



Bill of Materials for the NCV7685GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
D1	1	30V zener diode	zener		ZENER	LittleFuse Inc	DO-214AB (SMC J-Bend) SMCJ24A	Yes	Yes
J4	1	6 pin connector	conn_6		HEADER_7	Harwin Inc	M22-2511046	Yes	Yes
TP11,TP15,TP3,TP8	4	Test Loop-White	PG,SR,EN,OCP		TP-probe	Keystone Electronics	5007	Yes	Yes
TP5, TP1,TP2	3	Test Loop-Red	VCC,Vin,Vout		TP-probe	Keystone Electronics	5005	Yes	Yes
TP7, TP10, TP12	3	Test Loop-Black	GND		TP-probe	Keystone Electronics	5006	Yes	Yes
R1	1	Resistor	100k		SMD_0805	Panasonic Electronics	ERA-3AEB104V	Yes	Yes
R2	1	Resistor	0		SMD_0805	Vishay Dale	CRCW12060000Z0EAHP	Yes	Yes
U1	1	ecoSWITCH	NCP45730		DFN12_3x3	ON Semiconductor	NCP45770IMN24TWG	No	Yes
Jumpers	3	Jumper	for (J1, J2, J3)		n/a	Sullins Connector Solutions	NPC02SXON-RC	Yes	Yes
J1,J2,J3	3	10th inch header			header_2	Würth Electronics Inc	61300211121	Yes	Yes
C1, C2, C7, C8	4	SMD capacitor	DNP		radial-cap	n/a	n/a	Yes	Yes
C3, C6	2	SMD capacitor	DNP		SMD_0805	n/a	n/a	Yes	Yes
C4, C5	2	SMD capacitor	1u		SMD_0805	Kemet	C0805C105K4RACTU	Yes	Yes
C9, C10	2	SMD capacitor	10n		SMD_0805	Samsung Electro- Mechanics	CL21B103KBANNNC	Yes	Yes
B1,B2,B3,B4,B5,B6	6	Interconnect	VIN,VOUT,GND(3),VCC		Bannana_Connecto r	Cinch Connectivity Solutions Johnson	111-2223-001	Yes	Yes