



Bill of Materials for the NCP1342PD65WGEVB_PDSUB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,2,8	3	Ceramic Capacitor, X5R, SMD	1u/50V	10%	0603	TDK	CGA3E3X5R1H105K080AB	Yes	Yes
C3	1	Not Installed	-	-	0603	-	-	-	-
C4,7	2	Ceramic Capacitor, C0G, SMD	1n/50V	10%	0603	TDK	C1608C0G1H102J080AA	Yes	Yes
C5,6	2	Ceramic Capacitor, C0G, SMD	4.7n50V	10%	0603	TDK	C1608C0G1H472J080AA	Yes	Yes
D1,2,3	3	ESD Protection Diode	24V	-	X2DFN2	ON Semiconductor	ESD7241N2T5G	No	Yes
D4,5	2	ESD Protection Diode	5.5V	-	X2DFN2	ON Semiconductor	ESDM3551N2T5G	No	Yes
J1	1	USB TYPE-C Connector			TYPEC	Amphenol	12401610E4#2A	Yes	Yes
Q1	1	N-Channel Power MOSFET	30V/1.23mOhm	-	PQFN8B	ON Semiconductor	FDMC012N03	No	Yes
R1,2,3,4,6	5	Resistor, 1/10W, SMD	0R	-	0402	Panasonic	ERJ-2GE0R00X	Yes	Yes
R5	1	Resistor, 1/2W, SMD	39.2R	1%	1210	Stackpole	RMCF1210FT39R2	Yes	Yes
R7	1	Resistor, 1/2W, SMD	0R	-	1210	Stackpole	RMCF1210ZT0R00	Yes	Yes
R8,9	2	Resistor, 1/10W, SMD	1k	1%	0402	Panasonic	ERJ-2RKF1001X	Yes	Yes
R10	1	Resistor, 1/10W, SMD	120k	1%	0603	Panasonic	ERJ-3EKF1203V	Yes	Yes
R11	1	Resistor, 1/10W, SMD	13.3k	1%	0603	Panasonic	ERJ-3EKF1332V	Yes	Yes
R12	1	Resistor, 1/10W, SMD	220k	1%	0603	Panasonic	ERJ-3EKF2203V	Yes	Yes
R13	1	Resistor, 1/10W, SMD	10k	1%	0402	Panasonic	ERJ-2RKF1002X	Yes	Yes
R15	1	Resistor, 1W, SMD	0.005R	1%	1206	Stackpole	CSRF1206FT5L00	Yes	Yes
U1	1	USB Type-C/PD Controller	-	-	SOIC14	ON Semiconductor	FUSB3307	No	Yes