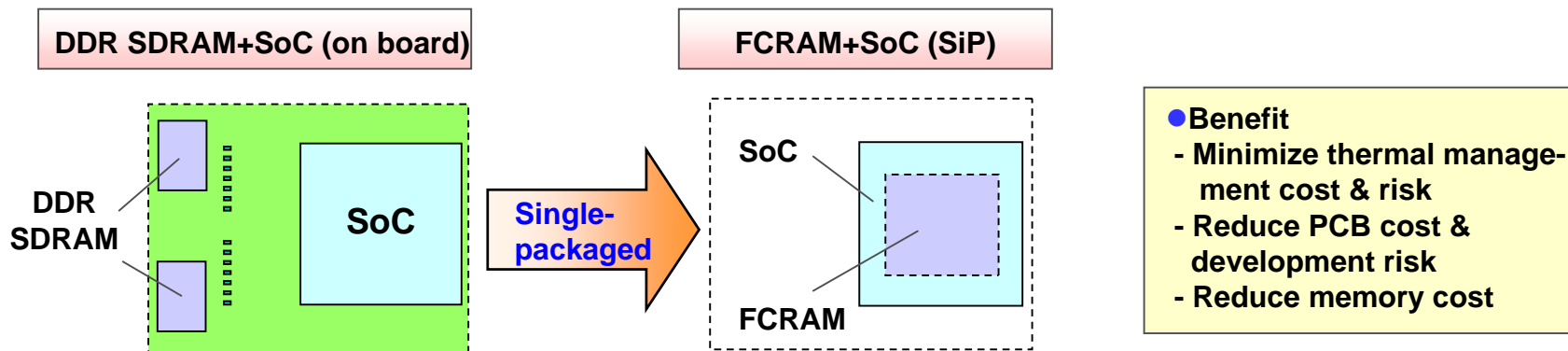
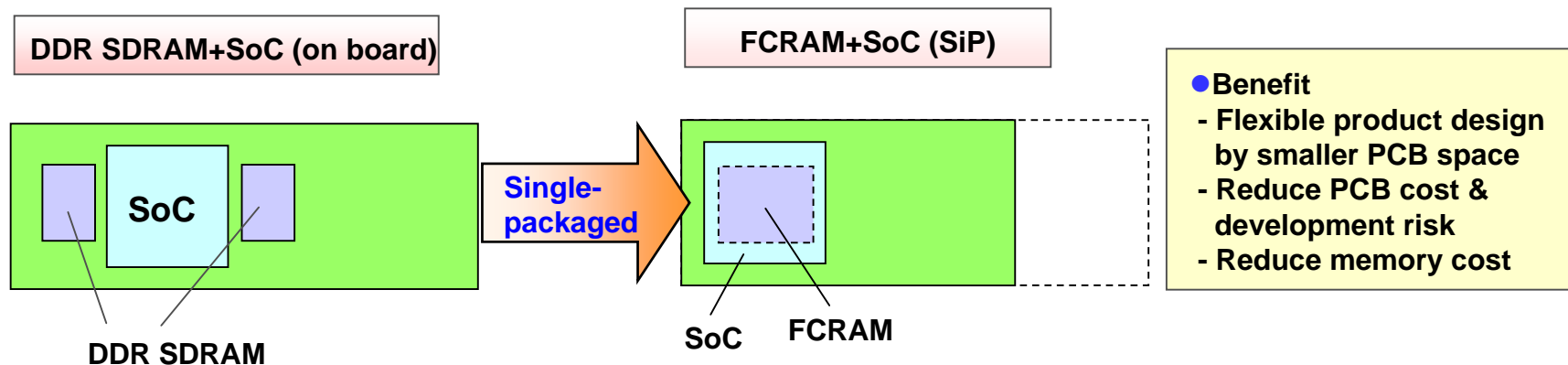


# Benefits of using FCRAM with SiP (1)

## SiP Solution for Digital Television



## SiP Solution for Camcorder



# Benefits of using FCRAM with SiP (2)

## [ Factor Comparison between DDR SDRAM on board and FCRAM in SiP ]

| Factor             | Conv. DDRs on Board |                                                 | x64 FCRAM SiP |                                    |
|--------------------|---------------------|-------------------------------------------------|---------------|------------------------------------|
| DRAM Cost          | NG<br>(High)        | Multiple Memories                               | Good<br>(Low) | Replacable 2x DDR<br>with 1x FCRAM |
| PCB Cost           | NG<br>(High)        | - Termination Resistors<br>- Noise Filters      | Good<br>(Low) | Reduce PCB Space<br>& PCB Layers   |
| PCB Design<br>Risk | NG<br>(High)        | - Yield loss by EMI & SI<br>- Development Delay | Good<br>(No)  | SiP Tested & Passed                |