

SKR Expander Assembly Aid Drawings

Drawings to aid in rapid assembly. Color coded SMT Pick and place assemblies, as well as notes for THT components.

Drawn By	Dotdash32 (JDeW)	02/02/2022
Checked By		
Revision	V1.0.0	

Table of Contents:

[Fan Expander \(Big Beefy Boi\) V1.0.1](#)

[SMT Component Detail](#)

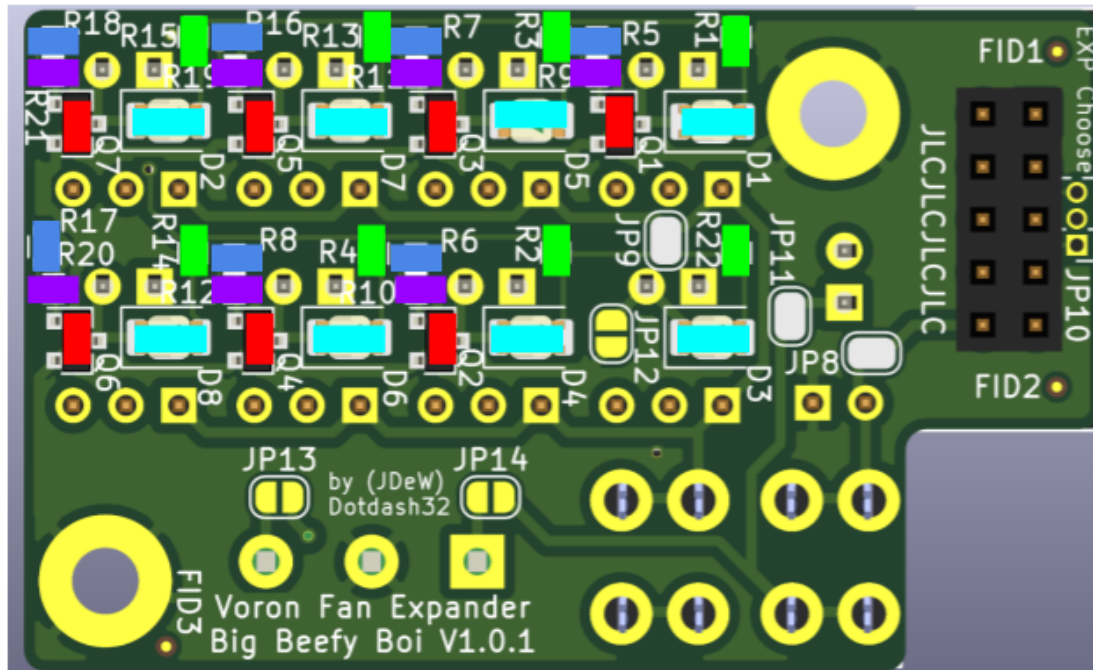
[Fan Expander Lite V1.0.4](#)

[SMT Component Detail](#)

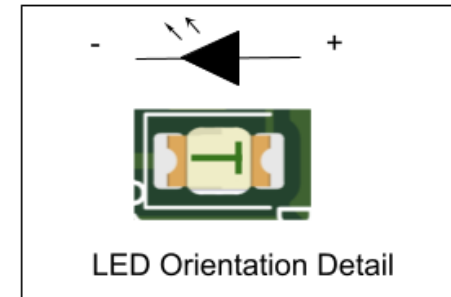
[Thermistor Expander V1.0.2](#)

[SMT Component Detail](#)

Fan Expander (Big Beefy Boi) V1.0.1

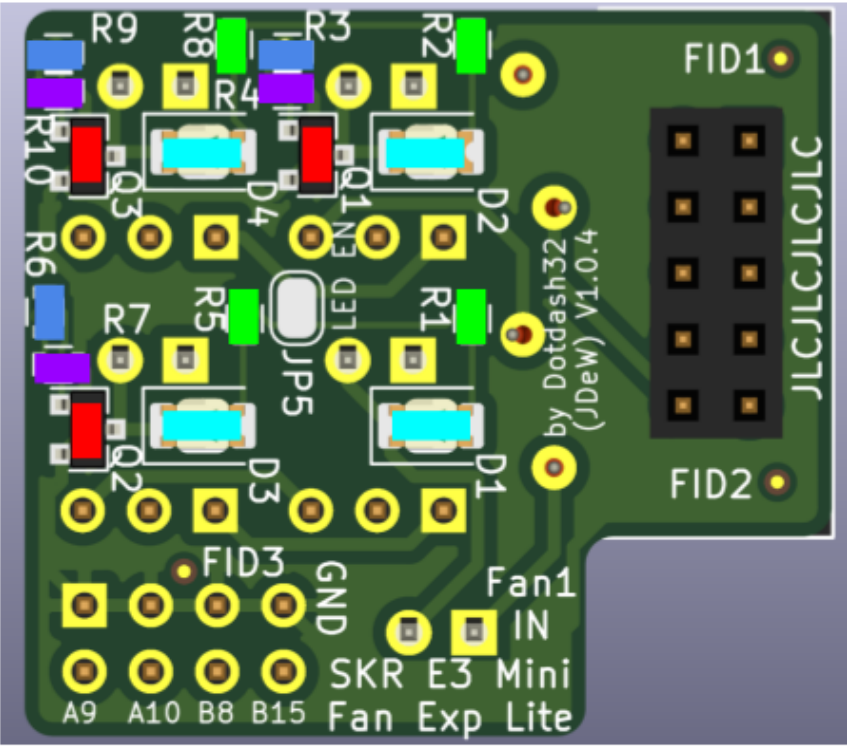


SMT Component Detail

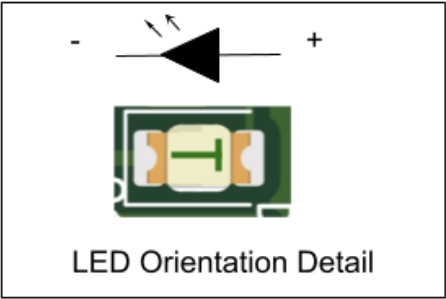







Color	Value	Package	References	Manufacturer Part Number
Blue	100R	0603	R5, R6, R7, R8, R16, R17, R18,	0603WAF1000T5E
Purple	100k	0603	R9, R10, R11, R12, R19, R20, R21,	0603WAF1003T5E
Green	560R	0603	R1, R2, R3, R4, R13, R14, R15, R22,	0603WAF5600T5E
Cyan	LED	1206 Reverse mount	D1, D2, D3, D4, D5, D6, D7, D8,	MHT151WDT
Red	NMOS	SOT32-3	Q1, Q2, Q3, Q4, Q5, Q6, Q7,	AO3400A

Fan Expander Lite V1.0.4



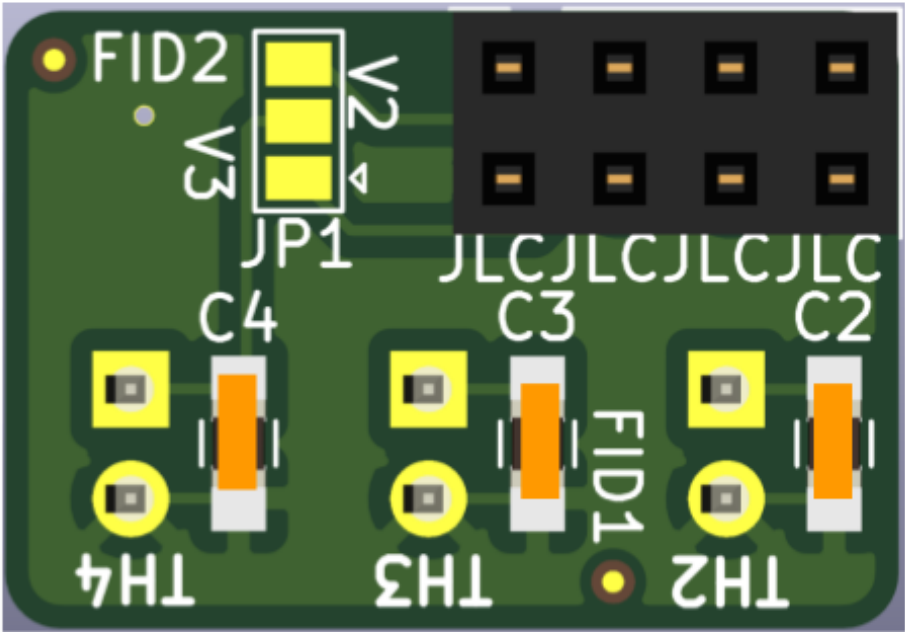
SMT Component Detail



Color	Value	Package	References	Manufacturer Part Number
	100R	0603	R3, R6, R9,	0603WAF1000T5E
	100k	0603	R4, R7, R10,	0603WAF1003T5E
	560R	0603	R1, R2, R5, R8,	0603WAF5600T5E
	LED	1206 Reverse mount	D1, D2, D3, D4,	MHT151WDT
	NMOS	SOT32-3	Q1, Q2, Q3,	AO3400A

Thermistor Expander V1.0.2

SMT Component Detail



Color	Value	Package	References	Manufacturer Part Number
	10uF	0805	C2, C3, C4,	GRM21BR61H106KE43L