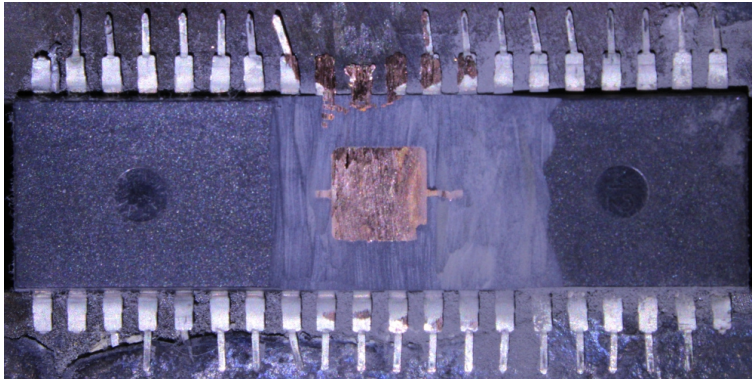
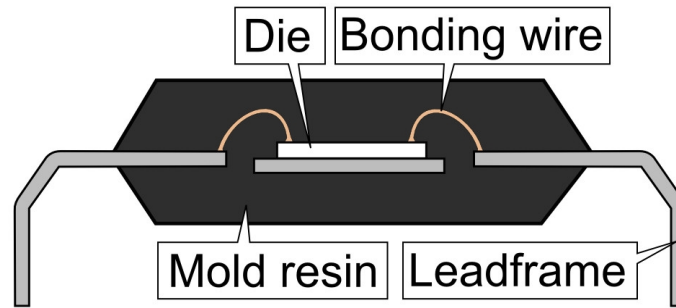
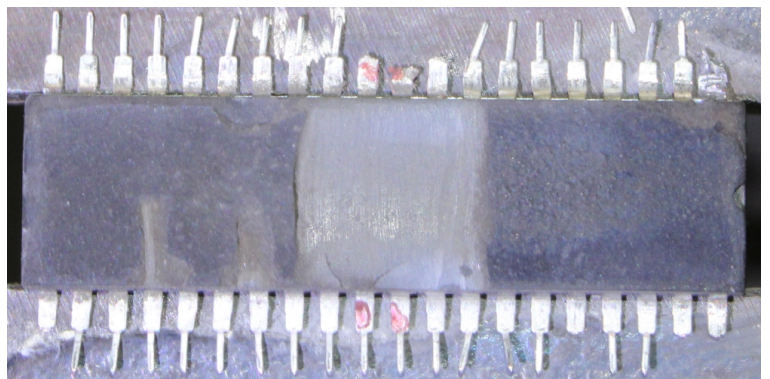


# Decapsulation of Plastic DIP



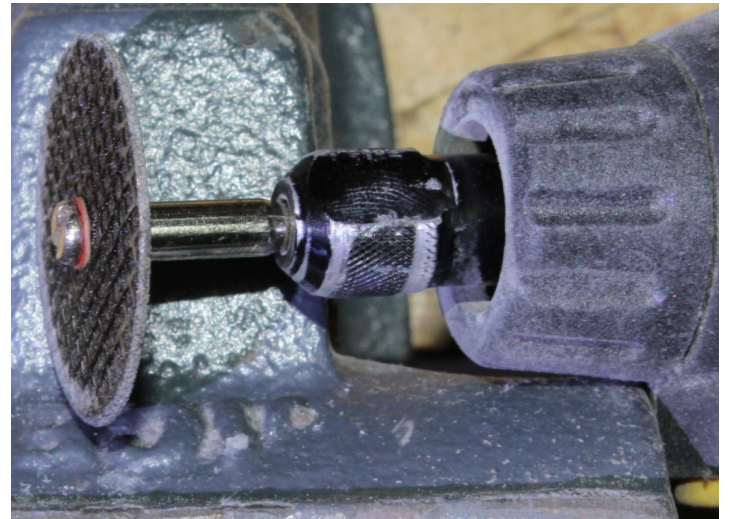
Scrape Plastic Mold away by grinder on Bottom Side until Island is Exposed



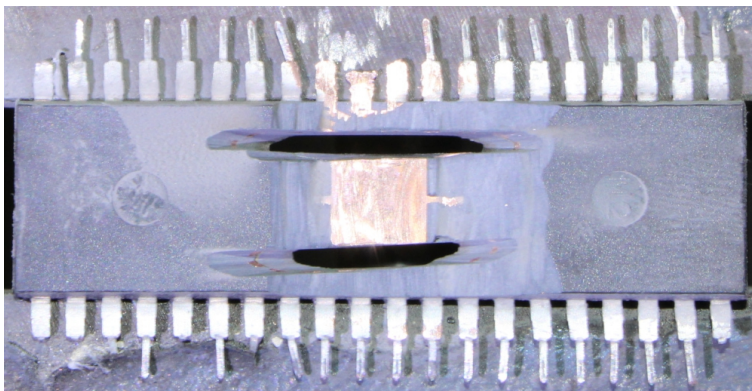
Mark at Center and Scrape Plastic Mold away by grinder on Front Side until Bonding Wires are Exposed



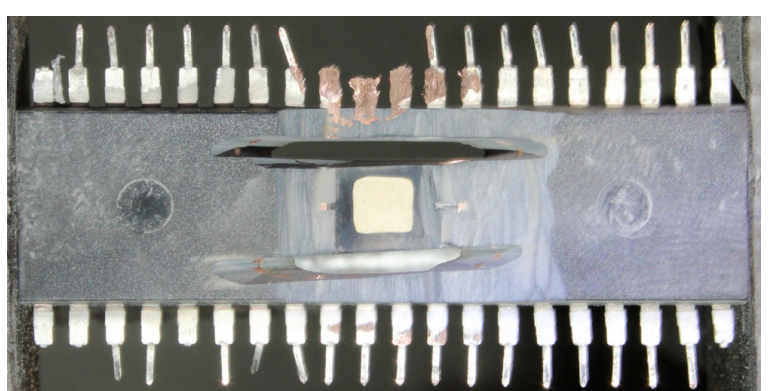
Grinder



Cutter

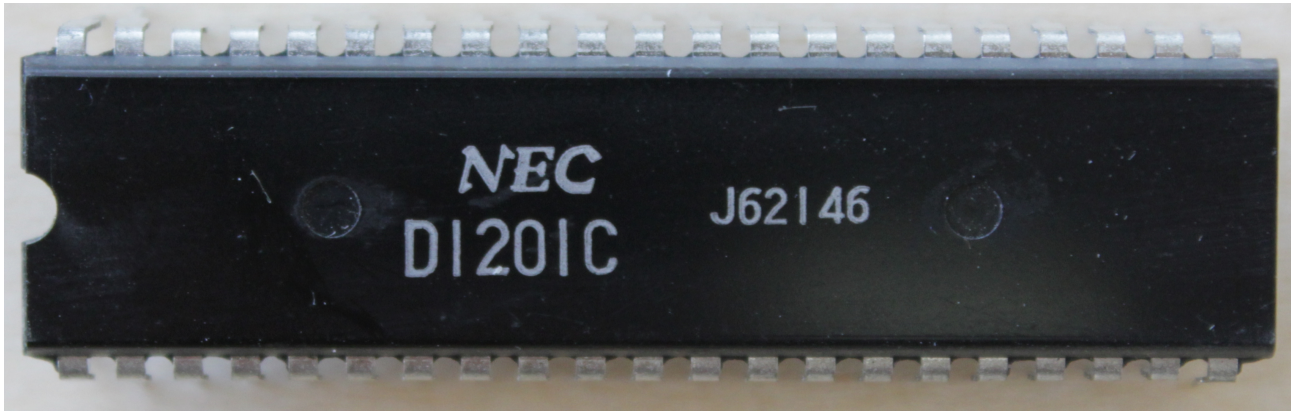


Cut through Upper and Lower Circumference of Island



Remove Island (Bottom Surface of Die is Exposed)

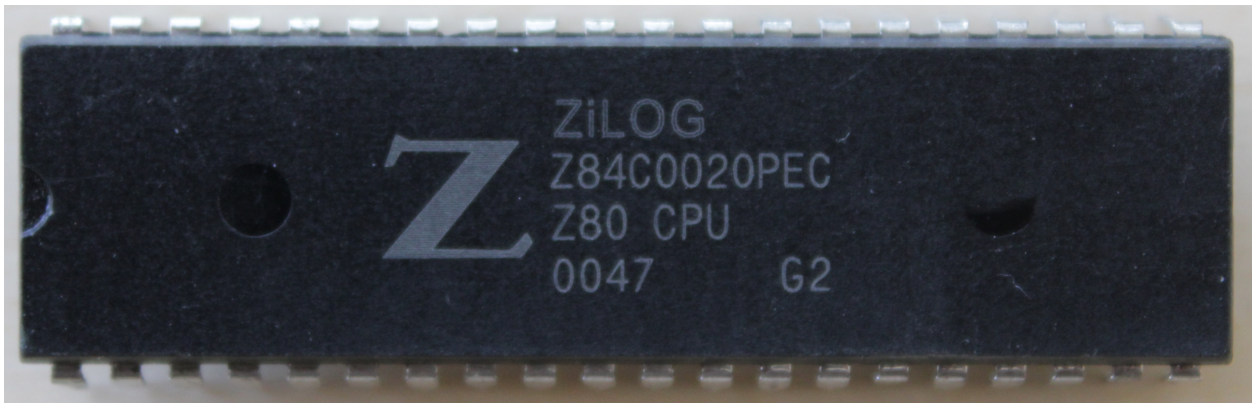




NEC  $\mu$ PD1201C (12 Digits Desk-top Calculator LSI with Printer Control I designed, 42 pins)



NEC  $\mu$ PD777C (Television Game LSI I Designed, 42 pins)



Zilog Z80 (8 bit CPU, 40 pins)

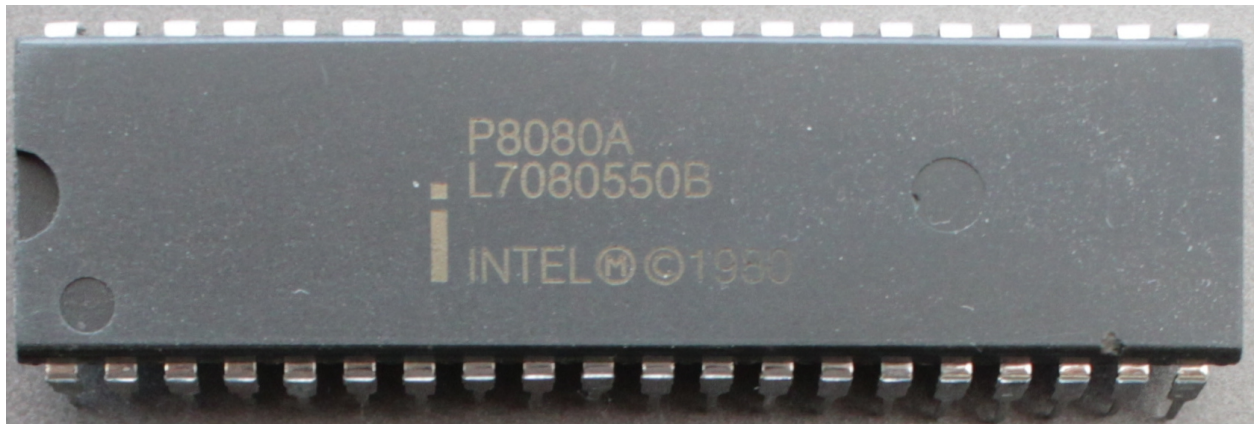


Intel 8086 (16 bit CPU, 40 pins)

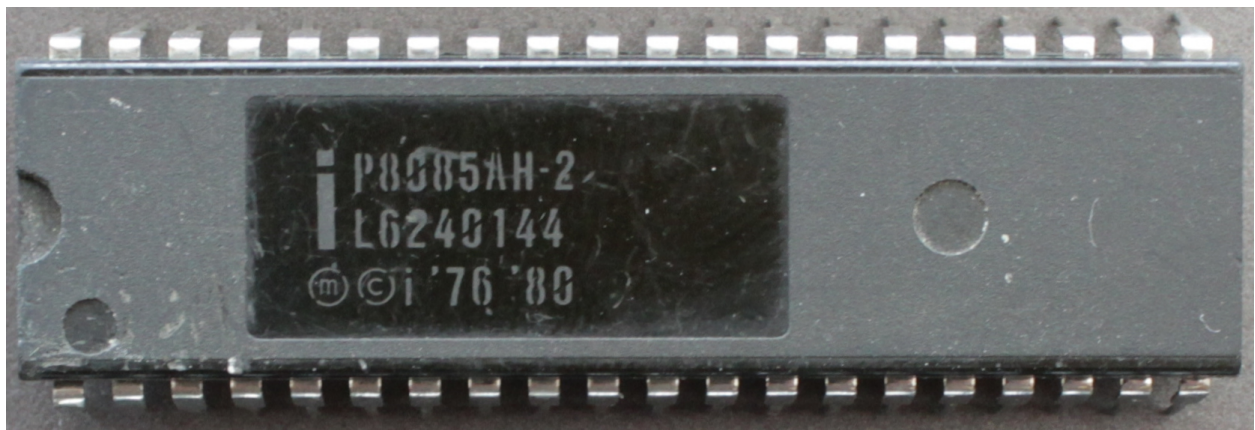




NEC  $\mu$ PD765AC (Floppy Disk Controller, 40 pins)

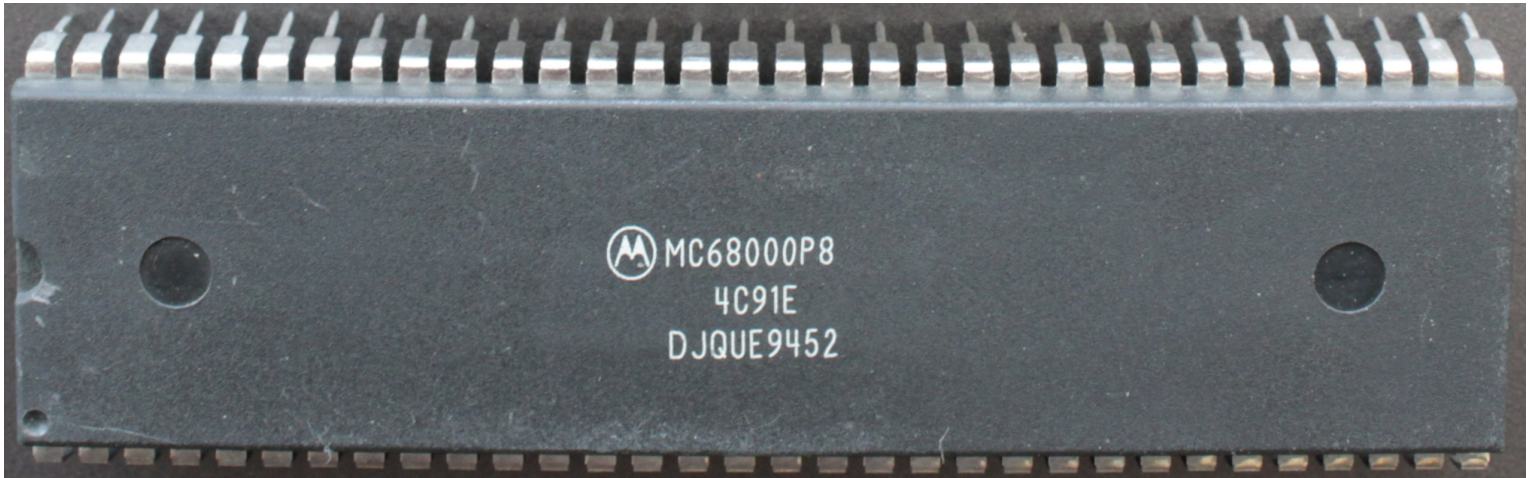


Intel 8080A (8 bit CPU, 40 pin)



Intel 8085A (8 bit CPU, 40 pin)





Motorola 68000 (16 bit CPU, 64 pin)



Ricoh RP2A03 (8 bit CPU for Nintendo Family Computer HVC-001, 40 pin)



Ricoh RP2C02 (Picture Processing Unit for Nintendo Family Computer HVC-001, 40 pin)



Texas Instrument TMS9918A (Video Display Processor for Sprite Control of Television Game, 40 pin)



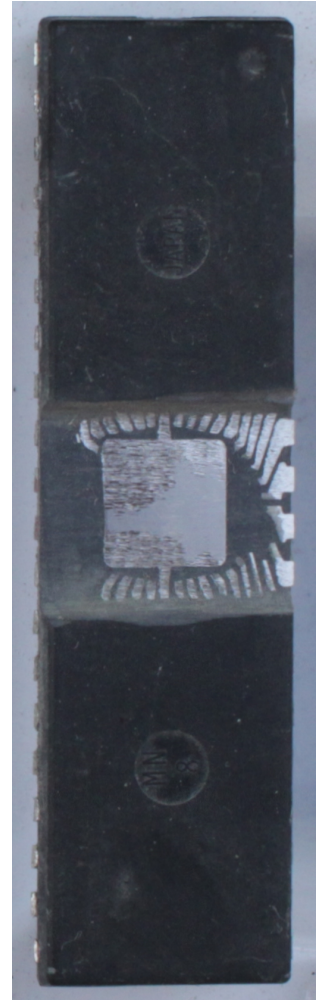
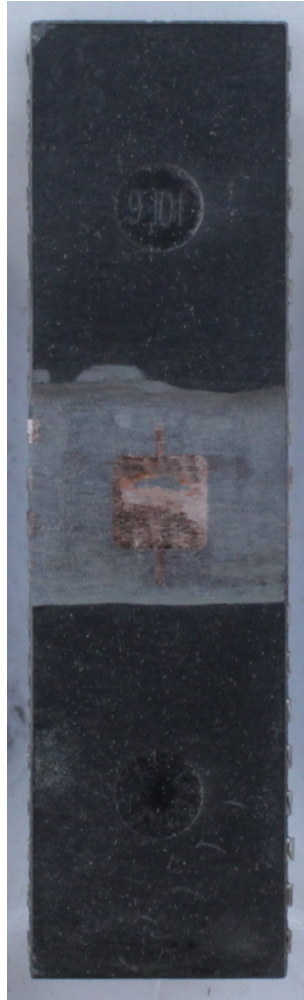
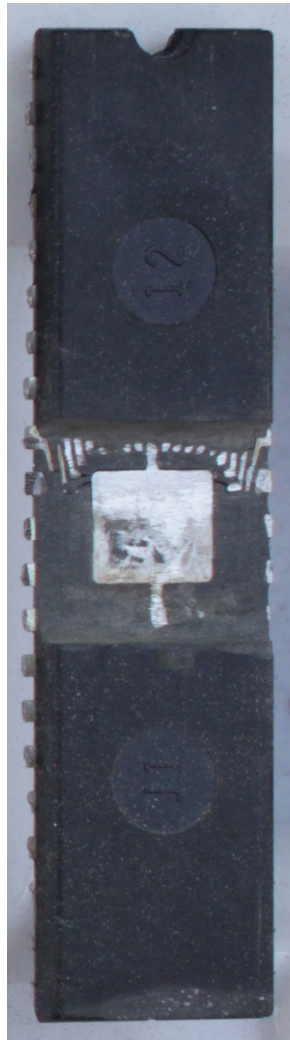


NEC  $\mu$ PD941C (8 Digits Desk-top Calculator LSI with No Memory I designed, 28 pins)



NEC  $\mu$ PD946C (8 Digits Desk-top Calculator LSI with One Memory, 28 pins)





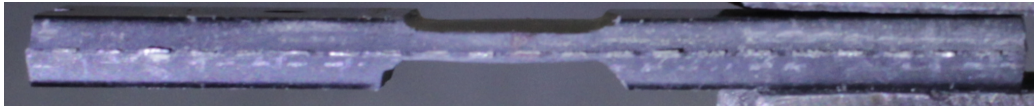
NEC  $\mu$ PD1201C (42 pins)

NEC  $\mu$ PD777C (42 pins)

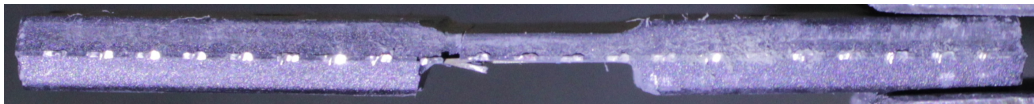
Zilog Z80 (40 pins)

Intel 8086 (40 pins)

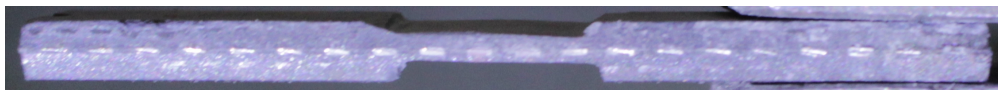
Rear View (Island Exposed by Grinding Plastic)



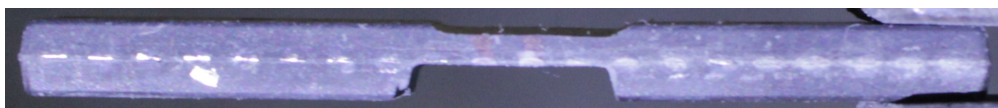
NEC  $\mu$ PD1201C (42 pins)



NEC  $\mu$ PD777C (42 pins)



Zilog Z80 (40 pins)



Intel 8086 (40 pins)

Side View (Both Bottom & Top Plastic around Die are Ground)





NEC  $\mu$ PD1201C



NEC  $\mu$ PD777C (No Island)



Zilog Z80



Intel 8086 (No Island)

Die with Island and Small Amount of Plastic Surrounded



2.5 ml Pipettes, 400 ml Beaker, 15ml Crucible, 1 kW Hot Plate, Half-face Respirator, 70% Nitric Acid, 100% Acetone, Infrared Digital Thermometer, 5 mil Nitrile Gloves