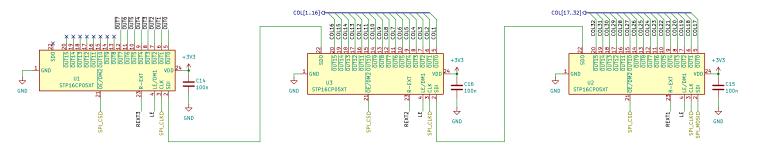
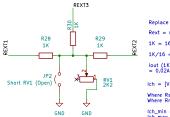


Cascade Direction Last (in chain) <--- First (in chain)





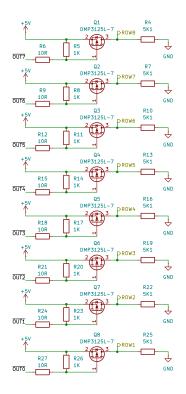


Replace 16 w/ 64 for STP04CM05 device (not used)

Rext = (Vref/lout) * 16 1K = 16(1.25/lout) 1K/16 = 1.25/loutlout (1K/16) = 1.25 ---> lout = 16(1.25/1K)= 0.02A ---> 20mA

| 1.02x ---> 20link | 1ch = [Vref - 3(Vref*Rreg)/((3 * Rreg) + Rset)]*16/Rset

lch_min = 0.00263157894736 A --> 2.6 mA (minumum) lch_max = 19.9mA (for RV1 = 1 ohm)



STP16CP05 based cascaded LED matrices			
Sheet: /LED DRIVING/			
File: LED_DRIVING.kicad_sch			
Title: 8x32 LED Matrix			
Size: A3	Date: 2024-11-22	Rev: v02	
KiCad F.D.A. 8.0	.6	Id: 5/7	

