











commun	Description	Designator	Footprint	LibRef	Quantity
		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11,			
uF		C12, C13, C14, C15, C16, C17, C18, C25, C26, C27, C28, C29, C30, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44,	C-1206	C-1206	
4.7uF		C45 C19, C20, C21, C49, C50, C51	CAP ALSMD POLY 4.3MM H5.5MM	CAP 4.7uF	
	WCAP-CSGP General Purpose MLCC; SMT 0805; X7R; 100nF 10%; 50V; -55C to	C22, C23, C24, C31, C32, C33, C46, C47, C48, C52, C53, C54.		CAP 100nF 50V SMT	
100nF	10%; 50V; -55C to +125C; Tech. PN X7R0805104K050DFC T10000	C55, C56, C59, C60, C61, C63, C88, C91, C92, C93, C94, C95, C96, C97, C98, C99	C-0805W	0805	
750pF	CAP ALUM 330UF 20%	C57	CAPC1608X87N	CAP 750pF 0603 SMD	
330UF 10nF	16V SMD .01UF 25V 10% 0806	C58 C62	CAP_EEETC1C331V C-0805W	CAP 330UF SMD CAP 10nF 0805	
63v 4700uF	PKL5-063V472MM450 Aluminum Electrolytic	C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75,	cap 10*20	capacitor 10*20	
	Capacitors - Snap In 63volts 4700uF 20% Cap Ceramic 0.1uF	C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87			
0.1uF	35V X7R 10% SMD 0805 125Å*C Paper T/R	C89	C-0805W	CAP 0.1uF SMD 0805	
47uF	CAP, MLCC, AUTO, X7R, 47UF/6.3V, 1210	C90	CAPC3225X270N	CAP 47uF 3225 SMD	
do214	DIODE FAST SWITCHING Single 150mA 75V SMT	D1, D2, D3	DO-214AC	do214	
SK54	SOD323 Diode Schottky 40V 5A Surface Mount DO-	D4, D6	DIOM7959X265N	SK54	
	214AA (SMB)	D5, D9, D10, D11, D12,			
1N4148 Diyot	DIODE GEN PURP 100V 150MA SOD123	D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32	SOD-123	1N4148	
Red 645nm LED Indication - Discrete 1.8V 0805	LED RED DIFFUSED 0805 SMD	D7	SMD: LED 0805/2012 RED	LED_Kirmizi	
NHD-0208BZ-FL-YBW	Inductor Power	л	idc20	IDC-20	
220uH	Shielded Wirewound 220uH 20% 100KHz Ferrite 1.1A 0.3250hm DCR 5049 Automotive T/R	L1	IND_MDH12577C- 101MA+P3	220uH Inductor SMID	
irfs4127	MOSFET N-CH 200V 72A D2PAK	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24	DPAK_TO263	IRFS4127TRLPBF	
1		R2, R3, R29, R30, R32, R33, R36, R37, R64, R65, R66, R67, R68, R69, R70, R71, R85, R86, R87, R112, R113	R-2512W	0207 melf	
220	CRG1206 1% 22R	R4, R5, R7, R10, R12, R15, R17, R19, R23, R24, R26, R27, R40, R42, R44, R46, R48, R50, R52, R54, R56, R58, R60, R62	R-1206W	RES 220 1206	
RES SMD 10K OHM 1% 1/8W 0805	10 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R6, R8, R9, R11, R13, R14, R16, R20, R21, R22, R25, R28, R41, R43, R45, R47, R49, R51, R53, R55, R57, R59, R61, R63, R77,	R-0805W	10K 0805	
220		R79, R80, R82 R73, R74	R-2512R	RES 220 2512	
RES SMD 1K OHM 1% 1/8W 0805	1 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R75, R117	R-0805W	1K 0805	
11ΚΩ	THICK FILM RESISTOR, 11KOHM, 125mW, 5%	R76	R-0805R	RES 11KQ SMD	
2.2K	RES SMD 2.2K OHM 1% 1/4W 1206	R78	RESC3115X65N-2.2K- 1206	RES 2.2K 1206	
1K	1% 1/4W 1206 Fixed Resistor CRGP 2512 1K0 1%	R81	RESC6332X65N	RES 1K 2512	
RES SMD 1M OHM 1% 1/8W 0805	1 MOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R83, R84	R-0805W	1M 0805	
110	CRG1206 1% 11R	R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111	R-1206W	RES 110 1206	
100Ω 100KΩ		R114 R115	R-0805W R-0805R	RES 100Ω 0805 RES 100KΩ 0805	
2.2Kp 33p		R116 R118	R-0805W R-0805W	RES 2.2KΩ 0805 RES 33Ω 0805	
00	Switch Tactile OFF	R119	RES 0.0 OHM 1206	RES 0.0 Ω 1206	
Switch Tactile OFF (ON) SMD-6	(ON) SPST Round Button Gull Wing 0.05A 24VDC 1VA 0.98N SMD Loose Dip Switch SPST 1	S1	SW_1571563-7	Switch Tactile OFF (ON) SMD-6	
			SW_SDA01H1SBD	SDA01H1SBD	
SDA01H1SBD	Position Surface Mount Slide (Standard) Actuator 25mA 24VDC	52			
	Mount Slide (Standard) Actuator 25mA 24VDC Half-Bridge Gate Driver IC Non-	U1, U2, U3	SOIC127P1032X265- 16N	IR2113S	
SDA01H1SBD	Mount Slide (Standard) Actuator 25mA 24VDC			IR2113S MC33039	
SDA01H1SBD IR2113S	Mount Slide (Standard) Actuator 25mA 24VDC Half-Bridge Gate Driver IC Non- Inverting 16-SOIC	U1, U2, U3	16N		
SDA01H1SBD IR2113S	Mount Side (Standard) Actuator ZSmA 24VDC Half-Bridge Gate Driver IC Non- Inverting 16-SOIC SIMPLE SWITCHER®: 40V, 3A Low Component Count Step-Down Regulator 5- DOPAK/TIO-263-40 to	U1, U2, U3	16N	MC33039	
SDA01H1SBD JR2113S MC33039	Mount Slide (Standard) Actuator 25mA 24VDC Half-Bridge Gate Driver IC Non- Inverting 16-SDIC SIMPLE SWITCHER®: 40V, 3A Low Component Count Step-Down Regulator 5-	U1, U2, U3 U4	16N SOIC127P600X175-8N	MC33039	