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DEFCON_2017_QCM.PrjPcb Project: Variant:

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Bolleton L. Boost (1988) Boost (1988) Corp. 25 Corp. Cor	Footprint	Comment	LibRef	Designator	Description	Quantity
Color Colo	CAPC0603(1			C1	CAP 1uF 16V ±20% 0603 (1608 Metric)	1
Color Colo	608)100_L	0603(1608)		00 00 04 05 00 07 00 05 00	Thickness 1mm SMD	
CAP-CAPER CAP-CAPE Feb CAP-CAPE CA	CAPC0603(1 608)100 I	ORD 1000F 6.31	02577 ₋ 1		Thickness 1mm SMD	21
CAPCODESIGN CAP File 6 3V CAP	,			C31, C37, C44		
CAPCODESIGN CAP File 6 3V CAP				C10, C18, C19, C20, C21, C35		6
Common	608)55_L CAPC0603(1	0603(1608) CAP 1uF 6.3V	02/64-1 CMP-1035-		CAP1uF63V +20% 0603/1608Metrid	7
101/2165_N B 0005(2012) 102/2027 DO CAPP-10205 C 2027-10205 C 2027-102	608)100_L	0603(1608)	02731-1		Thickness 1mm SMD	
CAPCODED (CAP 27)F 50V (JM-1035-000) (CAP 27)F 50V (JM-103	CAPC0805(2	CAP 10uF 6.3V		C25, C34, C36, C38, C40, C42, C45		7
Color Colo	012)155_N	0805(2012)		C32 C33	Thickness 1.55mm SMD	,
CAPCAGEO(C) (CAP 47P 590) (CMP-103F-000) (CAP 47P 500) (CMP-103F-000) (CAP 47P 500) (C	608)100 M	0603(1608)	00886-1	C32, C33	Thickness 1mm SMD	
CAPCIDICA (CAP 1006-50) (CAP 1	CAPC0603(1	CAP 47pF 50V	CMP-1035-	C49, C52	CAP 47pF 50V ±20% 0603 (1608 Metrid)	2
B089100, M B0801(1689) B	608)100_M	0603(1608)	01065-1		Thickness 1mm SMD	_
CAPCADEGRO (CAP 4-7F 50V GMP-1035-CGS) GODA-1050(10) A DOSCION (CAP 4-7F 50V GMP-1035-CGS) TO CAP		0603(1608)		C50, C51	Thickness 1mm SMD	
SODE-1 GOVER SERITAT-TP SODE-1	CAPC0603(1	CAP 4.7nF 50V	CMP-1035-	C53	CAP 4.7nF 50V ±20% 0603 (1608 Metric)	1
12-73 C191KSKT	608)100_N	0603(1608)			Thickness 1mm SMD	
TST-	SODFL160X	B5817X-TP	B5817X-TP	D1, D10, D11	DIODE SCHOTTKY 20V 1A SOD523	3
THE C191KSKT	DIOC1608X0	LTST-	LTST-	D2 1. D2 2. D2 3. D2 4. D3 1. D3 2.	Yellow 591nm LED Indication - Discrete	32
DB. 3. DB. 4. D7. 1. D7. 2. D7. 3. D7. 4. D9. 1. DB. 2. DB. 3. DB. 4. DB. DB. 3. DB. 3. DB. 4. DB. 3. DB. 3. DB. 4. DB. 3. DB. 4. DB. 3. DB. 3. DB. 4. DB. 3. DB. 3. DB. 4. DB. 3. DB. 3. DB. 3. DB. 4. DB. 3. DB. 3. DB. 4. DB. 3.	7N	C191KSKT	C191KSKT	D3_3, D3_4, D4_1, D4_2, D4_3, D4_4,	2.1V 0603 (1608 Metric)	
Buttispec				D5_1, D5_2, D5_3, D5_4, D6_1, D6_2,		
BLM18PC330S CMP-0689-07-08-07-08-07-08-07-08-07-08-07-08-07-08-07-08-07-08-07-08-07-08-07-08-07-08-07-08-08-07-08-08-07-08-08-08-08-08-08-08-08-08-08-08-08-08-				D8 1 D8 2 D8 3 D8 4 D9 1 D9 2		
BLM18PC N1D				D9_3, D9_4		
### SMD, Tape and Reel ### SM				FB1, FB2, FB3		3
2. V6 B008 induction 120nH 2% 0800 120nH 2% 0800 11.03 ACT45L-201-2 ACT45L-201-2F ACT45L-201-2F 12 Choise Surface Mount 100nA DCR 4.5 0 TL000 ACT-1009 Debug Header 5 P3, P11 Header 5-Pin Header 5-Pin Choise Surface Mount Vertical 100nA DCR 4.5 0 TL000 ACT-1009 ACT-1009 ACT-1009 P4 Header 5-Pin Header 5-Pin Header 5-Pin Choise Surface Mount Vertical 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 1.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 P4 Mount 100nA DCR 4.5 0 TL000 Select 1010HDR 96 310.0 P4 Mount 100nA DCR 4.5 0	BLM18PG-	N1D	00590-3		3000 mA, -55 to 125 degC, 1.6 x 0.8 x 0.9	
2003 MacCot 120					mm SMD, Tape and Reel	
SXYZ Micro		120nH 2% 0805	120nH 2% 0805	L1, L3		2
SXYZ Micro						
SXYZ Micro	ACT45L-201-	ACT45L-201-2F	ACT45L-201-2F	L2		1
USB		12000	12000			
Header 5			SXYZ MicroUSE	P2	Micro USB Connector	1
AOT-1009 AOT-1009 AOT-1009 IDZ74WVX-P. IDZ74WXX-P. IDZ				Do D44	Useder 5 Pis	
D1274WV-XP D1274WV-XP D1274WV-XP D1274WV-XP D10	AOT-1009		AOT-1009	P3, P11	Female ORD2 PCR Mount Vertical	1
Strict Delication Delicat	D1274WV-XI	D1274WV-XP-	D1274WV-XP-	P5	LDZY Micro-Match 10 Circuit	1
S282-PH-K-S S28-PH-K-S S2	10		10			
TFP092-12B TFP	3x10HDR	OBD2 Select	3x10HDR			1
HORIX2 LPU2 Header 3 P10 Header 2 P12 Header 3 P10 CMP-1099- CMP-1099- CMP-1099- CMP-1099- CMP-1099- CMP-1012- CMP-1099- CMP-1012- CM	TED00-2-12D			P9	MicroSD Card Slot	1
NIF-PG	HDR1X3	LPU2	Header 3	P10	Header, 3-Pin	1
SOT23.N 00027-1 00027-1 00027-1 RESC0603(1 to K 5% 0007-1 RT 1, RE, R7, R8, R9, R16, R22, R27, R28 TOK 0.1W 5% 0603 (1608 Metric) SMD 12 00037-1 0	HDR1X2		Header 2	P12	Header, 2-Pin	1
RESC0603(1 to K.9%		BSS314PE		Q1	P-Channel OptiMOS P3 Small-Signal-	1
RESC0603(1 to K.9%					degC, PG-SOT23, Reel, Green	
216), L 1206(3216) 00067-1				R1, R6, R7, R8, R9, R16, R22, R27, R28	10K 0.1W 5% 0603 (1608 Metric) SMD	13
216), L 1206(3216) 00067-1	608)_N pesc1206/2	0603(1608) 610P 6%		R29, R37, R38, R39	610P 0 26W 6% 1206 (2216 Metric) SMI	,
CAC- MNR18ERAPJI MNR18ERAPJ R3, 1, R3, 2, R3, 3, R3, 4 RES ARRAY 8 RES 100 OHM 1606 609 N			00067-1	N2	510K 0.25W 5% 1206 (3216 Metric) SMI	ľ'
18N ESC0603(1 1 M 5%	CAC-	MNR18ERAPJ1	MNR18ERAPJ1	R3_1, R3_2, R3_3, R3_4	RES ARRAY 8 RES 100 OHM 1606	4
RESCOBO3(1 1 M 5% CMP-1012- 003), N 003(160) MRTHERRAPJINNRISERAPJY RT1 RESCARRAY 8 RES 10K OHM 1606 10 MRTHERRAPJINNRISERAPJY RT1 RESCARRAY 8 RES 10K OHM 1606 10 MRTHERRAPJINNRISERAPJY RT1 RESCARRAY 8 RES 10K OHM 1606 10 MRTHERRAPJINNRISERAPJY RT1 RESCARRAY 8 RES 10K OHM 1606 10 MRTHERRAPJINNRISERAPJY RT1 RESCARRAY 8 RES 10K OHM 1606 10 MRTHERRAPJINNRISERAPJY RT1 RESCARRAY 8 RES 10K OHM 1606 11 MRTHERRAPJINNRISERAPJY RT1 RESCARRAY 8 RES 10K OHM 1606 11 MRTHERRAPJINNRISERAPJY RT1		01	01			
0003/1608 00146-1 001	DESCUEUS/1	1M 5%	CMP-1012	P10	1M 0 1W 5% 0603 (1608 Motric) SMD	
CAC- DMN1818CRAPJINNR18ERAPJINNR18ERAPJINNR11 RES ARRAY 8 RES 10K OHM 1606 16N RES OF SOFT AND 16N RES OFT AND 16N	608)_N	0603(1608)	00146-1			
16N RESC0603(1 22 8 9 % 00034-1	CAC-	MNR18ERAPJ1		R11	RES ARRAY 8 RES 10K OHM 1606	1
RESCO603(1 22R 5% 600) 1.00 603 (1600) Metric) SMD 600, N 6003(1600) Metric) SMD 600		03	03			
608) N 003(1608) 00034-1 RESC0603(1 608 Metric) SMD 003(1608) 0071-12 R21 360K 0.1W 5% 0603 (1608 Metric) SMD 003(1608) 0071-12 R21 360K 0.1W 5% 0603 (1608 Metric) SMD 1 1 1 1 1 1 1 1 1	RESC0603/1	22R 5%	CMP-1012-	R12	22R 0 1W 5% 0603 (1608 Metric) SMD	1
609.) N 0003(1609) 00722-1 872 0074-1 978 078 0.1 W 5% 0603 (1608 Metric) SMD 1 1 0003(1609) 00735-1 872 0074-1 978 078 0.1 W 5% 0603 (1608 Metric) SMD 1 1 0003(1609) 00735-1 872 078 078 078 078 078 078 078 078 078 078	608)_N	0603(1608)	00034-1		· · · ·	
RESCO603(1 686 5% 600) M 6003(1600) Model 1 RESCO603(1 680 Metric) SMD 600) M 6003(1600) M 6003(RESC0603(1		CMP-1012-	R13, R14, R15, R18, R19, R23, R24, R2	100K 0.1W 5% 0603 (1608 Metric) SMD	9
609.] M				R36	6K9 0 1W 5% 0603 (1609 Matric) SMD	
RESCOBOS(1) 450(6.5% GOMP-1012- GOS) 1, GOS(1609) 1036-1 RESCOBOS(1) 450(6.5% GOS(1609 Metric) SMD 1 RESCOBOS(1,000 Metric) SMD 1 RESCOBOS(1,00	608)_M		00094-1		, , , , , , , , , , , , , , , , , , , ,	
RESCO603(1338 9% CMP-1012- 608)). M 6003(1609) MESCO603(1434 5% CMP-1012- 608)). M 6003(1609) MESCO603(1408) ME	RESC0603(1	360K 5%	CMP-1012-	R20	360K 0.1W 5% 0603 (1608 Metric) SMD	1
BOB3 M D003(1608) D0038-1	608)_L			D24	22D 0 41M E9/ 0002 (4000 Matria) CMD	
RESCOBOS(1) 438 (%) 6003 (1608 Metric) SMD 0809) M 6003(1609) M 6003(1				K21	33K 0.1W 5% 0003 (1606 Metric) 3MD	
608) N 0603(1608) 00363-1	RESC0603(1	43K 5%	CMP-1012-	R26	43K 0.1W 5% 0603 (1608 Metric) SMD	1
608) N 0603(1608) 00363-1	608)_M	0603(1608)		Dog Dog Dog Dog	40D0 0 41W 40V 0000 (4000 March)	
RESCOGOS(1) 1K 5%. CMP-1012- 608), L 0003(1608) 00074- 500(); 27P6 TJA1027T/20,1 TJA1027T/20,1 U1 50C(); 27P6 TJA1027T/20,1 TJA1027T/20,1 U2,1, U2,2, U2,3, U2,4 50C(); 27P6 TJA1048T TJA1048T TJA1048T TJA1048T U4, U5 50C(); 27P6 TJA1048T TJA1048T TJA1048T U4, U5 50C(); 27P6 TJA1048T TJA1048T TJA1048T U5, U5 50C(); 27P6 TJA1048T TJA1048T TJA1048T U5, U5 50C(); 27P6	608) N	49K9 1% 0603(1608)	00363-1	N3U, N3 I, K3Z, K33	#9K9 U. IVV 1% UBU3 (1BU8 Metric) SMD	4
SICIC 127P6 T JAN 0277/20, 1 T JAN 10277/20, 1 U 1 SICK 178 M I 18 SICK	RESC0603(1	1K 5%	CMP-1012-	R34, R35	1K 0.1W 5% 0603 (1608 Metric) SMD	2
XX175-88 8 8 8 8 8 8 7 7 7	608)_L			· ·		
ISOPERSPRAITAHCS9SPW.1174HCS	SOIC127P60		TJA1027T/20,1	U1	IC TXRX LIN 2.2/SAE 8SOIC	1
X110-16N 8 8 8 8 8 9 9 9 9 9	TSOP65P640		74HC595PW.11	U2 1. U2 2. U2 3. U2 4	IC SHIFT REGISTER 8BIT 16TSSOP	4
100/4200/1615 15	X110-16N		8			
0-144N Dual high-speed CAN transceiver with Standby mode Stand		MK60FX512VL0		U3	Kenetis K60 512k/128k TQFP144	1
Us, US		15	15			
SONSOP300MC34673AEPFMC34673AEPFU06 Bitgh Input Voltage 1.2A Charger for Singl 65, H3-9N 2 SOT236P704 Z2+117C-H 2 SOT236P704 Z2+17C-H 2 SOT236P704 Z2+17C-H 2 SOT369P704 Z2+17C-H 2 SOT369P705 Z2+17C-H 2 SOT369P706 Z2+17C-H	SOP127P600	TJA1048T	TJA1048T	U4, U5	Dual high-speed CAN transceiver with	2
15, HS-9N 2	X175-14N				Standby mode	
SOT230P070JZ21117CH- Linear Voltage Regulator IC Positive Fixe 17		MC34673AEP/R	MC34673AEP/F	U6	High Input Voltage 1.2A Charger for Singl	1
X180-M S.OTRG S.OTRG S.OTRG SV 1 A SOT-Z23 SV 1 SOT-Z23 SV 1 SOT-Z25 SV 1 SV		AZ1117CH-	AZ1117CH-	U7		1
TSOFFBOPT PS32X1444LATTC PS32X1444LATC U9 S32X144 TOFF 64 512X64K Cortex-Mafe 1	X180-4N	5.0TRG	5.0TRG		5V 1A SOT-223	
TSOFFBOPT PS32X1444LATTC PS32X1444LATC U9 S32X144 TOFF 64 512X64K Cortex-Mafe 1				U8	Linear Voltage Regulator IC Positive Fixe	1
00X1200X16VLHA OPENDROOUT TAIL 100HN OPENDR	145-5N TSOEP50P11	3.31M5-1K PS32K144LIATA	3.3YM5-1R P\$32K14411AT/	I I Q	Output 3.3V 300mA SO1-23-5 S32K144 TOEP 64 512K/64K Cortox M48	
0-64N CPROPRIOR CPROPRIOR	00X1200X16				COLICIPATION OF STENOAR CUITEX-MAI	1
Automotive Ethernet 37N	0-64N		l			
737N		TJA1100HN	TJA1100HN	U10		1
CSM-3X	600X100_HS 37N		l		Automotive Ethernet	
TR TR CSM-3X ECS-120-20-3X ECS-120-20-3X Y2 CRYSTAL 12.0000MHZ 20PF SMD 1 TR T	CSM-3X			Y1	CRYSTAL 25.0000MHZ 20PF SMD	1
TR TR 156						
156	CSM-3X			12	CKYSTAL 12.0000MHZ 20PF SMD	1
						156
	Approved		Notes			