



Bill of Materials for the NCD57252GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free	Notes
IC1	1	IGBT Driver	NCD57252		SOIC-16W	ON Semiconductor	NCD57252	No	Yes	
DAOFF, DBOFF	2	Schottky diode 30V	MMSD301T1G		SOD-123	ON Semiconductor	MMSD301T1G	No	Yes	
VIN, +5V, POWERA, POWERB	4	GREEN	LED SMD		SMD 0805	KingBright	KP-2012LSGC	Yes	Yes	
DISABLE	1	RED	LED SMD		SMD 0805	KingBright	KPT-2012SRC-PRV	Yes	Yes	
C1, C3, C9	1	Ceramic capacitor	100n / 50V		SMD 0805	kemet	C0805C104J5RACAUTO	Yes	Yes	
C2, C4, C10	1	Ceramic capacitor	10u / 35V		SMD 0805	MURATA	GRM21BR6YA106KE43L	Yes	Yes	
C6, C8	2	Ceramic capacitor	10u / 35V		SMD 1206	TDK	C3216X7R1V106M160AC	Yes	Yes	
C5, C7	2	Ceramic capacitor	100n / 50V		SMD 1206	kemet	C1206C104K5RACTU	Yes	Yes	
R1, R2, R3, R4, R5, R6, R8	7	Resistor	10k		SMD 0805	vishay	CRCW080510K0FKEA	Yes	Yes	
RGAON, RGAOFF, RGBON, RGBOFF	4	Resistor	10R		SMD 0805	vishay	CRCW080510R0FKEA	Yes	Yes	
R7	1	Resistor	100k		SMD 0805	vishay	CRCW0805100KFKEA	Yes	Yes	
P1	1	PIN header solder from the side of the board	2x20		TH	Würth	61304021121	Yes	Yes	
PCB	1	PCB - FR4/IS400, 1.5mm, Copper 35/35um, TOP/BOT mask BLACK, TOP/BOT labels WHITE, Final Surface inert Au	RA0216DB_0		51x51mm	not specified		Yes	Yes	
DC/DC-A, DC/DC-B (Optional)	NA	DC-DC power source	MGJ2D051505SC MGJ2D121505SC MGJ2D052005SC MGJ2D152015SC ....	NA	10x13x20mm	MURATA	NA	Yes	Yes	Not Assembled