



## Bill of Materials for the NCN8025AMNGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	CAP CER 10UF 6.3V 20% X5R 0805	10uF	20%	0805	Murata	GRM21BR60J106ME19L	Yes	Yes
C2, C6, C7	5	CAP CER .1UF 25V 10% X7R 0805	100nF	10%	0805	Murata	GRM21BR71E104KA01L	Yes	Yes
C3, C4	2	CAP CER .1UF 25V 10% X7R 0603	100nF	10%	0603	Murata	-	Yes	Yes
C5	1	CAP CER .22UF 16V X7R 10% 0805	220nF	10%	0805	TDK Corporation	C2012X7R1C224K	Yes	Yes
C8, C9, C10, C15	4	CAP CER 33PF 16V X7R 0603	33pF	5%	0603	AVX Corporation	Do Not Populate	Yes	Yes
C11	1	CAP CER .33UF 16V X7R 10% 0805	330nF	10%	0805	TDK Corporation	C2012X7R1C334K	Yes	Yes
C12, C13, C14	3	Do Not Populate	80pF	-	0603	Do Not Populate	Do Not Populate	Yes	Yes
C16	1	Do Not Populate	100pF	-	0603	Do Not Populate	Do Not Populate	Yes	Yes
C17	1	CAP CERAMIC 22PF 50V NP0 0603	22pF	5%	0603	Yageo	CC0603JRNP09BN220	Yes	Yes
R1	1	Do Not Populate	Open	-	0805	Do Not Populate	Do Not Populate	Yes	Yes
R2, R3, R11, R12, R13, R14, R15	6	RES 0.0 OHM 1/8W 0603 SMD	0R	-	0603	Stackpole Electronics Inc	RMCF0805ZT0R00	Yes	Yes
R4, R6, R7, R9, R10	5	CMS resistor 1%, 1/4W	10k	1%	0603	-	-	Yes	Yes
R5	1	Single turn Cermet trimmer, 1k, 0.5W, 10%	1k	-	CERMET-72PT	Bourns	3386F-102LF-ND	Yes	Yes
R8	1	CMS resistor 1%, 1/4W	100k	1%	805	Philips Components	232272461004	Yes	Yes
SW1 to SW5	5	PCB slide switches	-	-	INTER3-2,54	EAO	09.03290.01	Yes	Yes
TP1 to TP11, TP13, TP14, TP16, TP18 to TP21	18	Clip Test Point, Hole Diameter 1.0mm (0.040 mil)	-	-	TP_1.0MMHOLE_KEYS TONE_5000	Keystone	5000	Yes	Yes
TP12, TP15, TP17, TP22	4	Clip Test Point, Hole Diameter 1.6mm (0.063 mil)	-	-	TP_1.6MMHOLE_KEYS TONE_5010	Keystone	5010	Yes	Yes
J1, J2	2	VDD, VDDP, 2-Pins Male Connector, 5.08mm Step	-	-	MSTBA2	Phoenix Contact	MSTBA2.52G5.08	Yes	Yes
J3, J4, J8	2	IDD, IDDP, LOAD, Breakable Single Row Header (2 Pins)	-	-	CON2-2.54	TYCO Amp	5-826629-0	Yes	Yes
J5, J6, J7	3	Ground Strap, Brass, Diameter 1.0mm, Pitch 10.16mm, Height 9.9mm	-	-	GND_STRP	HARWIN	D3082-46	Yes	Yes
J9	1	SMB connector	-	-	SMB/V	IMS	111510001	Yes	Yes
U1	1	NCN8025A Smart Card Interface	-	-	QFN 24 4X4 ENGINEERING	ON Semiconductor	NCN8025AMNTXG	No	Yes
U2	1	Smart card socket	-	-	SMARTCARD_FCI_743 43L0825S01	FCI	7434L0825S01LF	Yes	Yes
none	4	Standoff nut	-	-	STANDOFF HOLE	Keystone Electronics	1903C	Yes	Yes
none	4	Standoff screw	-	-	STANDOFF HOLE	Keystone Electronics	4814K-ND	Yes	Yes