Designator	Value	Comment	Description	Footprint	Quantity
AC1		PWM_CONTROL LIS3DHTR	Header, 6-Pin Accelerometer	HDR1X6 LIS3DHTR	1
			C0805C104K8RACTU. 0.1µF ±10% 10V		
C1	0.047µF	10V	Ceramic Capacitor X7R 0805 (2012	C0805	1
			Metric)		
			C0805C104K8RACTU. 0.1uF ±10% 10V		
C2	1μF	10V	Ceramic Capacitor X7R 0805 (2012	C0805	1
			Metric)		
			C0805C103K8RAC7800		
			. 10000pF ±10% 10V Ceramic Capacitor		
			X7R 0805 (2012		
C3, C8, C20, C21, C22, C23, C24, C38, C39	0.1uF		Metric) , C0805C104K8RACTU.	C0805	9
			0.1µF ±10% 10V Ceramic Capacitor		
			X7R 0805 (2012 Metric)		
			C0805C104K8RACTU. 0.1µF ±10% 10V		
C4, C5, C6	1000pF		Ceramic Capacitor X7R 0805 (2012	C0805	3
			Metric)		
			CL21B105KPFNNNE.		
C7	4.7uF		1μF ±10% 10V Ceramic Capacitor	C0805	1
	4.701		X7R 0805 (2012 Metric)	00000	
			C0805C104K8RACTU.		
			0.1µF ±10% 10V		
			Ceramic Capacitor X7R 0805 (2012		
C9, C19	1uF		Metric) , CL21B105KPFNNNE.	C0805	2
			1μF ±10% 10V Ceramic Capacitor		
			X7R 0805 (2012 Metric)		
	1	1	,		
C10	10uF	100V Ceramic	Polarized Capacitor (Surface Mount)	CAPAE660X800N	1
			C0805C225K8RACAUT O. 2.2µF ±10% 10V		
C11, C12	2.2uF	10V	Ceramic Capacitor X7R 0805 (2012	C0805	2
			Metric)		
			C0805C104K8RACTU.		
C13, C42, C43	10uF	10V	0.1µF ±10% 10V Ceramic Capacitor	C0805	,
			X7R 0805 (2012 Metric)		
C14 C1/	100uF	100V	Polarized Capacitor	CADAC((0)(00	
C14, C16	100uF	100V	(Surface Mount) C0805C104K8RACTU.	CAPAE660X800N	2
			0.1µF ±10% 10V		
C15, C25, C34, C37	0.1uF	10V	Ceramic Capacitor X7R 0805 (2012	C0805	4
			Metric)		
			C0805C104K8RACTU. 0.1µF ±10% 10V		
C17, C26, C33, C35	0.1μF	10V	Ceramic Capacitor X7R 0805 (2012	C0805	4
			Metric)		
			C0805C103K8RAC7800		
C18	10nF		. 10000pF ±10% 10V Ceramic Capacitor	C0805	
	Ionii		X7R 0805 (2012 Metric)	00000	
			C0805C104K8RACTU.		
			0.1µF ±10% 10V		
C27, C28, C29	2200pF	10V	Ceramic Capacitor X7R 0805 (2012	C0805	3
			Metric)		
			C0805C104K8RACTU. 0.1µF ±10% 10V		
C30, C31	28pF	10V	Ceramic Capacitor X7R 0805 (2012	C0805	2
			Metric)		
			C0805C104K8RACTU.		
C32, C36, C41	47nF	10V	0.1µF ±10% 10V Ceramic Capacitor	00005	
	47NF	IOV	X7R 0805 (2012 Metric)	C0805	3
			-		
C40	0.1uF	0603YC104JAT2A	CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R, 0603	0603L	1
D1	Red	LTST-C170KRKT	LED, Red, SMD	LED_LTST-C170	1
IC1 P1		TMUX1208PWR 74650094R x2	Integrated Circuit Header, 2-Pin	SOP65P640X120-16N HDR1X2	1
P2 P3		CAN 74650094R x3	Header, 4-Pin Header, 3-Pin	HDR1X4 HDR1X3	1
P4	1		a manager of the second		
		PROGRAMMING	Header, 7-Pin CONN MICRO SD	HDR1X7	1
P5		PROGRAMMING DM3D-SF	CONN MICRO SD CARD PUSH-PULL	FP-DM3D-SF-MFG	1
Q1, Q2, Q3, Q4, Q5, Q6		PROGRAMMING	CONN MICRO SD		1
Q1, Q2, Q3, Q4, Q5, Q6 R1, R2, R4, R5, R6, R10, R14, R24, R25,		PROGRAMMING DM3D-SF	CONN MICRO SD CARD PUSH-PULL N-Channel Power	FP-DM3D-SF-MFG	
Q1, Q2, Q3, Q4, Q5, Q6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3		PROGRAMMING DM3D-SF NMOS-2	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET	FP-DM3D-SF-MFG TO-220AB	6
Q1, Q2, Q3, Q4, Q5, Q6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3 R7, R8, R15, R17, R19		PROGRAMMING DM3D-SF NMOS-2 10k 330 500u	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resistor Resistor	FP-DM3D-SF-MFG TO-220AB 0603 - Resistor 0603 - Resistor 0603 - Resistor	6
O1, O2, O3, O4, O5, O6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23		PROGRAMMING DMSD-SF NMOS-2 10k 330 500u 2.2k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resistor Resistor Resistor Resistor	FP-DM3D-SF-MFG TO-220AB 0603 - Resistor	6
O1, O2, O3, O4, O5, O6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23		PROGRAMMING DM3D-SF NMOS-2 10k 330 500u 2.2k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor	FP-DM3D-SF-MFG TO-220AB 0603 - Resistor 0603 - Resistor 0603 - Resistor 0603 - Resistor	6
O1, O2, O3, O4, O5, O6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23		PROGRAMMING DMSD-SF NMOS-2 10k 330 500u 2.2k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor No Micro	FP-DM3D-SF-MFG TO-220AB 0603 - Resistor	6
Q1, Q2, Q3, Q4, Q5, Q6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23 R13, R30, R32, R33	120	PROGRAMMING DMSD-SF NMOS-2 10k 330 500u 2.2k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	FP-DM3D-SF-MFG TO-220AB 0603 - Resistor	6
Q1, Q2, Q3, Q4, Q5, Q6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23 R13, R30, R32, R33	120	PROGRAMMING DM3D-SF NMOS-2 10k 330 500u 2.2k 100 50k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor No Micro	FP-DM3D-SF-MFG TO-220AB 0603 - Resistor	6
O1, O2, O3, O4, O5, O6 R1, R2, R4, R5, R6, R10, R14, R24, R25, R26 R3, R15, R17, R19 R9, R34, R25, R36 R11, R12, R23 R13, R30, R32, R33	120	PROGRAMMING DMSD-SF NMMOS-2 10k 300 500u 12-26 10c 50k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resis	FP-DMSD-SF-MFG TO-220AB 0603 - Resistor	6
O1, O2, O3, O4, O5, O6 RI, R2, R4, R5, R6, R10, R14, R24, R25, R6, R10, R14, R24, R25, R26 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23 R13, R30, R32, R33 R16	120	PROCRAM-MING DMSD-SF NMOS-2 10k 330 550u 2.2x 100 550k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resis	FP-DM3D-SF-MFG TO-220AB 0603 - Resistor	6
O1, O2, O3, O4, O5, O6 RI, R2, R4, R5, R6, R10, R14, R24, R25, R6, R10, R14, R24, R25, R26 R3 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23 R13, R30, R32, R33 R16 R16 R18, R27, R28, R29 R20, R21, R22	56	PROCRAMMING	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resis	FP-DMSD-SF-MFG TO-220AB 0603 - Resistor	6 11 1 5 4 3 3 4 1 1 1
O1, O2, O3, O4, O5, O6 RI, R2, R4, R5, R6, R10, R14, R24, R25, R6, R10, R14, R24, R25, R26 R3 R3 R7, R8, R15, R17, R19 R9, R34, R35, R36 R11, R12, R23 R13, R30, R32, R33 R16 R16 R18, R27, R28, R29 R20, R21, R22		PROCRAM-MING DMSD-SF NMOS-2 10k 330 550u 2.2x 100 550k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSFET Resistor Resis	FP-DMSD-SF-MFG TO-220AB 0603 - Resistor	6 11 1 5 4 3 3 4 1 1 1
OT, 02, 03, 04, 05, 06 BIT R2, R4, R5, R6, R10, R14, R24, R25, R10, R14, R24, R25, R20, R15, R17, R19 BIT R1, R12, R13, R17, R19 R13, R30, R32, R33 R16 R16, R27, R28, R29 R20, R21, R22 R21 R21, R21, R22 R21 R21, R22, R23	56	PROCRAMMING	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFET Resistor American Power Mossfer Power Mossfer Power Mossfer Power Powe	FP-DMSD-SF-MFG TO-220AB 0603 - Resistor	6 11 1 5 4 3 3 4 1 1 1
01 02 03 04 05 05 06 06 06 06 06 06 06 06 06 06 06 06 06	56	PROCRAMMING DMSD.SF NMOS-2 10k 330 500 500 50k 50k 50k 50k 5	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFET Resistor Resi	FP-DMED-SF-M/G TO-220AB 8663 - Resistor 9663 - Resistor	11 15 4 3 3 4 1 1
OF CO. O. O	56	PROCRAMMING	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFET Resistor American Power Mossfer Power Mossfer Power Mossfer Power Powe	PP-DMSD-SF-MFG TO-220AB 0603 - Resistor 0003 - Resistor 0003 - Resistor 0603 - Resistor	6 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
OF CO. CO. O. O. CO. ORI 12. O. M. ES. Be. RING REA EVA. ESS. REA REA REA REA REA REA REA RE	56 0.007	PROCRAMMING DMSD-SF	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSSET Resistor COS (100 Met Pub	FP-DMED-SF-MFG TO-220A8 2003 - Resistor	111 1 5 5 4 4 3 3 4 4 4 3 3 3 1 1 8 8 8 1 1
01 02 03 04 05 05 08 08 08 08 08 08 06 08 08 08 08 08 08 08 08 08 08 08 07 08 08 08 08 07 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08	56	PROCRAMMING DMSD.SF NMOS-2 10k 330 500 500 50k 50k 50k 50k 5	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFET Resistor American Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor American Resistor Resi	FP-DMED-SF-MFG TO -220A8 100-320A8 100-320	11 15 4 3 3 4 1 1
01 OZ 03 O4 O5. 67 AZ DA 155 Be. 68 AZ DA 155 Be. 68 AZ DA 155 Be. 69 AZ DA 155 Be. 60 AZ DA 155	56 0.007	PROCRAMMING DMSD.SF NMOS-2 10k 330 500 2.2k 100 50k 50k 50k 50k 50k 50k 50k	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFET Resistor Control of the Power MossFet Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor CONTROL OF THE RESISTOR OF THE RE	FP-DMED-SF-MFG TO-220AB 8663 - Resistor 9663 - Resistor	111 1 5 5 4 4 3 3 4 4 4 3 3 3 1 1 8 8 8 1 1
01 02 03 04 05 05 08 08 08 08 08 08 06 08 08 08 08 08 08 08 08 08 08 08 07 08 08 08 08 07 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08 08	56 0.007	PROCRAMMING DMSD-SF	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFT Resistor Control of the Power MoSFT Resistor CONTROL OF THE RESISTOR OF THE RES	FP-DMED-SF-MFG TO-220A8 2003 - Resistor	111 1 5 5 4 4 3 3 4 4 4 3 3 3 1 1 8 8 8 1 1
OF CO. O. O	56 0.007	PROCRAMMING	CONN MICRO SD CARD PUSISH PULL N-Channel Power MOSSET Resistor COGO (1060 Metric) Automotive AEC COGO TING Film Resistor RES. Sector, Six, 0.1W, 0603 RES. Sector, Six, 0.1W, 0603 RES. Sector, Six, 0.1W, 0603 RES SMO DOOT OHM TS. 3W 2512 NTC Themperature Sensor, SMD 0603, 10kg Switch Resistor Resisto	FP-DMED-SF-MVG TO-220AB 2003 - Resistor 2004 - Resistor 2005 - Resistor 2005 - Resistor 2006 - Resistor 2006 - Resistor 2006 - Resistor 2006 - Resistor 2007 - Resistor 2007 - Resistor 2008 -	6 6 111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
OF CO. O. O	56 0.007	PROCRAMMING	CONN MICRO SD CARD PULSIA PULL N-Channel Power MOSSET Resistor Res	FP-DMED-SF-M/G TO-220A8 2003 - Resistor 2005 - Resistor 2006 - Resistor 2006 - Resistor 2007	111 1 5 5 4 4 3 3 4 4 4 3 3 3 1 1 8 8 8 1 1
OF CO. O3. O4. O5. O5. O5. O4. O5. O6. RIZ. DR. MS. SE. BE. SION PH. POA. RES. POA. RIZ. BR. MS. SE. BE. RIZ. BR. MS. MS. MS. RIZ. BR. MS. MS. MS. MS. RIZ. BR. MS. MS. MS. MS. RIZ. BR. MS. MS. MS. MS. RIZ. RIZ. BR. MS. MS. MS. RIZ. RIZ. BR. MS. MS. MS. MS. RIZ. BR. MS. MS. MS. MS. RIZ. BR. MS. MS. RIZ. BR. MS. MS. RIZ. BR. MS. MS. MS. RIZ. BR. MS. MS. RIZ. BR. MS.	56 0.007	PROCRAMMING	CONN MICRO SD CARD PUSISH PULL N-Channel Power MOSSET Resistor COGO (1060 Metric) Automotive AEC COGO TING Film Resistor RES. Sector, Six, 0.1W, 0603 RES. Sector, Six, 0.1W, 0603 RES. Sector, Six, 0.1W, 0603 RES SMO DOOT OHM TS. 3W 2512 NTC Themperature Sensor, SMD 0603, 10kg Switch Resistor Resisto	PP-DMED-SF-MFG TO-220AB 8683 - Resistor 9683 - Resistor	6 6 111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
OF CO. OS. O4, O5. OFF, 122, DR. MS. SH. RING REAL REAL RES. RE	56 0.007	PROCRAMMING	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFT Resistor Resis	FP-DMED-SF-M/G TO-220A8 2003 - Resistor 2005 - Resistor 2006 - Resistor 2006 - Resistor 2007	6 6 111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
01 02 03 04 05 30 7.0 pt 85 pt 85 30 7.0 pt 85 pt 85 pt 85 30 7.0 pt 85 pt 85 pt 85 30 7.0 pt 85 pt 85 30 7.0 pt 85 pt 85 30 7.0 pt 85 pt 85 30 pt 85 pt 85 pt 75 pt 95 30 pt 85 pt 85 pt 75 pt 95 30 pt 85 pt 85 pt 75 pt 95 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 pt 85 pt 85 30 pt 85 pt 85 30 pt 85 p	56 0.007	PROCRAMMING	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSSET Resistor Resis	FP-DMED-SF-MFG TO-220AB 8063 - Resistor 8063 - Resistor	6 6 111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
01 02 03 04 05. 67 AZ DA 165 Be. 68 AZ DA 165 Be. 68 AZ DA 165 Be. 68 BE.	56 0.007	PROCRAMMING	CONN MICRO SD CARD PUSH-PULL N-Channel Power MOSSET Resistor Resis	FP-DMED-SF-MFG TO-220AB 2603 - Resistor 2603 -	6 6 111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
01 02 03 04 05. 67 AZ DA 165 Be. 68 AZ DA 165 Be. 68 AZ DA 165 Be. 68 BE.	56 0.007	PROCRAMMING DMSD-SF NMOS-2 10k 330 10k 330 500 2.2k 100 50k 50k 50k 50k 50k 50k 50k 50k 50k 5	CONN MICRO SD CARD PUSH-PULL N-Channel Power MoSSFET Resistor Resi	PP-DMED-SF-MFG TO-220AB 8683 - Resistor 9683 -	6 6 111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1







