

<https://www.diyaudio.com/community/threads/dartzeel-amp-schematic-build-this.134362/page-116#post-7780461>

Forget about the dynamic CCS. Do not use any depletion mosfet as a CCS, leave them original.

Do not use the MJE150xx. Look at my post #2107 2nd schematic for the BJTs you can use. Disregard the rest of the schematic and the other schematics.

transistor	number	manufact.		VBE (V)	ft	Cob	case	where to buy
IPS								
T1,T4	2N5401 (hfe 60-240)	diotec	PNP	160	100-400MHz	6pF	T0-92	digikey
T2,T3	2N5551 (hfe 60-240)	diotec	NPN	160	100-300MHz	6pF	T0-92	digikey
T5	TTC004B-Q	Toshiba	NPN	160	100MHz	12pF	TO126N	digikey
T6	TTA004B-Q	Toshiba	PNP	160	100MHz	17pF	TO126N	digikey
Vbe multiplier								
T7	MJE340	STMicroelectronic	NPN	300V	x	x	SOT-32	digikey
T9	MJE350	STMicroelectronic	PNP	300V	x	x	SOT-33	digikey
VAS-Parago Follower								
T10, T14	2SC4883A	SANKEN	NPN	200	120MHz	30pF	TO220-F	obsolete
	2SC4382	SANKEN	NPN	200	15Mhz	35pF	TO220-F	digikey
	2SC4382	iscsemi	NPN	200	15Mhz	35pF	TO220-F	reichelt
	MJF15030G	Onsemi	NPN	150	30Mhz	40pF	TO220-F	digikey
T13, T8	2SA1859	SANKEN	PNP	-180	60MHz	30pF	TO220-F	obsolete
	2SA1667	Sanken	PNP	-150	20Mhz	60pF	TO220-F	digikey
	2SA1668	Sanken	PNP	-200	20Mhz	60pF	TO220-F	digikey
	2SA1667	iscsemi	PNP	-150	20Mhz	60pF	TO220-F	reichelt
	2SA1668	iscsemi	PNP	-200	20Mhz	60pF	TO220-F	reichelt
	MJF15031G	Onsemi	PNP	150	30Mhz	80pF	TO220-F	digikey
T11, T12	CCS with depletion mode MOSFET - do not implement							
transistor	number	manufact.		VBE (V)	ft	Cob	case	where to buy
T15	2SC5200-O(Q), TTC5200	Toshiba	NPN	230	30Mhz	200pF	TO-3P	digikey
	TTC0002	Toshiba	NPN	160	30Mhz	210pF	TO-3P	digikey
T16	2SA1943-O(Q),TTA1943	Toshiba	PNP	230	30Mhz	360pF	TO-3P	digikey
	TTA002	Toshiba	PNP	160	30Mhz	410pF	TO-3P	digikey
	2SA1987-O(Q)	Toshiba	PNP	230	30Mhz	360pF	TO-3P	digikey
OPS								
T17	2SC6145A-Y(hfe70-140)	SANKEN	NPN	260	60Mhz	250pF	TO-3P	digikey
	2SC3519A	SANKEN	NPN	180	50Mhz	250pF	TO-3P	digikey
	MJL3281AG	Onsemi	NPN	260	30Mhz	600pF	TO-3P	digikey
T18	2SA2223A-Y(hfe70-140)	SANKEN	PNP	260	35Mhz	500pF	TO-3P	digikey
	2SA1386A	SANKEN	PNP	180	40Mhz	500pF	TO-3P	digikey
	MJL1302AG	Onsemi	PNP	260	30Mhz	600pF	TO-3P	digikey

i will use Toshiba 2SC5200/2SA1943 TO-264