



Bill of Materials for the NCP45492IMNGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
BG_REF_OUT, BS_IN1, BS_IN2, BS_IN3, BS_IN4, BS_OK, BS_REF, CM_REF_IN, DIFF_OUTN, DIFF_OUTP, GND2, GND3, GND4, GND5, GND6, SH_IN1, SH_IN2, SH_IN3, SH_IN4, SH_O1, SH_O2, SH_O3, SH_O4	23	Test Point	Test loop		Test_Point	Keystone Electronics	5009		
C1, C2, C3, C4, C5	5	Capacitor	No placement		SMD_0805	n/a	n/a		
C6, C7, C8, C10, C11	5	Capacitor	0.1u		SMD_0805	Murata Electronics	GCM21BR71H104KA37K		
C9	1	Capacitor	0.01u		SMD_0805	Samsung Electro-Mechanics	CLZ1B109KBANNNC		
DIFF_OUT_N, DIFF_OUT_P_EN, MUX_SEL	4	Test Point	SMB / SMA Straight Connector		SMB_V-RH45	Molex	733910060		
GND7, GND8, GND9, GND10, GND11, GND12, LOAD1, LOAD2, LOAD3, LOAD4, VBUS1, VBUS2, VCC	13	Banana Con	Banana Con		Banana_Connector	Cinch Connectivity Solutions Johnson	111-2223-001		
J1, J2, J5, J8, J20, J21	6		3 pins		10th_header	Würth Electronics Inc	61300311121		
J3, J4, J6, J7, J10, J100	6		10" header		10" header	Würth Electronics Inc	61300211121		
R12, R18	2	Resistor	118 kΩ		SMD_1206	Panasonic	ERJ-8ENF1183V		
R15, R20, R16, R21	4	Resistor	2 kΩ		SMD_1206	Panasonic	ERA-8AE8202V		
Rsense1, Rsense2, Rsense3, Rsense4	4		5 mΩ		SMD_1206	Rohm Semiconductor	PMR18EZPFU5L00		
R1, R2, R3, R4	4	Resistor	100 Ω		SMD_1206	Panasonic	ERA-8AE8101V		
R5, R6, R8	3	Resistor	66.5 kΩ		SMD_1206	Yageo	RC1206FR-0766K5L		
R9	1	Resistor	10 kΩ		SMD_1206	Stackpole Electronics	RNCP1206FTD10K0		
R14, R23, R24	3	Resistor	0 Ω		SMD_1206	Stackpole Electronics	HCJ1206ZTOR00		
R7, R25	2	Resistor	100 kΩ		SMD_1206	Rohm Semiconductor	ESR18EZP104		
R13, R19	2	Resistor	57.6 kΩ		SMD_1206	Vishay Dale	CRCW120657K8FKEA		
R11, R26	2	Resistor	12.4 Ω		SMD_1206	Yageo	RC1206FR-07124RL		
R10, R17	2	Resistor	2.5 Ω		SMD_1206	Vishay Dale	CRCW12063R49FKEAHP		
U1	1		N/A		NCP45492	ON Semiconductor	NCP45492		