



Bill of Materials for the NCP1568 Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C102	1	SMT Capacitor	0.1 uF	±5%	603	AVX Corp	LD033C104KAB2A	YES	YES
C108	1	SMT Capacitor	1.0 uF	±10%	603	Taiyo Yuden	UMK107AB7105KA-T	YES	YES
C106	1	SMT Capacitor	22nF	±10%	603	Kemet	C0603X223K5RAC1U	YES	YES
C101 C104	2	SMT Capacitor	6.8nF	±5%	603	Kemet	C0603C682J5GACTU	YES	YES
C100 C103 C105	3	SMT Capacitor	DNI		603	DNI		YES	YES
C107	1	SMT Capacitor	DNI	±5%	603	Kemet	DNI	YES	YES
U101	1	Optoisolator	1.17V 50mA	NA	4-SMD, Gull Wing	CEL	PS2513L-1-F3-A	YES	YES
BODE100-101	2	CONN HEADER	1	NA	Through Hole	E-Mark	01-1014	YES	YES
GNDB100	1	CONN HEADER	1	NA	Through Hole	E-Mark	01-1023	YES	YES
RET100 RETS10	2	CONN HEADER Black	1	NA	Through Hole	E-Mark	01-1015	YES	YES
VOUT_C100 VOI	2	CONN HEADER	1	NA	Through Hole	E-Mark	01-1037	YES	YES
PRI_REG100	1	SIP Header	DNI			DNI	DNI	YES	YES
SEC_REG100	1	SIP Header	DNI			DNI	DNI	YES	YES
SW100	1	SWITCH SLIDE DIP	24V 25mA	NA	Gull Wing	Wurth	4.16131E+11	YES	YES
D100	1	DIODE GEN	100V 200mA	NA	SOD-123	ON Semiconductor	MMSD4148T3G	NO	YES
U100	1	Secondary Side CV/CC Secondary Side	1.25V	5% Referen	TSOP-6	On Semiconductor	NCP4328BSNT1G	NO	YES
Q100	1	PMOSFET	30V	NA	Power56	ON Semiconductor	FDMS6681Z	NO	YES
R105 R113-114	3	SMT Resistor	1.54k	±1%	603	Vishay	CRCW06031K54FKEA	YES	YES
R102	1	SMT Resistor	100k	±1%	603	Vishay	CRCW0603100KFKEA	YES	YES
R101 R111	2	SMT Resistor	20R	±1%	603	Stackpole	RNCP0603FTD20R0	YES	YES
R118	1	SMT Resistor	220R	±1%	603	Panasonic	ERJ-3EKF2200V	YES	YES
R110	1	SMT Resistor	24.9k	±1%	603	Vishay	CRCW060324K9FKEAC	YES	YES
R107	1	SMT Resistor	30.9k	±1%	603	Panasonic	ERJ-3EKF3092V	YES	YES
R106	1	SMT Resistor	33.2k	±1%	603	Vishay	CRCW060333K2FKEAC	YES	YES
R108-109	2	SMT Resistor	41.2k	±1%	603	Panasonic	ERJ-3EKF4122V	YES	YES
R103	1	SMT Resistor	49.9k	±1%	603	Vishay	CRCW060349K9FKEA	YES	YES
R104	1	SMT Resistor	5.49K	±1%	603	Vishay	CRCW06035K49FKEA	YES	YES
R117	1	SMT Resistor	7.5k	±1%	603	Vishay	CRCW06037K50FKEA	YES	YES
R100 R115-116	3	SMT Resistor	DNI		603	DNI	DNI	YES	YES
R119	1	SMT Resistor	DNI	±1%	603	Vishay	DNI	YES	YES
R112	1	SMT Resistor	15 mOhms	±1%	1206	Vishay	WSLP1206R0150FEA	YES	YES
CON100	1	USB C plug	1	5% Referen	SMT_TH	Wurth	6.32723E+11	YES	YES