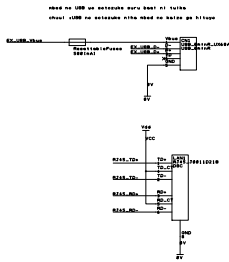
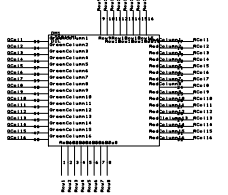
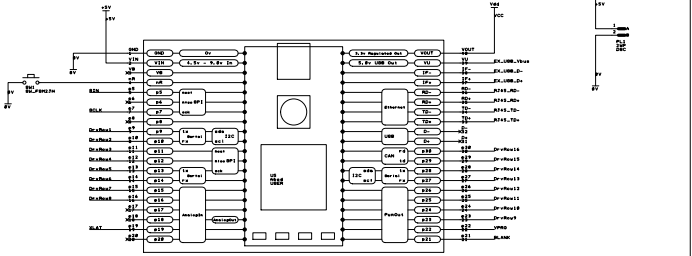


E	D	C	B	A	Drawn	Check	Projection Do Not Scale		
Drn	Drn	Drn	Drn	Project 16×16 dot matrix clock			Client		
Chk	Chk	Chk	Chk	Title extention USB. Ethernet			Filename	Drawing No.	Sheet of

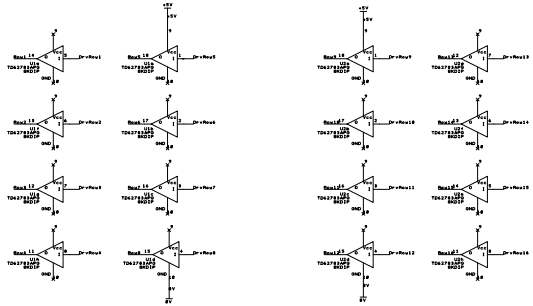


SHARP LT5016M1
http://akizukidenshi.com/catalog/g/gI-00039/

E	D	C	B	A	Drawn	Check	Projection Do Not Scale		
Drn	Drn	Drn	Drn	Project 16×16 dot matrix clock			Client		
Chk	Chk	Chk	Chk	Title LT5016M1 16×16 dot matrix led module(red & green led)			Filename	Drawing No.	Sheet of

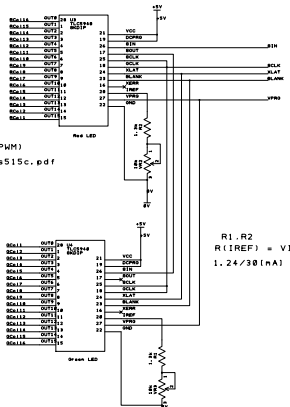


E	D	C	B	A	Drawn	Check	Projection Do Not Scale		
Drn	Drn	Drn	Drn	Project 16×16 dot matrix clock			Client		
Chk	Chk	Chk	Chk	Title mbed			Filename	Drawing No.	Sheet of



TD62783APG (8CH HIGH-VOLTAGE SOURCE DRIVER)
http://www.datasheetcatalog.org/datasheet/toshiba/3977.pdf

E	D	C	B	A	Drawn	Check	Projection Do Not Scale		
Drn	Drn	Drn	Drn	Project 16×16 dot matrix clock			Client		
Chk	Chk	Chk	Chk	Title TD62783APG Row driver			Filename	Drawing No.	Sheet of



TLC5940 (16CH LED DRIVER 4096GRAYSCALE PWM)
http://focus.ti.com/lit/ds/slvs515c/slvs515c.pdf

R1.R2
R(IREF) = VIREF/Imax * 31.5
1.24/30(mA) *31.5 = 1300

E	D	C	B	A	Drawn	Check	Projection Do Not Scale		
Drn	Drn	Drn	Drn	Project 16×16 dot matrix clock			Client		
Chk	Chk	Chk	Chk	Title TLC5940 (Column driver)			Filename	Drawing No.	Sheet of