

## Bill of Materials for the NCS2500SN Evaluation Board

ON Semiconductor



7/2005

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
	1	Current Feedback Op Amp	1.1 mA, 200 MHz	NA	SOT23-5	ON Semiconductor	NCS2500SNT1G	NO	YES
C1,C7	2	Tantalum SMT Capacitor	4.7 uF, 25 V	10%	2413	Kemet	T491C475K025AS	YES	NO
C2,C6	2	X7R Ceramic Chip Capacitor	47 nF, 50 V	10%	0603	Vishay	VJ0603Y473KXAAT	YES	NO
C3,C5	2	C0G Ceramic Chip Capacitor	330 pF, 50 V	5%	0603	Vishay	VJ0603A331JXAAT	YES	NO
C9*	1	Ceramic Chip Capacitor	No value defined	-	0603	-	-		
D6,D7	2	Diode Standard Rectifier	1 A, 300 V	NA	403D-02	ON Semiconductor	MRA4003T3	NO	NO
L1,L2	2	Bead Core	68 $\Omega$ , 3 A	NA	1206	Panasonic - ECG	EXC-ML32A680U	YES	NO
R1*,R11*	2	Chip Resistor	49.9 $\Omega$ , 0.1 W	1%	0603	Vishay	CRCW060349R9FKTA	YES	NO
R2	1	Chip Resistor	453 $\Omega$ , 0.1 W	1%	0603	Vishay	CRCW0603453RFKTA	YES	NO
R3,R10	2	Chip Resistor	49.9 $\Omega$ , 0.1 W	1%	0603	Vishay	CRCW060349R9FKTA	YES	NO
R5,R7	2	Chip Resistor	2.2 $\Omega$ , 0.1 W	5%	0603	Vishay	CRCW06032R2JKTA	YES	NO
R4,R6	2	Chip Resistor	1.2 k $\Omega$ , 0.1 W	1%	0603	Vishay	CRCW06031K2FKTA	YES	NO
J1-J3	3	Vertican Connector Jack, 50 $\Omega$	NA	NA	BNC	AMP/TYCO	414305-1	YES	NO
J4-J6	3	Banana Jack	NA	NA	NA	Johnson Components Inc	108-0740-001	YES	NO
JMP1	3	Single Row 36 Position Header	NA	NA	NA	Sullins Electronics Corp.	PTC36SABN	YES	NO
JMP1	1	Jumper Shorting Tin	NA	NA	NA	Sullins Electronics Corp.	STC02SYAN	YES	NO
HW	4	Standoffs	NA	NA	NA	Keystone	4820K-ND (Digi Key)	YES	NO
HW	4	Nut	NA	NA	NA	Keystone	1903AK-ND (Digi Key)	YES	NO

\*Not Installed