

	Qty	Label	Type	Type	Value	Device	Mounting	Package	Description	Part Number	Footprint	Function(s)	See Note 1.	Mouser PartNo	DigiKey PartNo				
	1	SPEAKER				M025MM		SCREWTERMINAL-SMM-2											
	1	INPUT				M07		1X07		282834-7				571-282834-7					
	1	VCC			24V	M025MM		SCREWTERMINAL-SMM-2											
	1	US1			TPA3118D2	TPA3118D2		TPA3118D2											
X	2	R1, R2	Resistor		3.3R	R-US_R1206	SMD	R1206	3R3 1206	CRCW12063R30FKEA	SMR_1206	output snubber cct	RC1206FR-073R3L	71-CRCW12063R30FKEAH	541-3.30FFCT-ND				
x	1	R3	Resistor		100K	R-US_M0805	SMD	M0805	100K 0805	CRCW0805100KFKEA	SMR_0805	fault ccts	RC0805FR-07100KL	71-CRCW0805100KFKEAH	541-100KTCT-ND				
x	2	R4, R6	Resistor		100k	R-US_M0805	SMD	M0805	100K 0805	CRCW0805100KFKEA	SMR_0805	gain/mode ccts, powerup mute cct	RC0805FR-07100KL	71-CRCW0805100KFKEAH	541-20.0KTCT-ND				
x	1	R5	Resistor		20k	R-US_M0805	SMD	M0805	20K 0805 see note 6	CRCW080520KFKEA	SMR_0805	gain/mode cct	RC0805FR-0720KL	71-CRCW080520KFKEAH	541-20.0KTCT-ND				
x	1	R7 - OPTIONAL	Resistor		47k	R-US_M0805	SMD	M0805	47K 0805	RC0805FR-0747KL	SMR_0805	sync filter see note 5			311-47.0KCRCT-ND				
x	2	R8, R9	Resistor		10R	R-US_M1206	SMD	M1206	10R 1206	CRM1206-FX-10R0ELF	SMR_1206	direct output snubber cct		667-ERJ-P08F10R0V	CRM1206-FX-10R0ELFCT-ND				
x	1	R10	Resistor		4.99R	R-US_M0805	SMD	M0805	4R99 0805	CRCW08054R99FKEA	SMR_0805	AVCC bypass cct	RC0805FR-074R99L	71-CRCW08054R99FKEA	541-4.99CCCT-ND				
x	1	R11	Resistor		10k	R-US_M0805	SMD	M0805	10K 0805	CRCW080510KFKEA	SMR_0805	powerup mute cct	RC0805FR-0710KL	71-CRCW080510KFKEAH	541-10.0KTCT-ND				
x	1	C1	Capacitor	Electrolytic	10uF	CPOL-EUB45181A	Hole	B45181A	10uF, 35V	ESK106M035AC3AA	CPCYLD/200LS.0	powerup mute cct		80-ESK106M035AC3AA	399-6598-ND				
x	2	C2, C3	Capacitor	Film	4.7uF	CS7.2	Hole	C587.2	Wima MKS2 4.7uF 63V	MKS2C044701M00JSSD	5mm pitch	AF input decoupling		505-MKS24.763/5					
x	2	C4, C24	Capacitor	X7R	1uF	C-EUC0805	SMD	C0805	1uF 50V x7r 0805	C2012X7R1H105M085AC	SMC_0805	AVCC bypass cct, GVDG bypass	810-C2012X7R1H105MAC	445-14540-1-ND					
x	1	C5 - OPTIONAL	Capacitor	NP0	1nF	C-EUC0805	SMD	C0805	47pF 50V NP0 0805	08055A470JAT2A	SMC_0805	sync filter see note 5			478-1312-1-ND				
x	4	C6, C7, C25, C26	Capacitor	Organic	330uF	CPOL-EUE5-10.5	Hole	E5-10.5	OSCON 330uF 25V	2S5EPF330M		power supply bypass							
x	2	C8, C11	Capacitor	X7R	100nF	C-EUC1206	SMD	C1206	0.1uF (100nF) 50V x7r 1206	CC1206KRX7R9BB104	SMC_1206	power supply bypass	603-CC206KRX7R9BB104	311-1179-1-ND					
x	2	C9, C10	Capacitor	COG	1nF	C-EUC1206	SMD	C1206	1000PF (1nF) 50V c0g 1206	CC1206JRNPO9BN102	SMC_1206	supply bypass	603-CC126JRNPO9BN102	311-1163-1-ND					
x	4	C12, C13, C14, C15	Cap	X7R	0.22uF	C-EUC0805	SMD	C0805	0.22uF 50V x7r 0805	CC0805JKX7R9BB224	SMC_0805	bootstrap cap	603-CC0805JR9BB224						
	2	C16, C17	Cap, Film, 3x5	Film	0.01uF	CS3	Hole 3x5	C583	Wima MKP2 10nF 160V	MKP2F021001B00J100		output snubber cct	505-MKP2F021001B0J100						
	2	C18, C21	Cap, Film, 4.5x7.5	Film	1nF	C-EU050-045X075	Hole 4.5x7.5	C050-045X075	Wima FKS2 1nF 63V	FKS2D0011001A00JSSD		output filter ccts	505-FKS21000/100/5						
	2	C19, C20	Cap, Film, 5x7	Film	0.68uF	CS7.2	Film 5x7	C587.2	Wima MKS2 0.68uF 63V	MKS2C036801E00JSSD		output filter cct	505-MKS20.68/63/5						
x	2	C22, C23	Cap	COG	330pF	C-EUC0805	SMD	C0805	330pF 50v COG 0805	08055A331JAT2A	SMC_0805	direct output snubber cct (bootstrap snubber)	581-08055A331J	478-1322-1-ND					
x	1	D6	Diode, through hole		1N4007	DIODE-C1702-05		C1702-05	1N4007	1N4007	DIODE-STAND-12	powerup mute cct	512-1N4007		1N4007FSCT-ND				
	2	L1, L2	Inductor		22uH	L_VERN2923_2		VER2923_2	Deliciously Overkill	VER2923-223KL		output filter inductor							