

Bill of Materials for the NCP1410 Evaluation Board

ON Semiconductor



7/17/2009

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
U1	1	Step-Up DC - DC Converter	250 mA	NA	Micro8	ON Semiconductor	NCP1410DMR2G	No	Yes
D1	1	Shottky Power rectifier	0.5 A, 20 V	NA	SOD-123	ON Semiconductor	MBR0520LT1G	No	Yes
CFB1	1	Ceramic Chip Capacitor	150 pF, 50 V	5%	0603	Taiyo Yuden	UMK107CH151JZ	Yes	Yes
CFB2	1	Ceramic Chip Capacitor	220 pF, 50V	5%	0603	Taiyo Yuden	UMK107CH221JZ-T	Yes	Yes
CSHDN1	1	Ceramic Chip Capacitor	56 nF, 16 V	20%	0603	Taiyo Yuden	EMK107 F563ZA	Yes	Yes
C1, C2	2	Ceramic Chip Capacitor	100 nF, 16 V	20%	0603	Taiyo Yuden	EMK107BJ104ZA	Yes	Yes
CEN1	1	Ceramic Chip Capacitor	120 nF, 16 V	20%	0603	Taiyo Yuden	EMK107 F124ZZ	Yes	Yes
CREF1	1	Ceramic Chip Capacitor	150 nF, 16 V	20%	0603	Taiyo Yuden	EMK107 F154ZZ	Yes	Yes
CIN1	1	Low Profile Tantalum Capacitor	10 uF, 10 V	10%	6032-28	Kemet	T491C106K010AS	Yes	Yes
COUT1	1	Low ESR Tantalum Capacitor	33 uF, 10 V	10%	7343-31	Kemet	T494D336K010AS	Yes	Yes
L1	1	SMT Power Inductor	22 uH, 0.68 A	20%	3x4.8x3.5 m	Sumida	CR43NP- 220MC	Yes	Yes
RFB2	1	Thick Film Chip Resistor	196 kΩ, 1/10 W	1%	0603	Rohm	MCR03EZPFX1963	Yes	Yes
RLB1	1	Thick Film Chip Resistor	220 kΩ, 1/10 W	5%	0603	Rohm	MCR03EZPJ224	Yes	Yes
RFB21	1	Thick Film Chip Resistor	243 kΩ, 1/10 W	1%	0603	Rohm	MCR03EZPFX2433	Yes	Yes
RLB2	1	Thick Film Chip Resistor	330 kΩ, 1/10 W	5%	0603	Rohm	MCR03EZPJ334	Yes	Yes
RFB1	1	Thick Film Chip Resistor	348 kΩ, 1/10 W	1%	0603	Rohm	MCR03EZPFX3483	Yes	Yes
RSHDN1 (SP1)	1	Thick Film Chip Resistor	560 kΩ, 1/10 W	5%	0603	Rohm	MCR03EZPJ564	Yes	Yes
SP2	-	Solder Short	-	-	-	-	-	-	-
SP3	-	Solder Open	-	-	-	-	-	-	-
TP1 - TP9, JP1 - JP3	12	Header, 2 Positions	-	-	-	Molex	90120-0160	Yes	Yes
JP1A - JP3A	3	Jumper, 2 Positions	-	-	-	Sullins Electronics	SPC02SYAN	Yes	Yes