

















	Description Automotive 12 bit. 1	Designator	footprint	LibRof
ADS7951QDBTRQ1	MSPS, 8 Channel, Single-Ended, SAR ADC Battery Management	ADC1, ADC2	TSSOP30_ADS7951	ADS7951QDBTRQ1
BQ79616FAPR	16-S precision battery monitor, balancer and integrated protector with stacking	BQ1, BQ2	HTQFP65_BQ79616	8Q79616FAPR
220n	Interface 1210 SMD Capacitor	C1, C2	1210_SMD_C	1210_SMD_Capacitor
tu	0603 SMD Capacitor	C1, C2 C3, C4, C13, C14, C15, C16	0603_SMD_C	0603_SMD_Capacitor
2.2u 0.1u	0603 SMD Capacitor 0603 SMD Capacitor	C5, C6 C7, C8, C11, C12	0603_SMD_C 0603_SMD_C	0603 SMD Capacitor 0603 SMD Capacitor
1.7u 22u	0603 SMD Capacitor 0805 SMD Capacitor	C9, C10 C17, C40	0603 SMD_C 0805 SMD_C	0603 SMD Capacitor 0805 SMD Capacitor
he .	DEDS SMID Connection	C18, C20, C21, C23, C24, C33, C34, C35	0805_SMD_C	0805_SMD_Capacitor
		C18, C20, C21, C23, C24, C33, C34, C35, C36, C37, C38, C39 C19, C22, C41, C42,		
10u	0805 SMD Capacitor	CH3 C25, C26, C27, C28,	0805_SMD_C	0805_SMD_Capacitor
100n	0805 SMD Capacitor	C29, C30, C31, C32 C44, O65, C62, C63,	0805_SMD_C	0805_SMD_Capacitor
150p	0805 SMD Capacitor		0805_SMD_C	0805_SMD_Capacitor
150p	0603 SMD Capacitor	C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61 C65, C66, C67, C68, C69, C70, C71, C72,	0603_SMD_C	0603_SMD_Capacitor
470n	D003 SMD Cupacitor	205, Cap, CaY, Cap, CaY, Cap, CaY, Cap, CaY, Cap, CaY, Cap, Cay, Cay, Cay, Cay, Cay, Cay, Cay, Cay	ascos_santo_c	GGCS_SMD_Cupusitor
170n 10n	0805 SMD Capacitor 0805 SMD Capacitor	C131, C132 C133, C134	0805_SMD_C 0805_SMD_C	0805_SMD_Capacitor 0805_SMD_Capacitor
220p	0603 SMD Capacitor	C135, C134 C135, C136, C141, C142	0603_SMD_C	0603_SMD_Capacitor
2.2n	D6G3 SMD Capacitor	C137, C138, C139, C140	0603_SMD_C	0603_SMD_Capacitor
824500241	TVS Diode (Uni- directional)	01	SMA_824500241	824500241
010_1	tak	F1, F2, F3, F4, F5, F6, F7, F8, F9, F92, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30, F31, F32, F33	1206_C10	Bel Fuse 1206 1A
Header 1x2	Header, 2-Pin TE CONNECTIVITY - 1318745-2 -	n	HDR_1X2_2.54_THD	Header 1x2
131876-2	Automotive Connector, TH 025 Series, Right Angle	12	TH025_32P	TE THV.25 32P TH
1318384-2	Plug, 32 Contacts, Crimp Pin. 1E Connectivity TH 025 Series, 2 Row 40 Way Through Hole Socket Automotive Header Connector, Automotive wiring Vin Header 2 Mem.	в	TH025_40P	TE THV.25 40P TH
Header 1x3	Pin Header 2.54mm Pitch STR DEP, Tx3Pin, G/F, LCP, 8.08mm*2.54mm*3.1 8mm, Color-Black, Bag	34, 25, 310, 311, 312	HDR_TX3_2.54_THD	Header 1x3
Header 1x5	Header 1x5 LDO Voltage Regulators 500-mA, Low IQ, Small Size, Low Dropout Regulator 5-501-23	J14, J15 EDIO1, LDIO2	50T23-5_TLV75533	Hoader 1x5 3V 500mA LDO
RED	40 to 125 SMD LED	LED1, LED2, LED3,	0805_SMD_LED	0805LED Generic
CREEN	SMDLED	LEDA, LEDA LEDS	OBUS_SMD_LED	0805LED Generic
NTCS0805E3104DKT	NTC Thermistors 100Kohms 5% SMD	NTC1, NTC2, NTC3	0805_SMD_R	0805_SMD_NTC_Ther mistor_100k
DPA2192IDGKT	36-V, Precision, 980D, Low Offset Voltage, Low Input Blas Current Op Amp With	CPA1	VSSOPB_OPA2192	OPA2192IDGKT
-	e-trim CUI Inc., 1 A Output Current, 6-36 Vdc Input, 3 Pin SIP, Non-	PS1		24-5 Power Convertor
VX07805-1000	Isolated, Dc-Dc Comwitter		V9078xx-1000	
VXC07805-1000 PDSE1-524-55-M	soluted, Dc-Dc Converter CUI Inc., DC-DC ISOLATED, SVDC Imput, 1 W, 4.5-5.5	PS2	PDSE1-Sax-Sa-M	24-5 Isolated Power Converter
	Isolated, Dc-Dc Converter CUI Inc. DC-DC	PS2 01, 02, 03, 04	PDSE1-Saxx-Sax-M FD252-3_DXTN400HE	24-5 Isolated Power Converter ZXIN4004KTC
	Isolated, Dc-Dc Converter CUI Inc. DC-DC	P32 01, 02, 03, 04 R1, 83 R2, R4		Convertor
	Included, Do-Do Comwerter CHI Inc., DC-DO ISOLATED, SVDC Imput, 1 W, 4.5-5.5 WDC Translator 2010 SMD Resistor	01, 02, 03, 04 R1, R3 R2, R4 R5 R6, R7, RE, R9, R10	PDSE1-Saxx-Sa-M TO252-3_ZXTN4004E 2010_SMD_R	Convertor ZXTN4004KTC 2010_SMD_Resistor
	Included, Do-Do Comwerter CHI Inc., DC-DO ISOLATED, SVDC Imput, 1 W, 4.5-5.5 WDC Translator 2010 SMD Resistor	01, 02, 03, 04 R1, R3 R2, R4 R5 R6, R7, RE, R9, R10	PDSE1-Saxx-Sa-M TO252-3_ZXTN4004E 2010_SMD_R	Convertor ZXTN4004KTC 2010_SMD_Resistor
	Included, Do-Do Comwerter CHI Inc., DC-DO ISOLATED, SVDC Imput, 1 W, 4.5-5.5 WDC Translator 2010 SMD Resistor	01, 02, 03, 04 81, 83 82, 84 85 86, 87, 88, 89, 810 811, 812 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824,	PDSE1-Saxx-Sa-M TO252-3_ZXTN4004E 2010_SMD_R	Convertor ZXTN4004KTC 2010_SMD_Resistor
PDSE1-524-55-M ZXTIN4004KTC 200 200 200 200 200 200	inclated, Do-Do Conventer CUI Inc., Dr-Do SOLATED, SVDC input, 1 W, 45-5-5 VDC Translator 2010 SMD Resistor 2010 SMD Resistor 2010 SMD Resistor 2010 SMD Resistor 2010 SMD Resistor 2010 SMD Resistor 2010 SMD Resistor	01, 02, 03, 04 81, 83 82, 84 85 86, 87, 88, 89, 810 811, 812 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828	P05E1-Sax-Se-M F0252-3_2031M4004E 2010_SMD_R 2010_SMD_R 2005_SMD_R 2005_SMD_R 2005_SMD_R	Convertor ZXIN4004CTC 2010_SMD_Resistor 2010_SMD_Resistor 2010_SMD_Resistor 2005_SMD_Resistor 2005_SMD_Resistor 2005_SMD_Resistor
POSE1-524-55-M 2X IN400467C 200 300 303 300 300 300 300 300 300 300	holated, Dr. Ot. Conventer CDI Inc., Dr. Ot. CDIA TED, SVICE Appel, 1 W, 45-5.5 VOC. STOCK SMD Resistor 200.5 MD Resistor	\$1, G2, G3, G4 \$1, R2 \$2, R4 \$	PCGE1-Sox-Sir-M FCGS3-3_DXTN400046 2010 SAMD R 2010 SAMD R	Convertor ZEBNEDACIC ZEBNEDA
POSE1-524-55-M 2X IN400467C 200 300 303 303 300 300 300 300 300 300	Pacificity Co-Ci - Commission Co-Ci - Constitution Co-Ci - CAMITE SINCE -	21 C2 C3 C4	PODE 1 Stor Se M (TODES) THE WORK R (TODES) THE WORK R 2015 MAR R 2005 MAR R	Converted: 2019-0602 (2019-0602) (2019-060
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