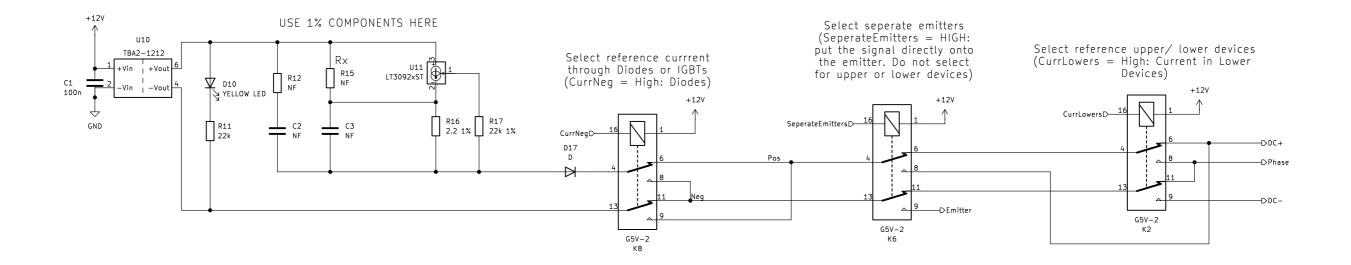


Set Output Current
Isource = 10uA\*Rset/Rout
Rset = 100mA/10uA\*2.2 = 22k
Supply
12V TBA used as can supply 165mA and 5.6V required.

LED: |f = 12/1k = 12mA



Low Current Source

Nidec Drives

Sheet: /Low Current/V 100mA/
File: LowCurrSource.kicad\_sch

Title: GAVIM V4 TEST 137

Size: A3 Date: 2024-06-25 Rev: 04.02

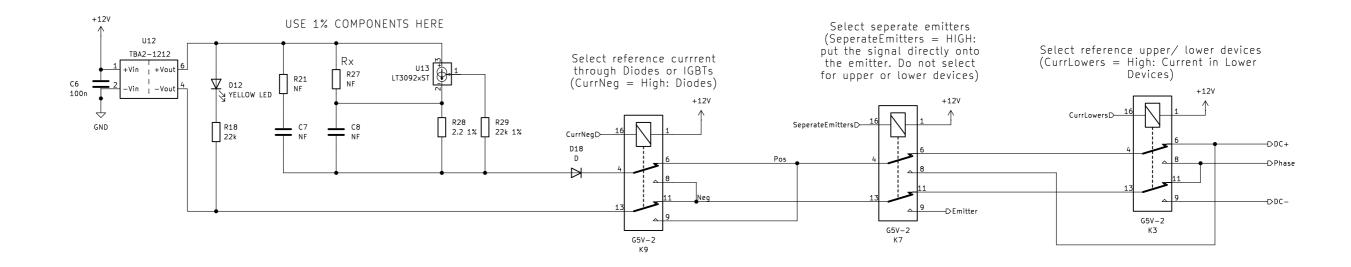
KiCad E.D.A. 8.0.4

Set Output Current
Isource = 10uA\*Rset/Rout
Rset = 100mA/10uA\*2.2 = 22k

Supply
12V TBA used as can supply 165mA and 5.6V required.

\_ED:

If = 12/1k = 12mA



Low Current Source

Nidec Drives

Sheet: /Low Current/W 100mA/
File: LowCurrSource.kicad\_sch

Title: GAVIM V4 TEST 137

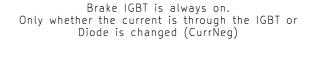
Size: A3 Date: 2024-06-25 Rev: 04.02
KiCad E.D.A. 8.0.4 Id: 3/8

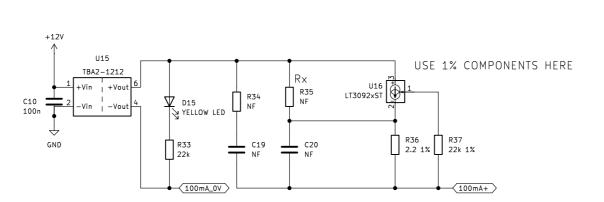
Set Output Current |source = 10uA\*Rset/Rout |Rset = 100mA/10uA\*2.2 = 22k

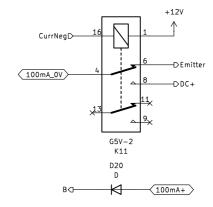
Supply 12V TBA used as can supply 165mA and 5.6V required.

LED:

If = 12/1k = 12mA

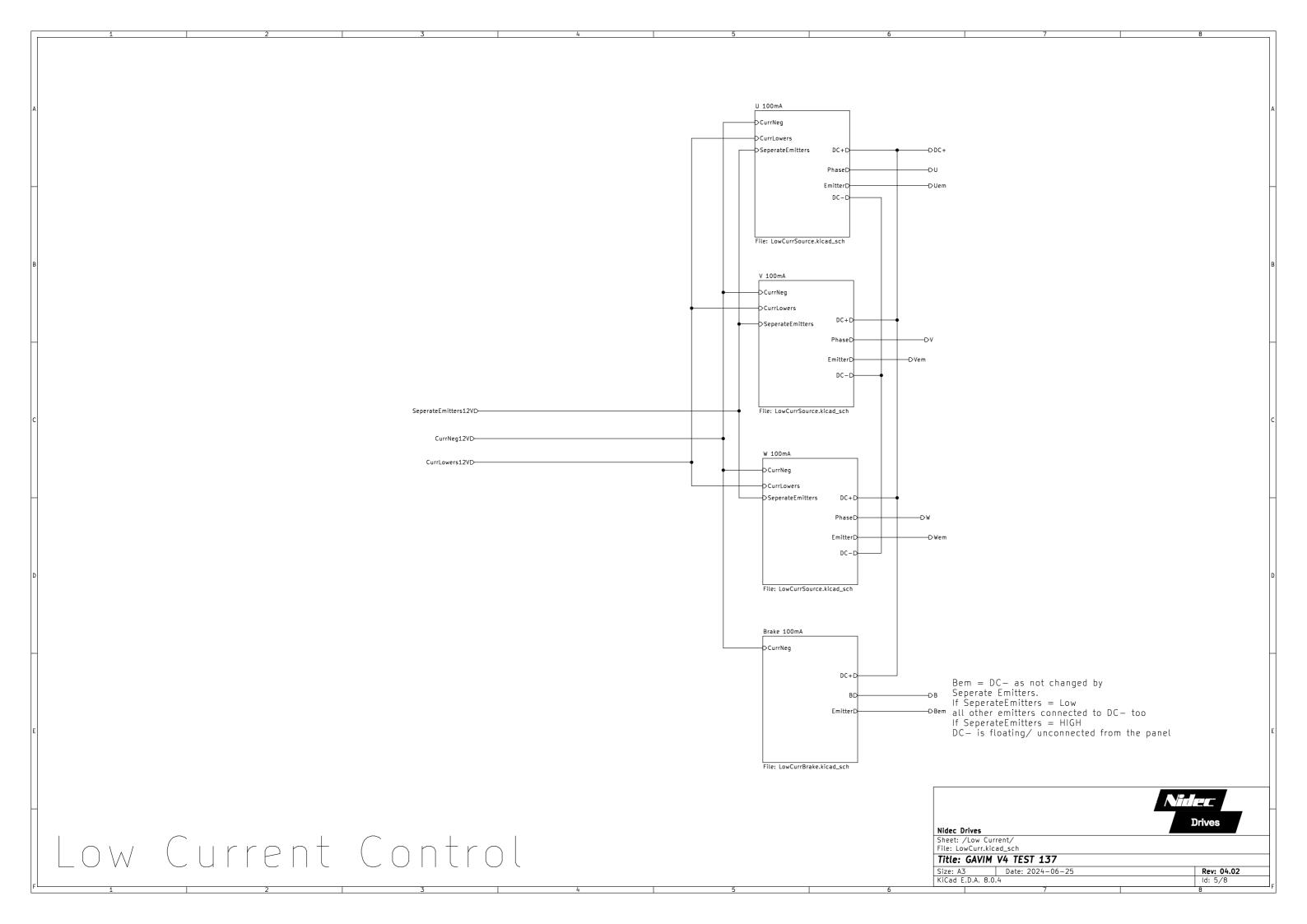




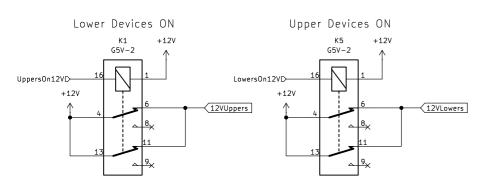


Low Current Source

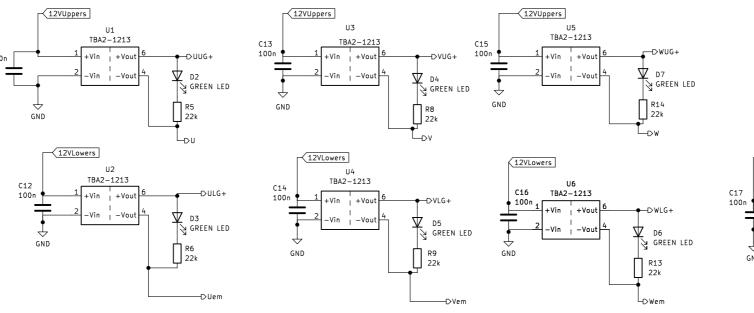
lidec Drives		<b>Nide</b> Drives	
heet: /Low Cur ile: LowCurrBra	rent/Brake 100mA/ ke.kicad_sch		
itle: GAVIM	V4 TEST 137		
ize: A3	Date: 2024-06-25		Rev: 04.02
iCad E.D.A. 8.0	.4		ld: 4/8
	7		` ^

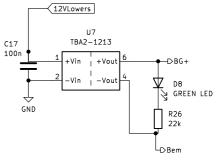


G5V-2 2A through contact. This is enough for 3 TBA2.



## Gate Drivers





DC Supplies

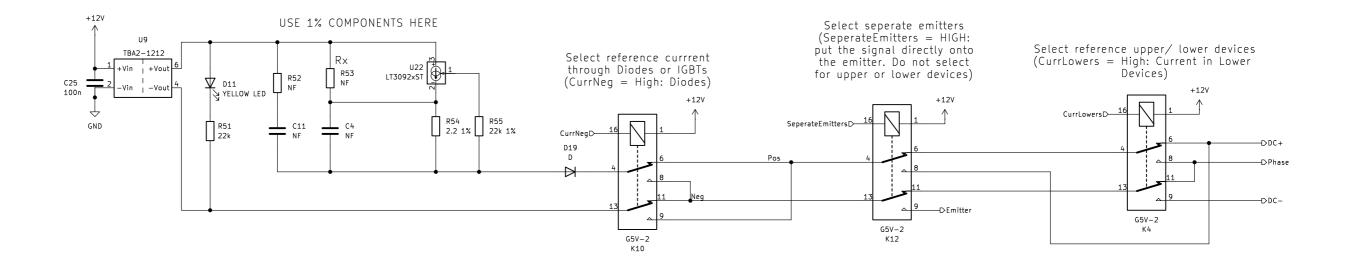
Nidec Drives		Drives
Sheet: /DC Sup Tile: DCSupp.kio		
Title: GAVIM	V4 TEST 137	
Size: A3	Date: 2024-06-25	Rev: 04.02
(iCad E.D.A. 8.0	0.4	ld: 6/8
	7	8

Set Output Current Isource = 10uA\*Rset/Rout Rset = 100mA/10uA\*2.2 = 22k Supply

Supply 12V TBA used as can supply 165mA and 5.6V required.

LED:

If = 12/1k = 12mA



Low Current Source

Nidec Drives

Sheet: /Low Current/U 100mA/
File: LowCurrSource.kicad\_sch

Title: GAVIM V4 TEST 137

Size: A3 Date: 2024-06-25 Rev: 04.02
KiCad E.D.A. 8.0.4 Id: 9/8

