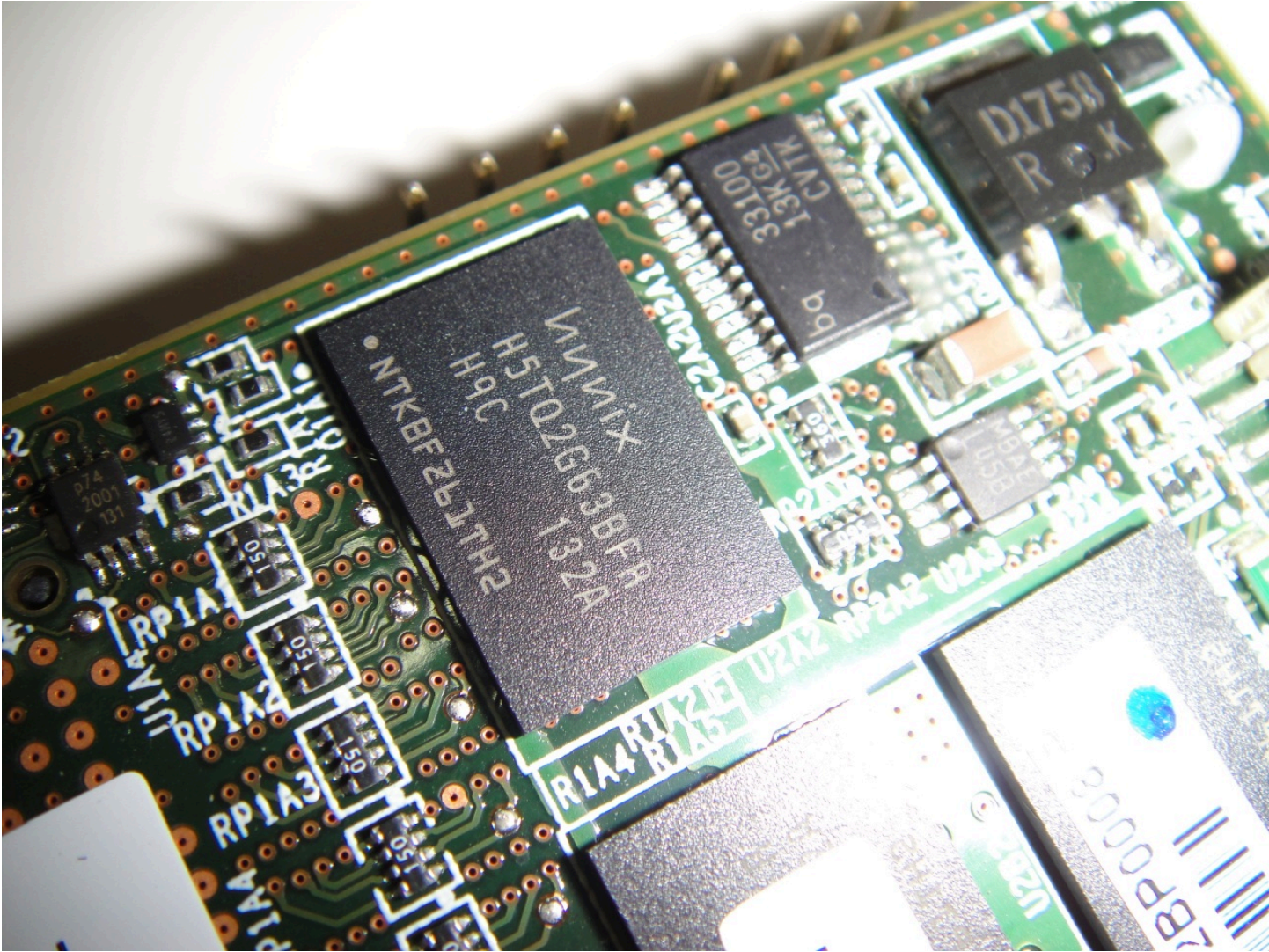
????????HBA????, ????????Cache Memory Board. ??????NAND FLASH??Super Cap.??????????.





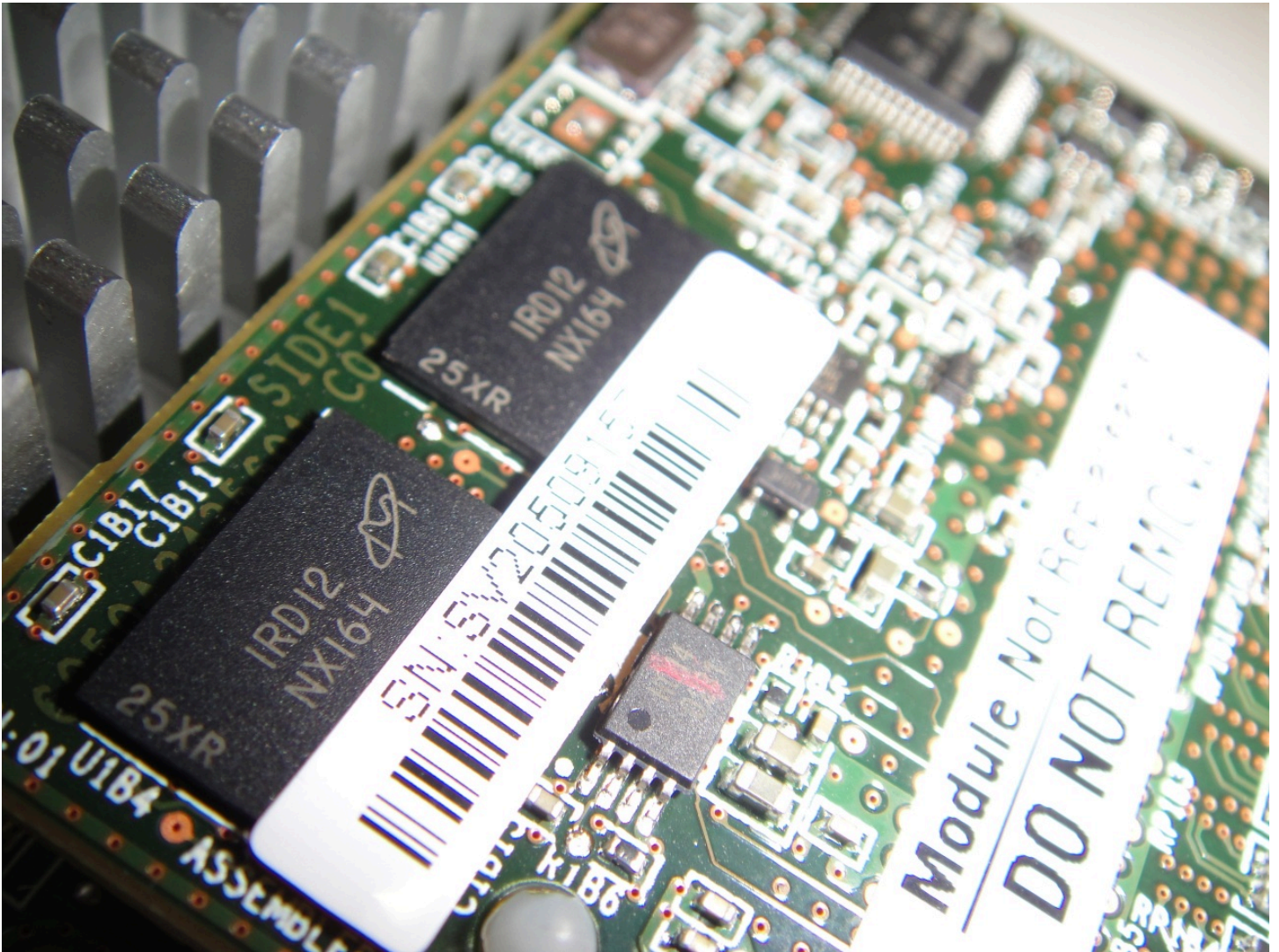
????connector??????Super Cap.?? ??Cache Memory Board????????, ?????????FPGA????????????????, ?? cacheoffload management.





DRAM?cache??, ?DDR3???. ???RAID I/O Processing??.





??NAND FLASH, ??Super Cap????Data Protection.