



Bill of Materials for the NCS8353MNGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U201	1	Linear Regulator	-	-	TO-92	ON Semiconductor	LP2950ACZ	Yes	Yes
U1	1	NCS8353	-	-	QFN32	ON Semiconductor	NCS8353MNTXG	No	Yes
RIGHT_OUT, LEFT_OUT, +24V_IN	3*	Dual Binding Post raised base	-	-	-	Pomona Electronics	6884	Yes	Yes
L_IN, R_IN	2	RCA Phono	-	-	-	Keystone Electronics	970	Yes	Yes
3.3V EN, FAULT, L_G, R_G	4	2 pin header	-	-	-	Tyco Electronics	87227-1	Yes	Yes
TP_LN, TP_LP, TP_RN, TP_RP	4	Test point	-	-	-	Keystone Electronics	5015	Yes	Yes
C203, C204, C205, C206, C207, C208	6	Ceramic capacitor	1000pF, 50V	+/-10%	0603	AVX Corporation	06035C102KAT2A	Yes	Yes
C133, C134	2	Aluminum capacitor	22uF, 35V	+20%	Radial, through hole	Panasonic	ECA-1VM221BJ	Yes	Yes
C111, C112, C113, C114	4	Ceramic capacitor	220pF, 50V	+/-10%	Surface mount	AVX Corporation	06035C221KAT2A	Yes	Yes
C101, C102, C105, C106, C107, C108, C109, C110, C115, C116, C117, C118, C119, C201, C202	15	Ceramic capacitor	1uF, 50V	+/-10%	0603	Taiyo Yuden	UMK107BJ105KA-T	Yes	Yes
C120, C121, C122	3	Ceramic capacitor	1uF, 16V	+/-10%	0603	AVX Corporation	0603YD105KAT2A	Yes	Yes
C123, C124, C125, C126	4	Ceramic capacitor	0.22uF, 50V	+/-10%	0603	Murata Electronics	GRM188F51H224ZA01D	Yes	Yes
C127, C128, C129, C130	4	Ceramic capacitor	0.01uF	+/-10%	0603	AVX Corporation	06035F103K4T2A	Yes	Yes
C103, C104	2	-	DNP	-	-	-	-	-	-
L101, L102, L103, L104	4	Power inductor	22uH	+/-10%	Radial, through hole	Coilcraft	DR0810-223L	Yes	Yes
R101, R102, R103, R104	4	Snubber resistors	20Ω	+/-5%	0603	Vishay/Dale	CRCW060320R0JNEA	Yes	Yes
R8	1	Isolation resistor	10Ω	+/-5%	0603	Vishay/Dale	CRCW060310R0JNEA	Yes	Yes
RN201	1	Resistor network	100kΩ	+/-2%	-	Vishay/Dale	CSC07A01100KGPA	Yes	Yes
S201	1	Slide switch	-	-	-	E-Switch	KAS1106ET	Yes	Yes

*Note: Do not use the bottom binding post on the bottom side of the board - It does not allow current flow