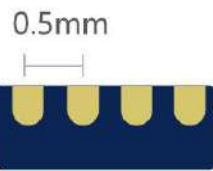
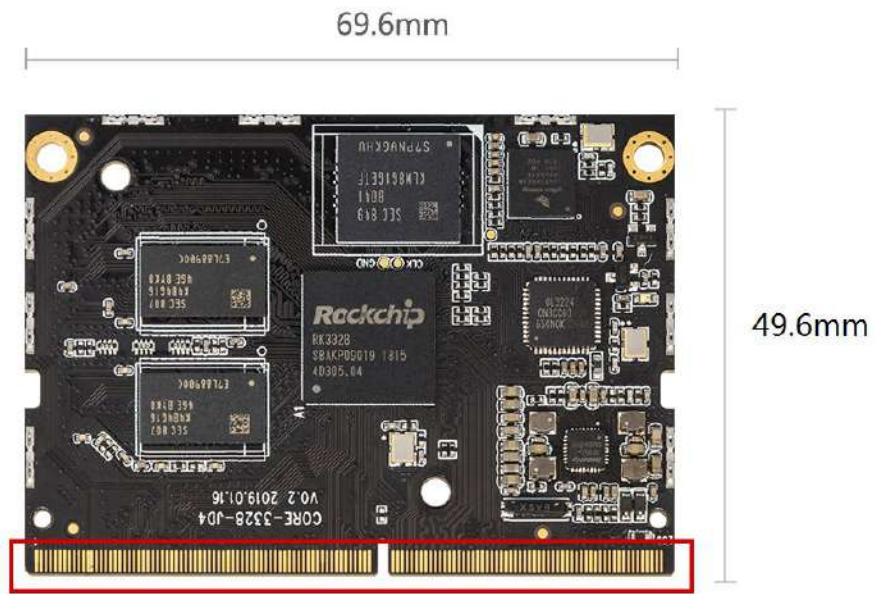


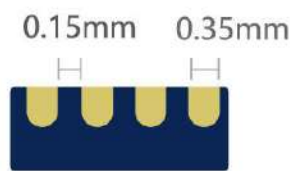
## 2. Product Specification

Specification	
SOC	Rockchip RK3328
CPU	Quad-core ARM® Cortex-A53 64-bit processor, frequency up to 1.5GHz
GPU	ARM Mali-450 MP2 GPU Support OpenGL ES1.1/2.0, OpenVG1.1
VPU	Support 4K VP9 and 4K 10bits H265/H264 video decoding, up to 60fps 1080P multi-format video decoding (WMV, MPEG-1/2/4, VP9, H.264, H.265) 1080P video coding, support H.264/H.265 Video postprocessor: de-interlacing, denoising, edge / detail / color optimization
NPU	Computing power up to 2.8 TOPS , peak up to 5.6Tops , 9.3Tops/W ultra-high efficiency Support PLAI ( PyTorch ) and MDK ( Caffe) model training tools Follow-up support TensorFlow Support Image Classification Model VGG-16(GNet1)、GNet18 and Gnetfc Support Target Detection Model: SSD ( Based on VGG )
RAM	DDR3 ( 1GB / 2GB / 4GB )
Storage	eMMC 5.1 ( 8GB/16GB/32GB/64GB/128GB ) Support MLC NAND
Hardware Features	
Ethernet	10 / 100 Mbps Ethernet interface ( RJ45 )
WiFi	Extend WiFi & Bluetooth via SDIO3.0
Display	1 x HDMI 2.0, support 4K@60Hz output 1x TV Out, in accordance with 480i, 576i standard
Audio	1 x HDMI , for audio output 1 x 8ch I <sup>2</sup> S /TDM, 1x8ch PDM, 1x2ch I <sup>2</sup> S/PCM
USB	1 x OTG , 1 x USB2.0 HOST、 1xUSB3.0
Interface	4xI <sup>2</sup> C , 4xUART , 2xSPI , 8xPWM、 Support SDIO3.0
Power	DC input voltage 5V
OS / Software	
OS	Android, Linux+QT, Ubuntu
Appearance	
Size	69.6mm × 49.6 mm
Type	Gold finger ( SODIMM 260P, 0.5mm pitch )
PCB	6-layer board design

### 3. PCB Size



Pin Pitch



Blank Pitch