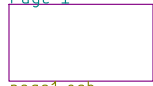
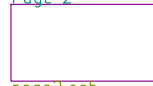


Page 1



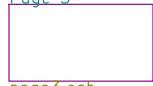
page1.sch

Page 2



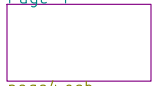
page2.sch

Page 3



page3.sch

Page 4



page4.sch

Page 5



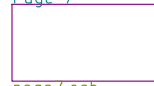
page5.sch

Page 6



page6.sch

Page 7



page7.sch

Page 8



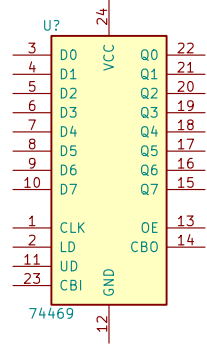
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Page 9

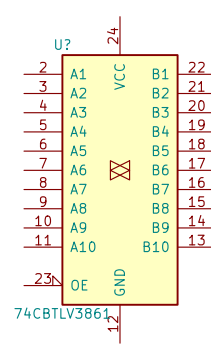


page9.sch

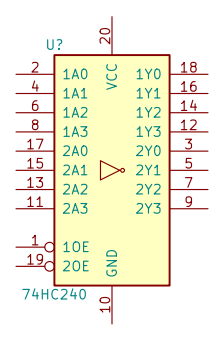
74469



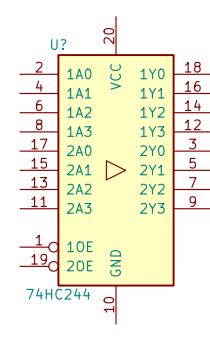
74CBTLV3861



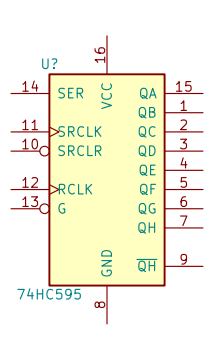
74HC240



74HC244



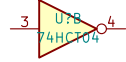
74HC595



74HCT04



Unit A



Unit B



Unit C



Unit D



Unit E

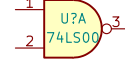


Unit F

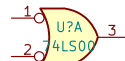


Unit G

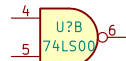
74LS00



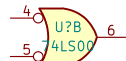
Unit A



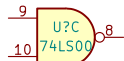
Unit A (alternate)



Unit B



Unit B (alternate)



Unit C



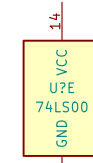
Unit C (alternate)



Unit D



Unit D (alternate)

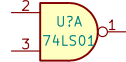


Unit E

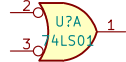


Unit E (alternate)

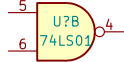
74LS01



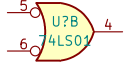
Unit A



Unit A (alternate)



Unit B



Unit B (alternate)



Unit C



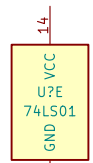
Unit C (alternate)



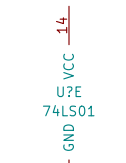
Unit D



Unit D (alternate)

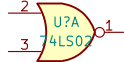


Unit E

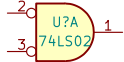


Unit E (alternate)

74LS02



Unit A



Unit A (alternate)



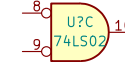
Unit B



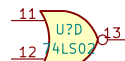
Unit B (alternate)



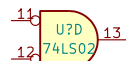
Unit C



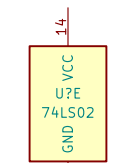
Unit C (alternate)



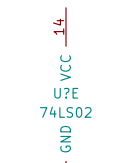
Unit D



Unit D (alternate)



Unit E



Unit E (alternate)

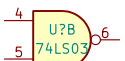
74LS03



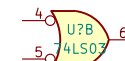
Unit A



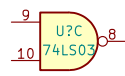
Unit A (alternate)



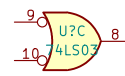
Unit B



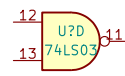
Unit B (alternate)



Unit C



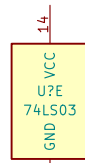
Unit C (alternate)



Unit D



Unit D (alternate)

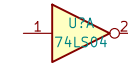


Unit E

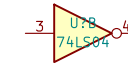


Unit E (alternate)

74LS04



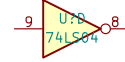
Unit A



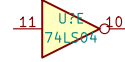
Unit B



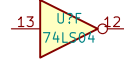
Unit C



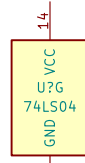
Unit D



Unit E

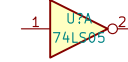


Unit F



Unit G

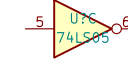
74LS05



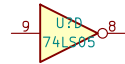
Unit A



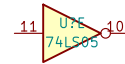
Unit B



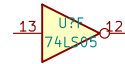
Unit C



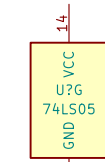
Unit D



Unit E

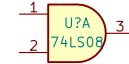


Unit F

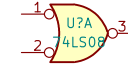


Unit G

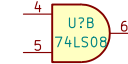
74LS08



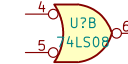
Unit A



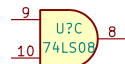
Unit A (alternate)



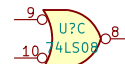
Unit B



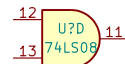
Unit B (alternate)



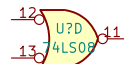
Unit C



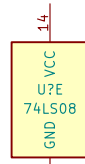
Unit C (alternate)



Unit D



Unit D (alternate)

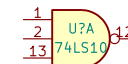


Unit E

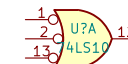


Unit E (alternate)

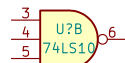
74LS10



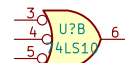
Unit A



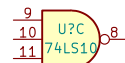
Unit A (alternate)



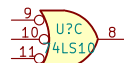
Unit B



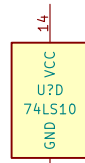
Unit B (alternate)



Unit C



Unit C (alternate)

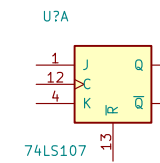


Unit D

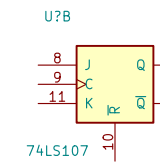


Unit D (alternate)

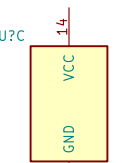
74LS107



Unit A

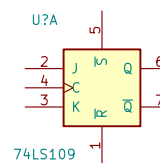


Unit B

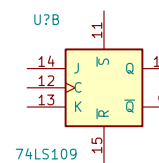


Unit C

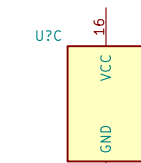
74LS109



Unit A

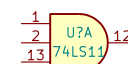


Unit B

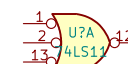


Unit C

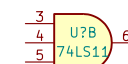
74LS11



Unit A



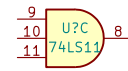
Unit A (alternate)



Unit B



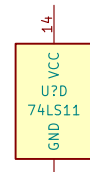
Unit B (alternate)



Unit C



Unit C (alternate)

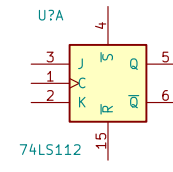


Unit D

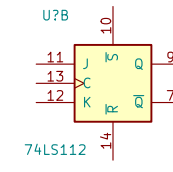


Unit D (alternate)

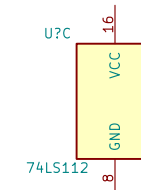
74LS112



Unit A

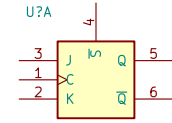


Unit B

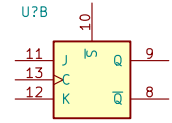


Unit C

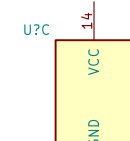
74LS113



Unit A

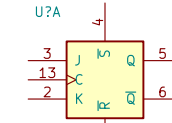


Unit B

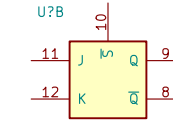


Unit C

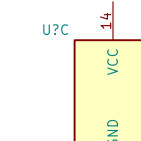
74LS114



Unit A

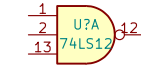


Unit B

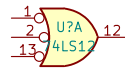


Unit C

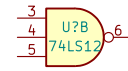
74LS12



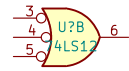
Unit A



Unit A (alternate)



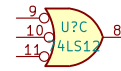
Unit B



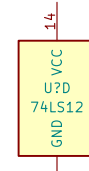
Unit B (alternate)



Unit C



Unit C (alternate)

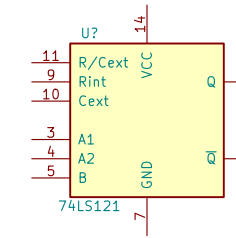


Unit D

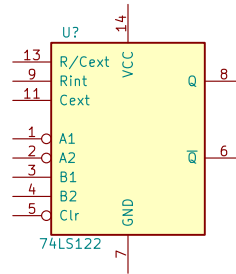


Unit D (alternate)

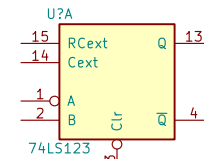
74LS121



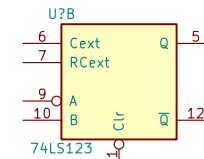
74LS122



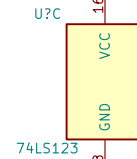
74LS123



Unit A

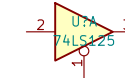


Unit B

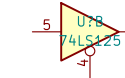


Unit C

74LS125

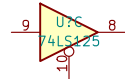


Unit A

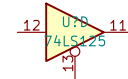


Unit B

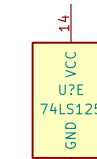
74LS126



Unit C



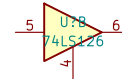
Unit D



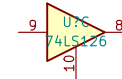
Unit E



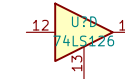
Unit A



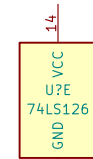
Unit B



Unit C

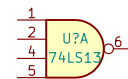


Unit D

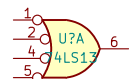


Unit E

74LS13



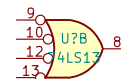
Unit A



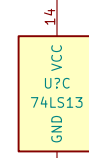
Unit A (alternate)



Unit B



Unit B (alternate)

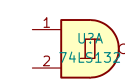


Unit C

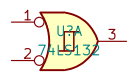


Unit C (alternate)

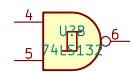
74LS132



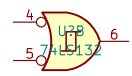
Unit A



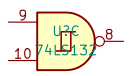
Unit A (alternate)



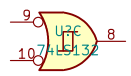
Unit B



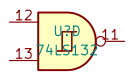
Unit B (alternate)



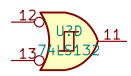
Unit C



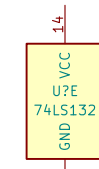
Unit C (alternate)



Unit D



Unit D (alternate)

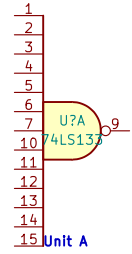


Unit E

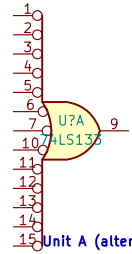


Unit E (alternate)

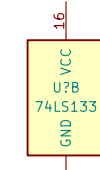
74LS133



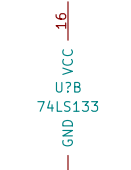
Unit A



Unit A (alternate)

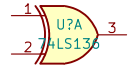


Unit B

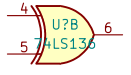


Unit B (alternate)

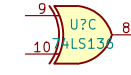
74LS136



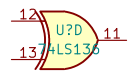
Unit A



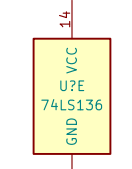
Unit B



Unit C

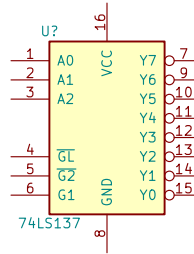


Unit D

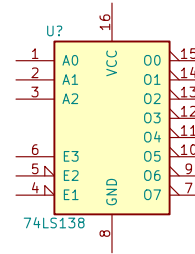


Unit E

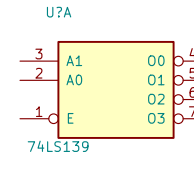
74LS137



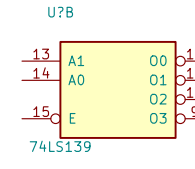
74LS138



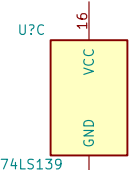
74LS139



Unit A

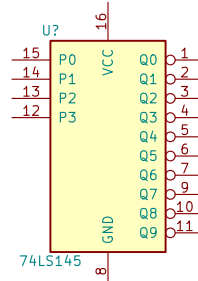


Unit B

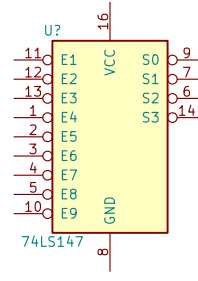


Unit C

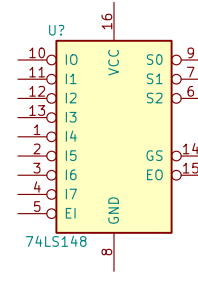
74LS145



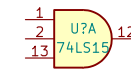
74LS147



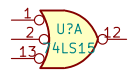
74LS148



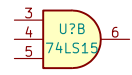
74LS15



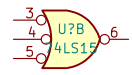
Unit A



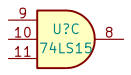
Unit A (alternate)



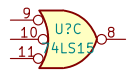
Unit B



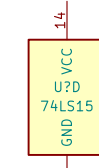
Unit B (alternate)



Unit C



Unit C (alternate)

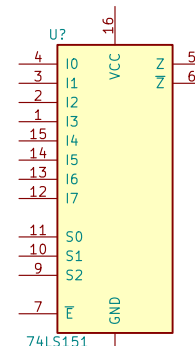


Unit D

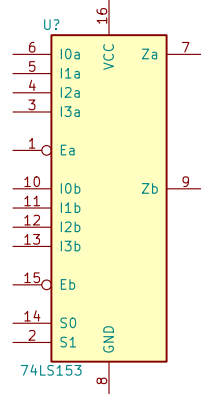


Unit D (alternate)

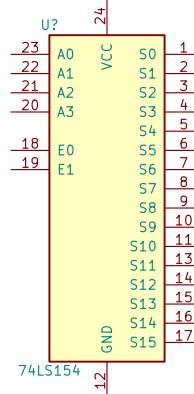
74LS151



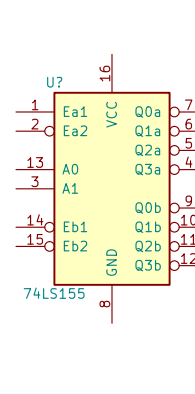
74LS153



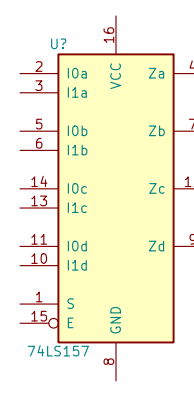
74LS154



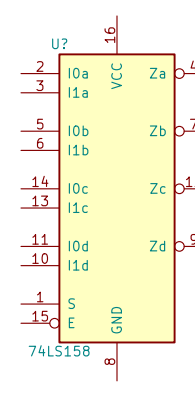
74LS155



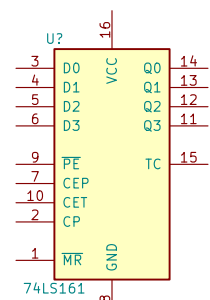
74LS157



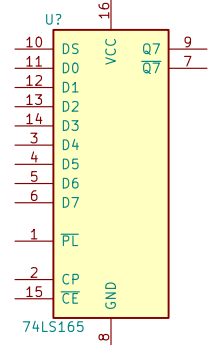
74LS158



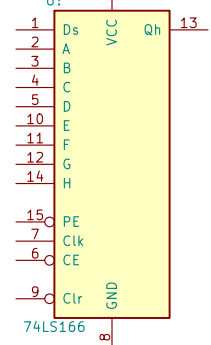
74LS161



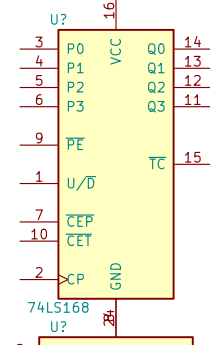
74LS165



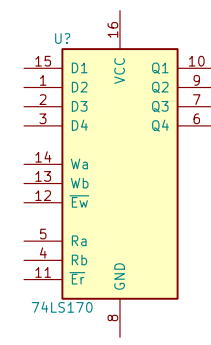
74LS166



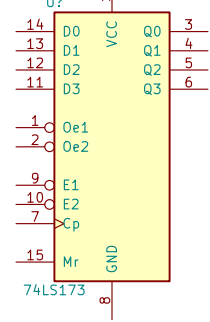
74LS168



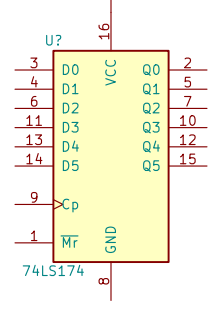
74LS170



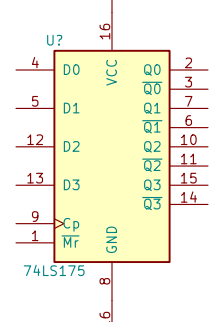
74LS173



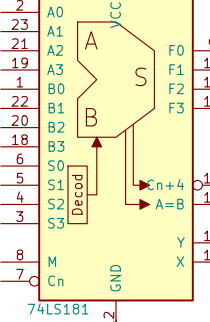
74LS174



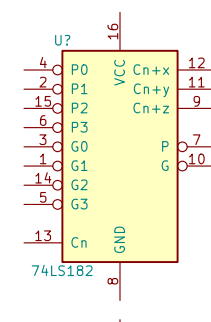
74LS175



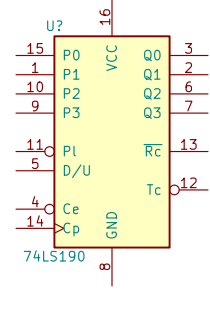
74LS181



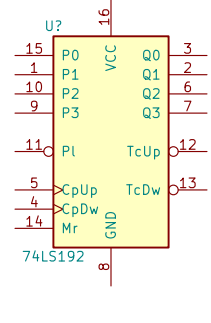
74LS182



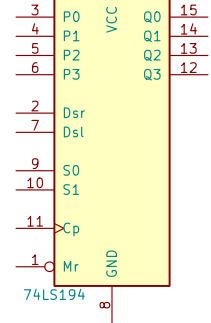
74LS190



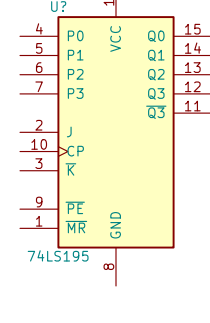
74LS192



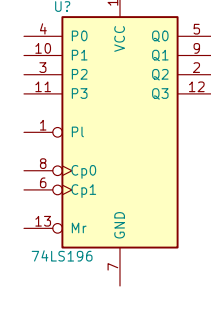
74LS194



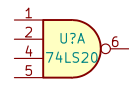
74LS195



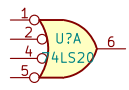
74LS196



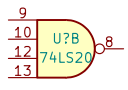
74LS20



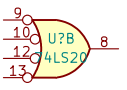
Unit A



Unit A (alternate)



Unit B



Unit B (alternate)

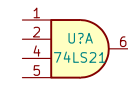


Unit C

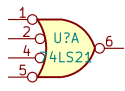


Unit C (alternate)

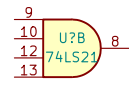
74LS21



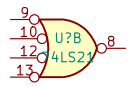
Unit A



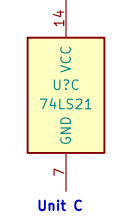
Unit A (alternate)



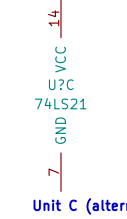
Unit B



Unit B (alternate)

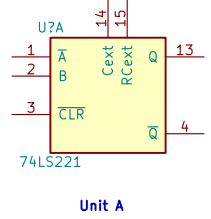


Unit C

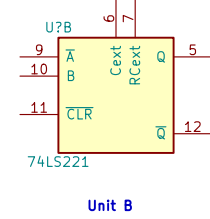


Unit C (alternate)

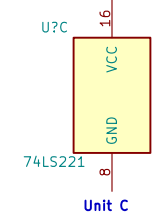
74LS221



Unit A

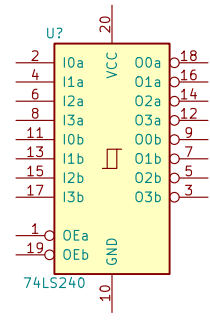


Unit B

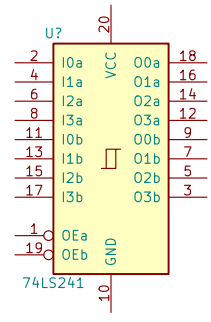


Unit C

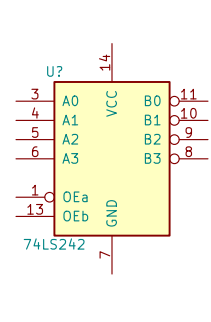
74LS240



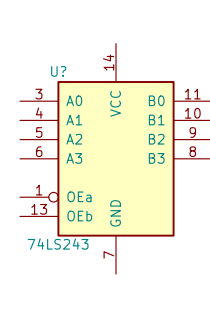
74LS241



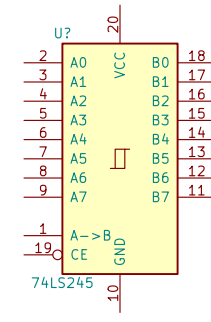
74LS242



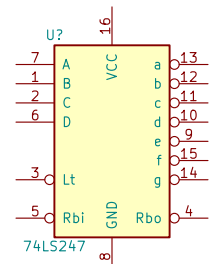
74LS243



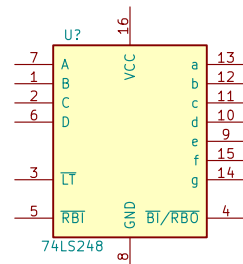
74LS245



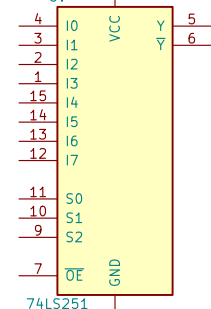
74LS247



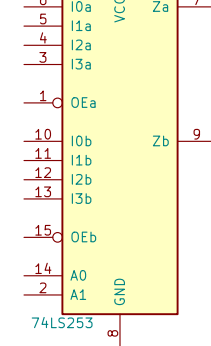
74LS248



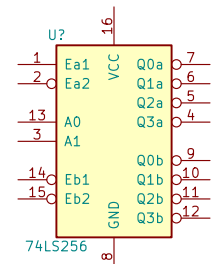
74LS251



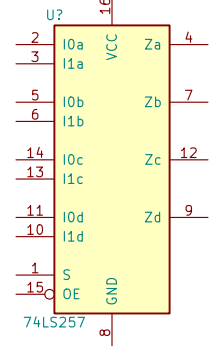
74LS253



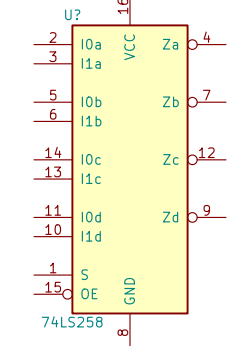
74LS256



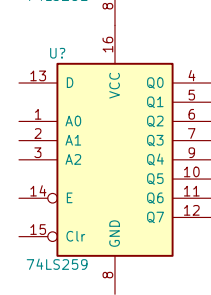
74LS257



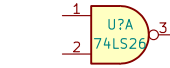
74LS258



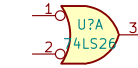
74LS259



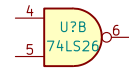
74LS26



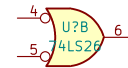
Unit A



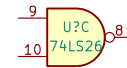
Unit A (alternate)



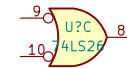
Unit B



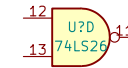
Unit B (alternate)



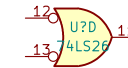
Unit C



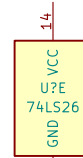
Unit C (alternate)



Unit D



Unit D (alternate)

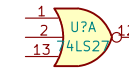


Unit E



Unit E (alternate)

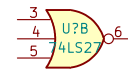
74LS27



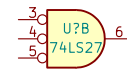
Unit A



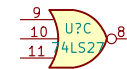
Unit A (alternate)



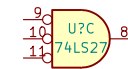
Unit B



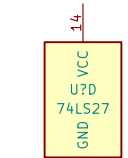
Unit B (alternate)



Unit C



Unit C (alternate)

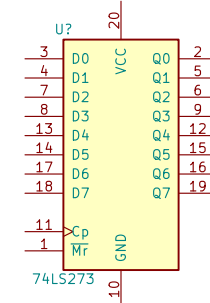


Unit D

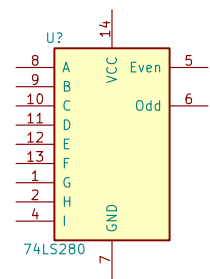


Unit D (alternate)

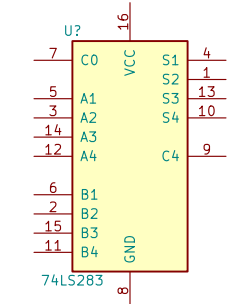
74LS273



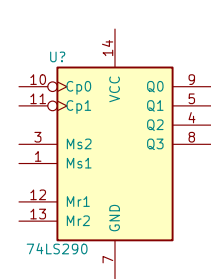
74LS280



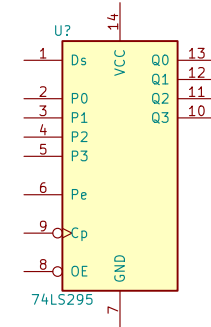
74LS283



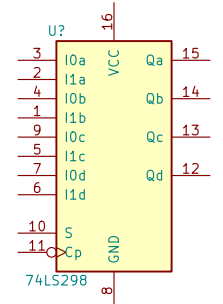
74LS290



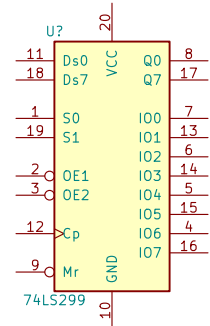
74LS295



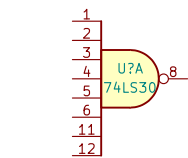
74LS298



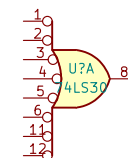
74LS299



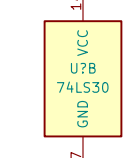
74LS30



Unit A



Unit A (alternate)

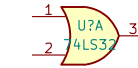


Unit B

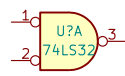


Unit B (alternate)

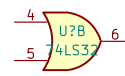
74LS32



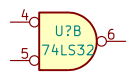
Unit A



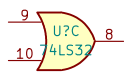
Unit A (alternate)



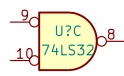
Unit B



Unit B (alternate)



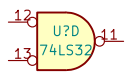
Unit C



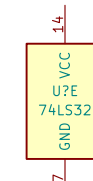
Unit C (alternate)



Unit D



Unit D (alternate)

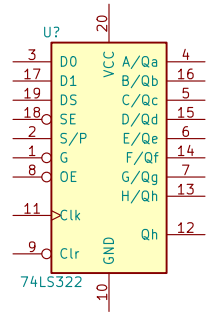


Unit E

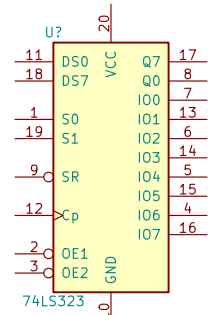


Unit E (alternate)

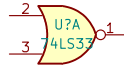
74LS322



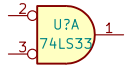
74LS323



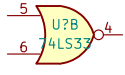
74LS33



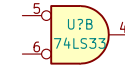
Unit A



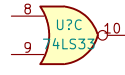
Unit A (alternate)



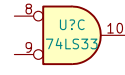
Unit B



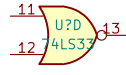
Unit B (alternate)



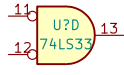
Unit C



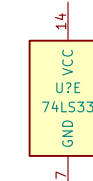
Unit C (alternate)



Unit D



Unit D (alternate)

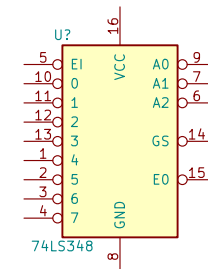


Unit E

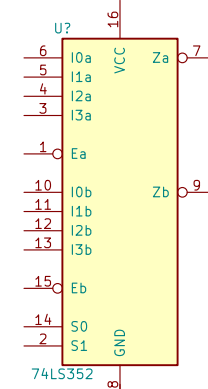


Unit E (alternate)

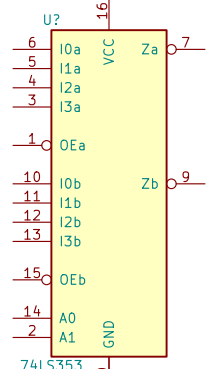
74LS348



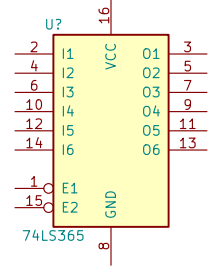
74LS352



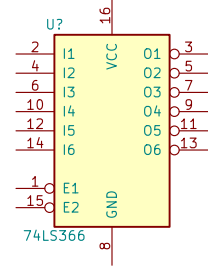
74LS353



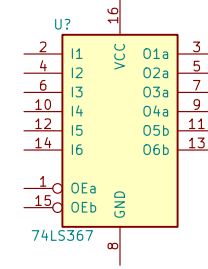
74LS365



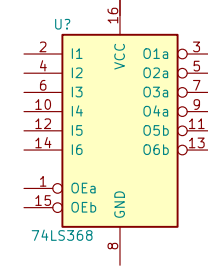
74LS366



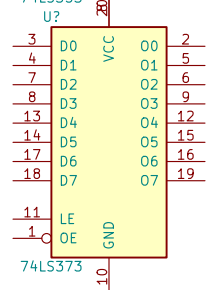
74LS367



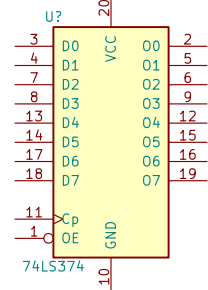
74LS368



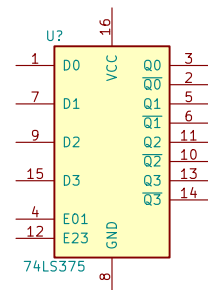
74LS373



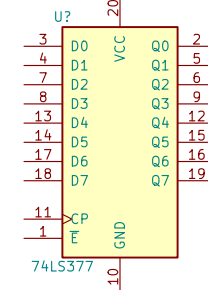
74LS374



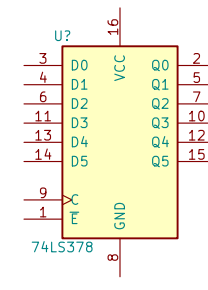
74LS375



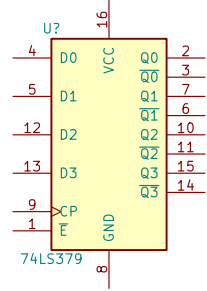
74LS377



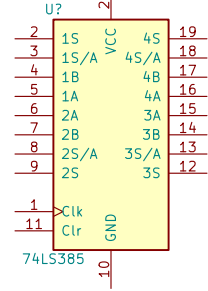
74LS378



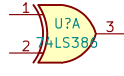
74LS379



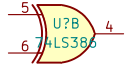
74LS385



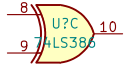
74LS386



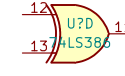
Unit A



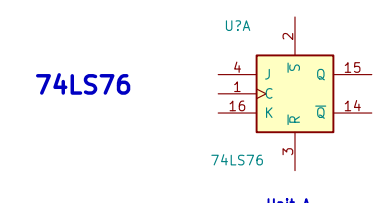
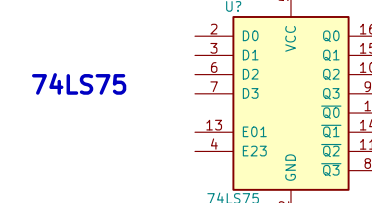
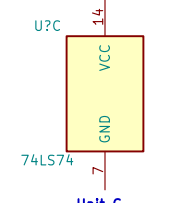
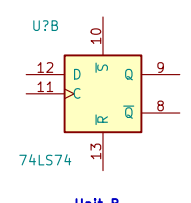
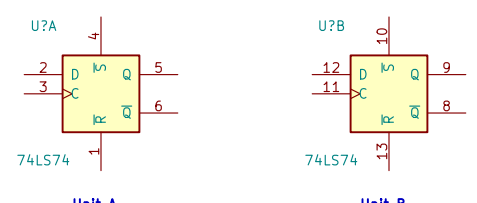
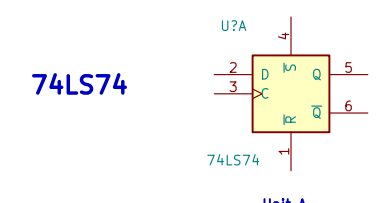
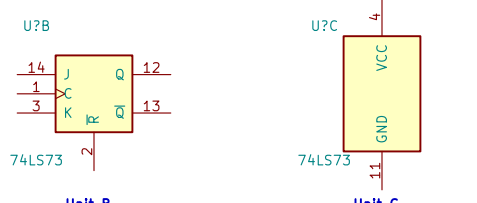
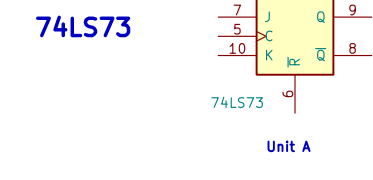
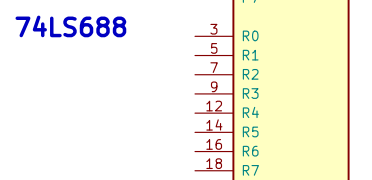
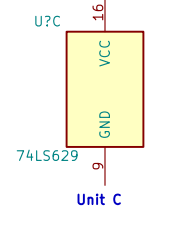
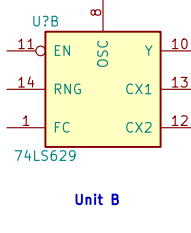
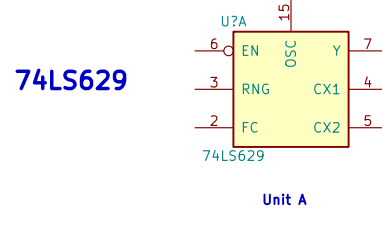
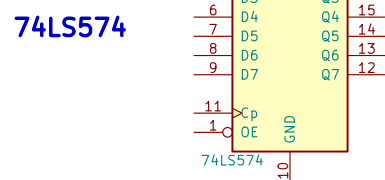
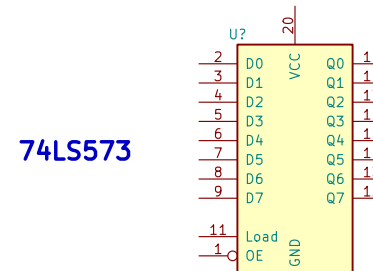
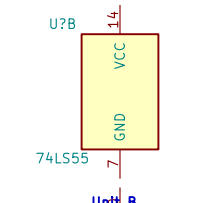
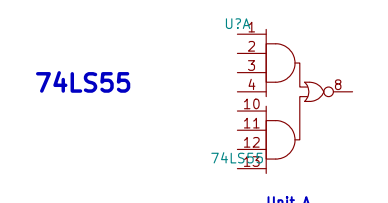
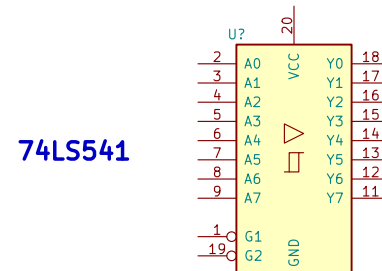
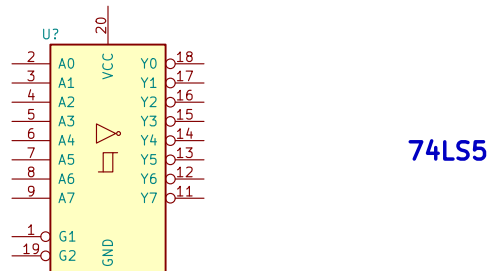
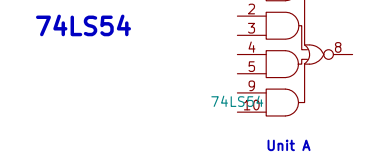
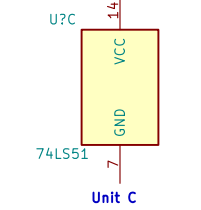
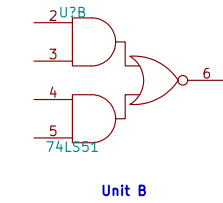
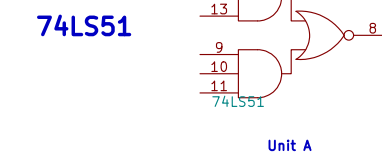
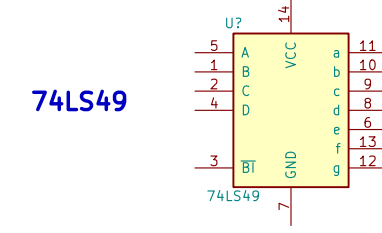
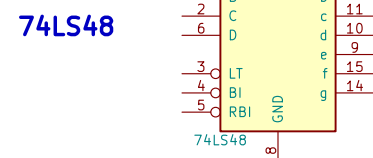
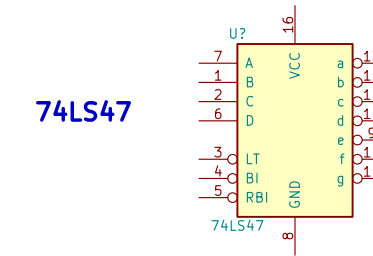
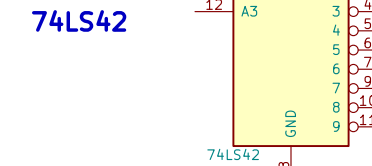
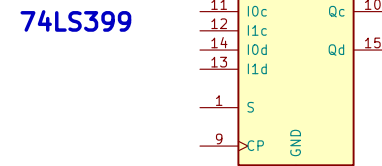
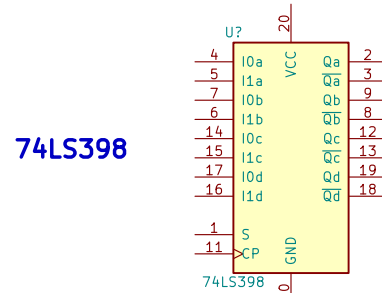
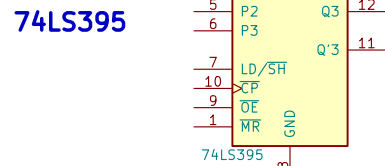
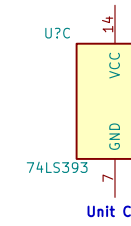
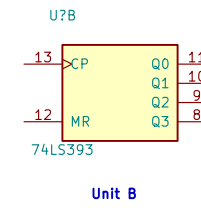
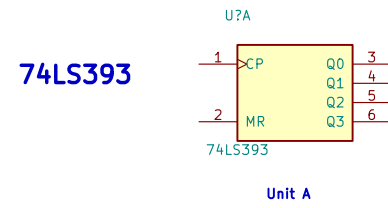
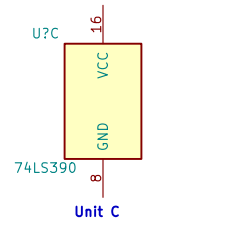
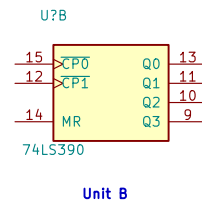
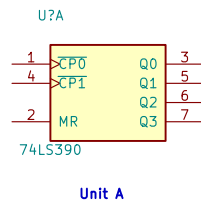
Unit B

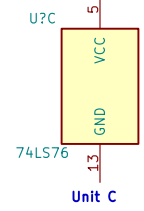
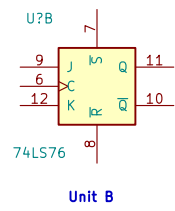


Unit C

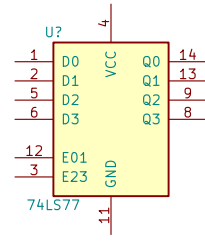


Unit D

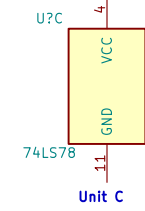
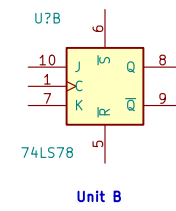
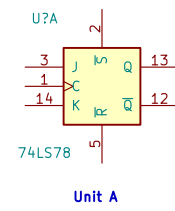




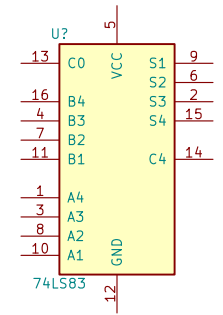
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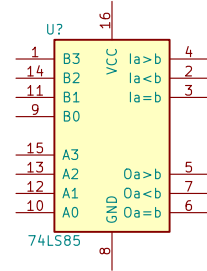
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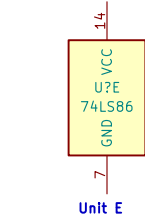
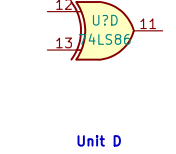
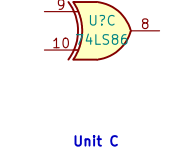
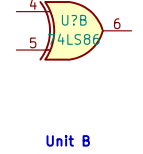
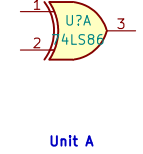
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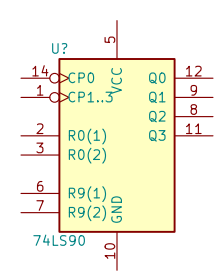
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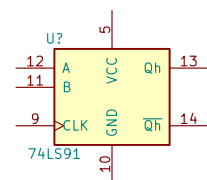
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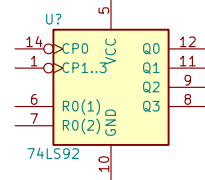
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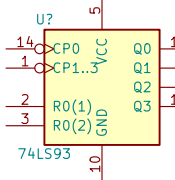
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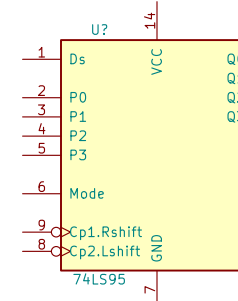
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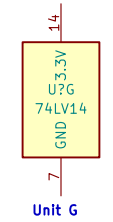
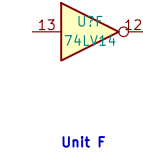
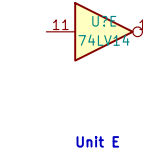
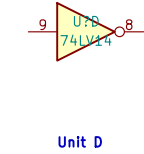
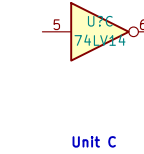
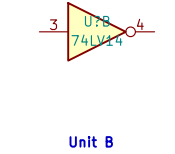
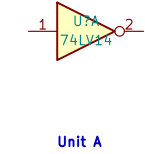
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74LS95



74LV14



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