



Bill of Materials for the NCV7681LGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	LEO StorageCapacitor	100 nF	10%	805	KEMET	C0805C104K5RACTU	Yes	Yes
C2	1	DebounceCapacitor	10nF	10%	805	KEMET	C0805C103K5RACTU	Yes	Yes
C3	1	Input Capacitor	0.68 vF	10%	805	KEMET	C0805C684K5RACTU	Yes	Yes
C4	1	Loop StabilizationCapacitor	0.22 vF	10%	805	KEMET	C0805C224K5RACTU	Yes	Yes
01-024	24	Display LEOs	led_diode	-	G6SP	OSRAM	LRG6SP-CADB-1-1	Yes	Yes
025-026	2	Steering Diode	MRA4003	-	SMA_DIODE	ON SEMICONDUCTOR	MRA4003T3G	Yes	Yes
27	1	DIAG ReportingLEO	led_diode	-	805	LITE-ON INC	LTST-C171GKT	Yes	Yes
J3-J14, J18	13	DualJumper Posts 100 mil spacing	JUMPER	-	JMP	3M	961102-8404 -AR	Yes	Yes
J15-J17	3	Triple Jumper Posts 100 mil spacing	JUMPER	-	JMP	3M	961102-6404-AR	Yes	Yes
J3-J18	16	Jumper	-	-	N/A	SULLINS CONNECTOR SOLUTIONS	QPC02SXGN-RC	Yes	Yes
J1	1	Banana Jack	VSAT	-	BANANA	CINCH CONNECTIVITY SOLUTIONS	108-0740-001	Yes	Yes
J2	1	Banana Jack	GND	-	BANANA	CINCH CONNECTIVITY SOLUTIONS	108-0740-001	Yes	Yes
2	1	OIAGllumni ationTransistor Switch	2N7002W	-	SOT23M4	ON SEMICONDUCTOR	ONC2N7002WT1G/BKN	Yes	Yes
R1, R6	2	Logic Resistors	10kQ	1%	805	VISHAYDALE	CRCW080510KOFKEA	Yes	Yes
R2	1	RSTOP ProgramResistor	3.0*1 kQ	1%	805	VISHAYDALE	CRCW08053K01FKEA	Yes	Yes
R3	1	RTAIL ProgramResistor	1.62kQ	1%	805	VISHAYDALE	CRCW08051K62FKEA	Yes	Yes
R4	1	Vstring ProgramResistor	9.5J kQ	1%	805	VISHAYDALE	CRCW08059K53FKEA	Yes	Yes
RS	1	Gate-sourceResistor	1 kQ	1%	805	VISHAYDALE	CRCW08051K00FKEA	Yes	Yes
R7	1	Vstring ProgramResistor	1 kQ	1%	805	VISHAYDALE	CRCW08051K00FKEA	Yes	Yes
R8	1	DIAGLED Current Setting Resistor	4.99 kQ	1%	805	VISHAYDALE	CRCW08054K99FKEA	Yes	Yes
SW1, SW2	2	User InterfaceSwitches	-	-	MINITOGGLE	C & K COMPONENTS	T101MH9CBE	Yes	Yes
SW3	1	SPST-NO O.OSA24V TactileSwitch	-	-	6x6	TE ConnectivityAlcoswitch	1-1825910-0	Yes	Yes
TP1-TP18, TAIL	18	Test Inputs	-	-	TP	KEYSTONE ELECTRONICS	5010	Yes	Yes
U1	1	NCV7681L (SOIC-16WB epad)	-	-	16WEPAD	ON SEMICONDUCTOR	NCV7681LPWR2G	No	Yes
U2	1	NV02955	-	-	DPAK3_SMD	ON SEMICONDUCTOR	NV02955T4G	No	Yes