



## Bill of Materials for the NCN8024DWGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C2,C5	4	CAP CER .1UF 16V 10% X7R 0603	100nF	10%	SM/C_0603H	Murata	GRM188R71C104KA01D	Yes	Yes
C3	1	CAP CER .22UF 16V X7R 10% 0805	220nF	10%	SM/C_0805H	TDK Corporation	C2012X7R1C224K	Yes	Yes
C4	1	CAP CER .33UF 16V X7R 10% 0805	330nF	10%	SM/C_0805H	TDK Corporation	C2012X7R1C334K/1.25	Yes	Yes
C6	1	CAP CER .1UF 25V 10% X7R 0805	100nF	10%	SM/C_0805H	Murata	GRM21BR71E104KA01L	Yes	Yes
C7	1	CAP CER 10UF 6.3V X5R 10% 1206	10uF	10%	SM/C_1206H	TDK Corporation	C3216X5R0J106K/1.60	Yes	Yes
C8, C9	1	CAP CER .1UF 25V 10% X7R 0805	100nF	10%	SM/C_0805H	Murata Electronics	GRM21BR71E104KA01L	Yes	Yes
C10	0	DNP	-	-	SM/C_0603H	DNP	DNP	Yes	Yes
C11, C12, C13, C14	0	DNP	-	-	SM/C_0603H	DNP	DNP	Yes	Yes
C15, C16, C17	0	DNP	-	-	SM/C_0603H	DNP	DNP	Yes	Yes
R1	1	RES 100K OHM 1/4W 5% 0805 SMD	100kΩ	1%	SM/C_0805H	Rohm Semiconductor	ESR10EZPJ104	Yes	Yes
R2	0	DNP	-	-	SM/C_0603H	DNP	DNP	Yes	Yes
R3,R9, R10, R11,	1	RES 0.0 OHM 1/10W 0603 SMD	0Ω	-	SM/C_0603H	Stackpole Electronics Inc	RMCF0603ZT0R00	Yes	Yes
R4	1	Single turn Cermet trimmer 1k, 0.5W, 10%, 63M100R	1kΩ	10%	CERMET-72PT	Bourns	3386F-1-102TLF	Yes	Yes
R5,R6,R7,R8	4	RES 10K OHM 1/4W 5% 1206 SMD	10kΩ	1%	SM/C_1206H	Rohm Semiconductor	MCR18EZPJ103	Yes	Yes
SW1, SW2, SW3, SW4	4	PCB slide switches	-	-	INTER3-2,54	EAO	09.03290.01	Yes	Yes
TP1-TP5, TP11-TP13, TP15-TP21	15	CLKDIV1/2, 5V/3Vb, INT/, I/OUC, AUX1UC, AUX2UC, CLKIN, CRD_AUX1, _AUX2, _I/O, _CLK, _RST, /PRES, PRES, clip test point hole diameter 1.0mm	-	-	TP_1	Keystone Electronics	5000	Yes	Yes
TP6, TP7, TP8, TP9, TP10, TP14	6	/CMDVCC, VUP, VDD, VDDP, CRD_VCC, RSTIN, clip test point hole diameter 1.6mm	-	-	TP_1.6MMHOLE_KEystone_5010	Keystone Electronics	5010	Yes	Yes
J1, J2	2	VDD, VDDP, 2 pins, male connector, 5.08mm step	-	-	MSTBA2-5.08MM	Phoenix Contact	MSTBA2.52G5.08	Yes	Yes
J3, J4, J5	3	Ground: strap, brass, diameter 1.0mm, pitch 10.16mm, height 9.9mm	-	-	GND_STRP	HARWIN	D3082-46	Yes	Yes
J6, J7, J8	3	IDD, IDDP, ICC, Breakable single row, header (2 pins)	-	-	CON2-2.54	TYCO Amp	5-826629-0	Yes	Yes
J9, J10, J11, J12	4	Standoff nut	-	-	STANDOFF HOLE	Keystone Electronics	1903C	Yes	Yes
J9, J10, J11, J12	4	Standoff screw	-	-	STANDOFF HOLE	Keystone Electronics	4814K-ND	Yes	Yes
J13	1	SMB connector	-	-	SMB/V	Amphenol Connex	142138	Yes	Yes
U1	1	NCN8024 Smart Card Interface	-	-	SOIC-28	ON Semiconductor	NCN8024DWR2G	No	Yes
U2	1	Smart card socket	-	-	SMARTCARD_FCI_74343L0825S01	FCI	7434L0825S01LF	Yes	Yes