

NCP81295MNTXG EVB Master BOM						
Designator	Quantity	Value	Footprint	Manufacturer	Part Number	Substitution Allowed?
IC1, IC2	2	N/A	QFN-32	ONSEMI	NCP81295MNTXG	NO
D3, D4	2	N/A	SOD-923	ONSEMI	BAS16P2T5G	NO
Q1	1	N/A	SO-8 FL	ONSEMI	NRVB2045EMFST1G	NO
D1, D2	2	N/A	DO-214AA	Littlefuse	SMBJ13A	NO
Q5, Q6, Q7	3	N/A	TO-236-3	ONSEMI	NTR3C21NZT1G	NO
Q4	1	N/A	TO-236-3	ONSEMI	NTR1P02LT1G	NO
D5	1	N/A	SOT-23	Vishay	BAT54C-G3-08	NO
Q2, Q3	2	N/A	SOT-23	ONSEMI	2N7002LT1	NO
IC3	1	N/A	SOT223	ONSEMI	LM1117MPX-50NOPB	NO
S1	1	N/A	-	C&K Components	ET01MD1SAPE	NO
S2	1	N/A	-	Würth Elektronik	430182043816	NO
C1, C2, C3, C4	4	680 uF, 35V	0.406" L x 0.406" W (10.30mm x 10.30mm)	Panasonic	EEE-FT1V681UP	YES
C5, C6, C7, C8, C11, C12	6	10 uF, 35V	805	-	-	YES
R3, R4, R5, R6, R8, R9, R10, R11, R12, R13, R15, R16, R31, R32, R33	15	0 ohm	603	-	-	YES
R1, R2	2	1 ohm	603	-	-	YES
R20, R21, R25, R26	4	2 k ohm, 0.05%	603	-	-	YES
R17, R18, R22, R23, R27, R34, R36, R37, R38, R100	10	10 k ohms	603	-	-	YES
R28, R29, R30	3	100k ohms	603	-	-	YES
R19, R24	2	158k ohm	603	-	-	YES
C21, C22	2	22 nF	603	-	-	YES
C9, C10, C15, C18	4	100 nF	603	-	-	YES
C14, C17	2	220 nF	603	-	-	YES
C19	1	1 uF	603	-	-	YES
C13, C16, C20	3	4.7 uF	603	-	-	YES
LED1, LED2	2	N/A	805	Würth Elektronik	150080GS75000	YES
LED3	1	N/A	805	Würth Elektronik	150080RS75000	YES
VIN Connector	1	N/A	-	Würth Elektronik	7464000	NO
VOUT Connector	1	N/A	-	Würth Elektronik	7464000	NO
GND connector	2	N/A	-	Würth Elektronik	7464100	NO
J1, J2	2	N/A	-	Würth Elektronik	7461059	NO
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37	37	N/A	-	Keystone Electronics	5197TR	NO
J4, J5	2	N/A	-	Kyocera AVX	209159006101116	NO
J6, J7	2	N/A	-	Harwin	M20-7820542	YES
J3	1	N/A	-	Würth Elektronik	61201021721	NO