

# Bill of Materials for the NCP1406V25 Evaluation Board

ON Semiconductor



2.16.2007

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
C1	1	Ceramic Capacitor	10 $\mu$ F, 6.3 V	20%	0805	Panasonic	ECJ2FB0J106M	Yes	Yes
C2	1	Ceramic Capacitor	3.3 $\mu$ F, 50 V	20%	1812	TDK	C4532JB1H335M	Yes	Yes
C3	1	Ceramic Capacitor	150 pF, 50 V	10%	0603	Panasonic	ECJ1VC1H151K	Yes	Yes
D1	1	Schottky Power Rectifier	30 V, 500 mA	NA	SOD-123	ON Semiconductor	MBR0530T1G	No	Yes
JP1	3	Header (3-pin)	0.1" pitch	NA	NA	AMP/Tyco	9-146285-0	Yes	Yes
L1	1	Low Profile Inductor	10.0 $\mu$ H, 0.50 A	20%	SMD	Sumida	CMD4D11 NP 100MC	Yes	Yes
R1	1	Resistor	2.2 M $\Omega$ , 0.1 W	5%	0603	Panasonic	ERJ-3GEYJ225V	Yes	Yes
R2	1	Resistor	110 k $\Omega$ , 0.1 W	5%	0603	Yageo	RC0603JR-07110KL	Yes	Yes
TP1-TP4	8	Header (2-pin)	0.1" pitch	NA	NA	AMP/Tyco	9-146285-0	Yes	Yes
U1	1	Step-Up DC-DC Converter	VO $\leq$ 25 V, IO= 25 mA	NA	TSOP-5	ON Semiconductor	NCP1406SNT1G	No	Yes