



Bill of Materials for the NCP45732 Evaluation Board

Designator (Main Board)	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C4, C5	2	CAP, CERAMIC, 1uF, 50V, X7R, 10%, 0805	1uF	10%	0805	Samsung Electro-Mechanics	CL21B105KBFNNNE	Yes	Yes
C9, C10	2	CAP, CERAMIC, 10nF, 50V, X7R, 10%, 0805	10nF	10%	0805	KEMET	C0805C103K5RECAUTO	Yes	Yes
R1	1	RES 100K OHM 5% 1/8W 0805	100kΩ	5%	0805	Stackpole Electronics	RMCF0805JT100K	Yes	Yes
R2	1	RES 0 OHM JUMPER 1/8W 0805	0 Ω	-	0805	Stackpole Electronics	RMCF0805ZT0R00	Yes	Yes
VIN, VOUT, VCC, GND (x3)	6	BANANA CONNECTOR, THREADED	-	-	Banana_Connector	Cinch Connectivity Solutions Johnson	111-2223-001	Yes	Yes
[EN, VCC, SR, OCP, PG]	1	CONN HEADER VERT 5POS 2.54MM	0.1"	-	header_5	Würth Elektronik	61300511121	Yes	Yes
J1, J2, J3	3	CONN HEADER VERT 2POS 2.54MM	0.1"	-	header_2	Würth Elektronik	61300211121	Yes	Yes
for J1, J2, J3	3	CONN JUMPER SHORTING .100" GOLD	0.1"	-	-	Sullins Connector Solutions	NPC02SXON-RC	Yes	Yes
EN, SR, OCP, PG	4	PC TEST POINT MULTIPURPOSE WHITE	-	-	testpoint	Keystone Electronics	5012	Yes	Yes
VCC, VIN, VOUT	3	PC TEST POINT MULTIPURPOSE RED	-	-	testpoint	Keystone Electronics	5010	Yes	Yes
GND	3	PC TEST POINT MULTIPURPOSE BLACK	-	-	testpoint	Keystone Electronics	5011	Yes	Yes
D1	1	TVS DIODE 26.7VWM 38.9VC DO214AB	-	-	DO-214AB	Rectron USA	5.0SMCJ24A	Yes	Yes
U1	1	NCP45732	-	-	2x2 DFN10	onsemi	NCP45732IMN24TWG	No	Yes