

## Bill of Materials for NCP1423 Demonstration Board

ON Semiconductor



8/9/2005

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	Sync-Rect PFM Step-Up DC-DC Converter with True-Cutoff and Ring-Killer	6 V, 400 mA	N/A	Micro10	ON Semiconductor	NCP1423DMR2G	No	Yes
CC1	1	Ceramic Chip Capacitor	0.1 uF, 16 V	10%	0603	Panasonic	ECJ1VB1C104K	Yes	No
C1	1	Ceramic Chip Capacitor	10 uF, 6.3 V	20%	0805	Panasonic	ECJ2FB0J106M	Yes	No
C2	1	Ceramic Chip Capacitor	22 uF, 6.3 V	20%	1206	Panasonic	ECJ3YB0J226M	Yes	No
C3	1	Ceramic Chip Capacitor	Open	--	0603	--	--	--	--
R1	1	Chip Resistor	237 kΩ, 1/16 W	1%	0603	Panasonic	ERJ3EKF2373	Yes	No
R2	1	Chip Resistor	42.2 kΩ, 1/16 W	1%	0603	Panasonic	ERJ3EKF4222	Yes	No
R3	1	Chip Resistor	619 kΩ, 1/16 W	1%	0603	Panasonic	ERJ3EKF6193	Yes	No
R4	1	Chip Resistor	432 kΩ, 1/16 W	1%	0603	Panasonic	ERJ3EKF4323	Yes	No
R5, R6, R7	3	Chip Resistor	100 kΩ, 0.1 W	5%	0603	Panasonic	ERJ3GEYF104	Yes	No
L1	1	Chip Power Inductor	5.6 uH, 78 mΩ/1.44 A	20%	6 x 6 2.5 mm	Sumida	CDC5D23 5R6	Yes	No
JP1, JP2, T3, T6	4	Pin Header, Single Row, ST. Type,	N/A	N/A	Pitch=2.54mm, L=5.7mm	Betamax	P101-1X40SGF-40	Yes	No
T1,T4	2	PCB Test Terminal, Red	N/A	N/A	Hole diameter 1.32mm	RS	262-2220	Yes	No
T2	1	PCB Test Terminal, Black	N/A	N/A	Hole diameter 1.32mm	RS	262-2214	Yes	No
T3	1	PCB Test Terminal, Green	N/A	N/A	Hole diameter 1.32mm	RS	262-2236	Yes	No