

Bill of Materials for the NCP5603 Evaluation Board

ON Semiconductor



2.16.2007

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
U1	1	NCP5603 Charge pump	NA	NA	QFN10	ON Semiconductor	NCP5603MNR2G	No	Yes
U2	1	Dual Schmitt trigger inverter	NA	NA	TSOP-6	ON Semiconductor	NL27WZ14DTT1G	No	Yes
U3	1	Dual Retriggerable One Shot	NA	NA	SOIC-16	ON Semiconductor	MC14538BDG	No	Yes
R1, R2	2	Resistor	100 kΩ	5%	0805	Vishay	CRCW08051040JNEA	Yes	Yes
R3, R4, R5, R10,	6	Resistor	10 kΩ	5%	0805	Vishay	CRCW08051030JNEA	Yes	Yes
R6, R7, R8, R9	4	Resistor	82 Ω	5%	0805	Vishay	CRCW080582R0JNEA	Yes	Yes
R11	1	Resistor	1.5 kΩ	5%	0805	Vishay	CRCW08051530JNEA	Yes	Yes
C1, C2, C3	3	Ceramic Capacitor	1 μF, 10 V	10%	0805	Murata	GRM219R61A105KC01D	Yes	Yes
C4	1	Ceramic Capacitor	4.7 μF, 10 V	10%	0805	Murata	GRM219R61A475KE19D	Yes	Yes
C5	1	Ceramic Cpacitor	33 nF, 50 V	10%	0805	Kemet	C0805C333K5RACTU	Yes	Yes
C6, C7, C8	3	Ceramic Cpacitor	100 nF, 50 V	10%	0805	Kemet	C0805C104K5RACTU	Yes	Yes
J1	1	Banana socket	NA		PLUG_4MM	Deltron Components	571-0500	Yes	Yes
J2	1	Banana socket	NA		PLUG_4MM	Deltron Components	571-0100	Yes	Yes
D1, D2, D3 D4	4	LW Y87S White LED	NA	NA	OSRAM_LED	Osram	Q65110A1709	Yes	Yes
D5	1	HYPER MINI TOPLED	NA	NA	OSRAM_LED	Osram	Q65110A2364	Yes	Yes
TP1, TP2	2	Test point	NA	NA	TEST_POINT	Keystone	5005	Yes	Yes
P1	1	ADJ. Potentiometer	200 kΩ	NA	VR-4	Bourns	3386F-1-204LF	Yes	Yes
PK2	1	AA battery pack	NA	NA	BPACK2	Keystone	2223	Yes	Yes
S1	1	Manual Switch	NA	NA	APEM_CMS	APEM	TL36WS84000	Yes	Yes
S2, S3, S4	3	Manual Switch	NA	NA	SIP3	EAO	09.03290.01	Yes	Yes
Z3	1	Ground	NA	NA	GND_TEST	Harwin	D3082-05	Yes	Yes