

Designator	Name	Description
BG	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk
C1	10000pF	CAP CER 10000PF 50V X5R 0603
C2	50nF	CAP CER 50nF 50V X7R 0603
C3	GRM188R71H123KA01D	CAP CER 0.012UF 50V X7R 0603
C4	GRM188R71H123KA01D	CAP CER 0.012UF 50V X7R 0603
C5	CL10A475KP8NNNC	Cap Ceramic 4.7uF 10V X5R ±10% Pad SMD 0603 +85°C T/R
C6	CL10A475KP8NNNC	Cap Ceramic 4.7uF 10V X5R ±10% Pad SMD 0603 +85°C T/R
C7	GRM188R71H123KA01D	CAP CER 0.1UF 50V X7R 0603
C8	GRM188R71H123KA01D	CAP CER 0.1UF 50V X7R 0603
C9	GRM188R61A124KA01D	CAP CER 2nF 50V X5R 0603
C10	CL10A475KP8NNNC	Cap Ceramic 4.7uF 10V X5R ±10% Pad SMD 0603 +85°C T/R
C11	0.47μF	CAP CER 0.47UF 50V X5R 0603
C12	0.47μF	CAP CER 0.47UF 50V X5R 0603
C13	0.47μF	CAP CER 0.47UF 50V X5R 0603
C14	OPT	CAP CER OPT 50V NP0 0603
C15	100pF	CAP CER 100pF 50V NP0 0603
C16	CL10A475KP8NNNC	Cap Ceramic 4.7uF 10V X5R ±10% Pad SMD 0603 +85°C T/R
CapSelect	SAMTEC-TMM-102-02-X-D	Low Profile Tiger Eye™ Header Strips, 2.00 mm Pitch - 4 Pos - 2 Row
CBOOT1	0.10μF	CAP CER 0.1UF 50V X7R 0603
CC1	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CC2	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CC3	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CC4	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CC5	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CC6	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CC7	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CIN1	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel

CIN2	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CIN3	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CIN4	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CIN5	C1608X5R1H105K080AB	Chip Capacitor, 1 uF, +/- 10%, 50 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel
CL1	GRM188R71A225KE15D	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 2.2uF, X7R, 15%, 10%, 10V
CL2	GRM188R71A225KE15D	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 2.2uF, X7R, 15%, 10%, 10V
COUT1	CC0603KRX5R6BB475	CAP CER 4.7UF 10V X5R 0603
COUT2	CC0603KRX5R6BB475	CAP CER 4.7UF 10V X5R 0603
COUT3	CC0603KRX5R6BB475	CAP CER 4.7UF 10V X5R 0603
COUT4	CC0603KRX5R6BB475	CAP CER 4.7UF 10V X5R 0603
COUT5	CC0603KRX5R6BB475	CAP CER 4.7UF 10V X5R 0603
D1	TLMS1000-GS08	Low Current LED, 40 mW, 1.8 V, -40 to 100 degC, 2-Pin SMD (0603), RoHS, Tape and Reel
D2	HSME-C191	LED GREEN DIFFUSED 0603 SMD
D3	HSME-C191	LED GREEN DIFFUSED 0603 SMD
D4	HSME-C191	LED GREEN DIFFUSED 0603 SMD
DB	MAX16054AZT+	On/Off Controller with Debounce and +/-15kV ESD Protection, 6-Pin SOT, -40°C to +125°C, Pb-Free
DS	RB521SM-60T2R	Schottky Diode
IC2	TPS3701DDCT	Integrated Circuit
ITH	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk
L1	SRP1270-100M	Inductor
LC_MODE	SAMTEC-TMM-103-02-X-D	Low Profile Tiger Eye™ Header Strips, 2.00 mm Pitch - 6 Pos - 3 Row
LDO	ADP7142AUJZ-R7	IC REG LIN POS ADJ 200MA TSOT23
LIN1	7447786001	SMD-Shielded Power Inductor WE-PD, L = 1.00 µH
Q1	BSC0924NDI	N-MOSFET; unipolar; 30V; 40A; 2.5W; PG-TISON-8
R1	ERJ-3EKF9532V	RES SMD 95.3K OHM 1% 1/10W 0603
R2	ERJ-3EKF4993V	RES SMD 499K OHM 1% 1/10W 0603
R3	ERJ-PA3J243V	RES SMD 24K OHM 5% 1/4W 0603
R4	4.7k	RES SMD 4.7K OHM 1% 1/10W 0603

R5	82k	RES SMD 82K OHM 5% 1/4W 0603
R6	ERJ3EKF1002V	Chip Resistor, 10 KOhm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel
R7	ERJ3EKF1002V	Chip Resistor, 10 KOhm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel
R8	OPT	RES SMD OPT OHM 1% 1/10W 0603
R9	ERJ-3EKF1003V	RES SMD 100K OHM 1% 1/10W 0603
R10	ERJ-3GEYJ185V	RES SMD 1.8M OHM 5% 1/10W 0603
R11	ERJ-3EKF1000V	RES SMD 100 OHM 1% 1/10W 0603
R12	ERJ-3EKF8452V	RES SMD 84.5K OHM 1% 1/10W 0603
R13	ERJ-3EKF3572V	RES SMD 35.7K OHM 1% 1/10W 0603
R14	100k	RES SMD 100K OHM 1% 1/10W 0603
R15	ERJ-PA3F1500V	RES SMD 150 OHM 1% 1/4W 0603
R16	ERJ-3EKF1601V	RES SMD 1.6K OHM 1% 1/10W 0603
R17	ERJ-PA3F1500V	RES SMD 150 OHM 1% 1/4W 0603
R18	ERJ-PA3F1500V	RES SMD 150 OHM 1% 1/4W 0603
R19	ERJ-PA3J100V	RES SMD 91 OHM 5% 1/4W 0603
RDamp1		1 RES SMD 1 OHM 1% 1/10W 0603
RG1		1.6 RES SMD 1.6 OHM 1% 1/10W 0603
RG2		1.6 RES SMD 1.6 OHM 1% 1/10W 0603
RSense1	WSL1206R0150FEA	RES 0.015 OHM 1% 1/4W 1206
RV1	3362P-1-503TLF	Trimmer Resistors - Through Hole 1/4" SQ TRIMPOT 50K ST CERMET
RV2	3362P-1-503TLF	Trimmer Resistors - Through Hole 1/4" SQ TRIMPOT 50K ST CERMET
RV3	3362R-1-222	2.2 kOhms 0.5W, 1/2W PC Pins Through Hole Trimmer Potentiometer Cermet 1 Turn Top Adjustment
RV4	3362R-1-222	2.2 kOhms 0.5W, 1/2W PC Pins Through Hole Trimmer Potentiometer Cermet 1 Turn Top Adjustment
SPDT	SN74LVC1G3157DBVR	Integrated Circuit
SW	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk
SW1	B3S-1000	Sealed Tactile Switch, SPST-NO, 3 to 24 V, -25 to 70 degC, 4-Pin SMD, RoHS, Bulk
SyncBuck	SAMTEC-TMM-102-02-X-D	Low Profile Tiger Eye™ Header Strips, 2.00 mm Pitch - 4 Pos - 2 Row
TG	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk

Track/SS	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk
U2	LTC7800EUDC#PBF	DC/DC Cntrlr Single-OUT Sync Buck 320kHz to 2250kHz Automotive 20-Pin QFN EP Tube
U3	SN74LVC2GU04DCKT	Dual Inverter, DCK0006A, SMALL T&R
VCC	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk
Vin-/GND	FCR7350	Connector
Vin+	FCR7350	Connector
Vout-	FCR7350	Connector
Vout+_m	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk
Vout+	FCR7350	Connector
Vout+_m	5-1634503-1	Female Header, Pitch 3.13 mm, Height 13.7 mm, Tail Length 4.5 mm, -55 to 85 degC, RoHS, Bulk