

Adv INJ DCQPD Frontend revB

Bill Of Materials

Item	Reference	Part	PCB Footprint	Note	Manufacturer	Manufacturer Part Number	Quantity	Buy/Stock
1	C1	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C2	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C3	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C4	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C5	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C6	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C7	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C8	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C9	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
	C10	0.1uF	1206_FLA	50V, X7R, ±10%	AVX	12065C104KAT2A		
						<b>12065C104KAT2A tot</b>	10	
2	J1	header-6	JP6_FLA**	Header 6 pos, <b>Friction Lock**</b> , .100 pitch Vert, Tin	Molex Inc	22-23-2061**		
	J4	header-6	JP6_FLA	Header 6 pos, <b>Friction Lock**</b> , .100 pitch Vert, Tin	Molex Inc	22-23-2061**		
	J5	header-6	JP6_FLA	Header 6 pos, <b>Friction Lock**</b> , .100 pitch Vert, Tin	Molex Inc	22-23-2061**		
						<b>22-23-2065 tot</b>	3	
3	J2	header-2	JP2_FLA**	Header 2 pos, <b>Friction Lock**</b> , .100 pitch Vert, Tin	Molex Inc	22-23-2021**		
						<b>22-03-2021** tot</b>	1	
4	J3	Header 4-pin			--	--		
5	Q1	MMBT3904	SOT23_FLA	nnp, VbrCEo=40V, ft=300MHz, Pd=250mW	NXP	MMBT3904,215		
						<b>MMBT3906,215 tot</b>	1	
6	Q2	MMBT3904	SOT23_FLA	pnp, VbrCEo=-40V, ft=250MHz, Pd=250mW	NXP	MMBT3906,215		
						<b>MMBT3906,215 tot</b>	1	

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7	R1	0	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Samsung Electro-Med	RC3216J000CS		
	R10	0	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Samsung Electro-Med	RC3216J000CS		
						<b>RC3216J000CS tot</b>	2	
8	R2	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R3	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R4	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R5	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R6	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R7	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R8	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R9	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
	R21	1k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1001V		
						<b>ERJ-8ENF1002V tot</b>	9	
9	R11	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R12	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R13	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R14	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R15	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R16	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R17	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R18	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R19	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R20	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R22	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R23	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R24	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R25	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R26	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R27	10k	1206_FLA	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		

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	R28	10k	1206_FL A	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
	R29	10k	1206_FL A	1/4W, 1%, ±100ppm/°C, thick film	Panasonic	ERJ-8ENF1002V		
						<b>ERJ-8ENF1002V tot</b>	18	
10	TP1	pDC In	SMALLTP_FL A	Test Point 60x60	--	--		
	TP2	nDC In	SMALLTP_FL A	Test Point 60x61	--	--		
	TP3	Q2	SMALLTP_FL A	Test Point 60x62	--	--		
	TP4	Q3	SMALLTP_FL A	Test Point 60x63	--	--		
	TP5	GND	SMALLTP_FL A	Test Point 60x64	--	--		
	TP9	GND	SMALLTP_FL A	Test Point 60x65	--	--		
	TP6	pVbias	SMALLTP_FL A	Test Point 60x66	--	--		
	TP7	Q4	SMALLTP_FL A	Test Point 60x67	--	--		
	TP8	Q1	SMALLTP_FL A	Test Point 60x68	--	--		
11	U1	LT1124	SO8_FL A	Low Noise, High Speed Precision Op Amp	Linear Technology	LT1124CS8#PBF		
	U2	LT1124	SO8_FL A	Low Noise, High Speed Precision Op Amp	Linear Technology	LT1124CS8#PBF		
	U4	LT1124	SO8_FL A	Low Noise, High Speed Precision Op Amp	Linear Technology	LT1124CS8#PBF		
	U5	LT1124	SO8_FL A	Low Noise, High Speed Precision Op Amp	Linear Technology	LT1124CS8#PBF		
						<b>LT1124CS8#PBF tot</b>	4	
12	U3	OP467GS	SOL16_FL A	Quad Precision, BW=28MHz, SR=170 V/μs, Unity-gain stable	Analog Devices	OP467GS		
						<b>OP467GS tot</b>	1	
13	1	EOS S-078-QD	QPD--TO-8_FL A					