

















Comment MCP2515-LSO	Description CAN Controller SPI data filtering SO18	Designator B1, B6	Footprint SOIC127P1030X265-18N	LibRef MCP2515-I_SO	Quantity
MCP2515-LSO MCP2562T-H_SN	CAN Interface IC	B1, B6 B2, B7	SOIC127P1030X265-18N SOIC127P600X175-8N	MCP2515-I_SO MCP2562T-H_SN	
	USB 2.0 HIGH SPEED 4- PORT HUB				
FE1.1S	CONTROLLER Interface - I/O	B3	SOP64P600X175-28N	FE1.1S	
	Expanders 16bit Input/Output Exp I2C				
MCP23017T-E_SO	Interface	B4	SOIC127P1030X265-28N	MCP23017T-E_SO	
	0805, Capacitor SMD			OV_10%, CAPC_4u7_0805,	
	Cer 4.7uF 10% 16V X5R 0805, Capacitor SMD			CAPC_1u_0805_X7R_16 V_10%,	
	Cer 1uF 10% 16V X7R 0805, Capacitor SMD Cer 100nF 10% 50V X7R			CAPC_100n_0805_X7R_5 0V_10%,	
	0805, Capacitor SMD			CAPC_100n_0805_X7R_5 0V_10%,	
	Cer 100nF 10% 50V X7R 0805, Capacitor SMD			CAPC_100n_0805_X7R_5 0V_10%,	
	Cer 100nF 10% 50V X7R 0805 Capacitor SMD			CAPC_27p_0805_NP0_5 0V 5%.	
	Cer 27pF 5% 50V NP0 0805, Capacitor SMD			CAPC_27p_0805_NP0_5 0V_5%,	
approved sub OK	Cer 27pF 5% 50V NP0			CAPC_100n_0805_X7R_5 0V_10%,	
	0805, Capacitor SMD Cer 100nF 10% 50V X7R			CAPC 4u7 0805.	
	0805, Capacitor SMD Cer 4.7uF 10% 16V X5R			CAPC_1u_0805_X7R_16 V_10%, CAPC_1u_0805_X7R_16	
	0805, Capacitor SMD Cer 1uF 10% 16V X7R 0805, Capacitor SMD			V_10%, CAPC_4u7_0805,	
	Cer 1uF 10% 16V X7R 0805, Capacitor SMD			CAPC_4u7_0805, CAPC_4u7_0805,	
	Cer 4.7uF 10% 16V X5R			CAPC_27p_0805_NP0_5	
	0805, Capacitor SMD Cer 4.7uF 10% 16V X5R			0V_5%, CAPC_27p_0805_NP0_5	
	0805, Capacitor SMD Cer 4.7uF 10% 16V XSR			0V_5%, CAPC_100n_0805_X7R_5	
	0805, Capacitor SMD Cer 27pF 5% 50V NP0			0V_10%, CAPC_100n_0805_X7R_5	
	0805, Capacitor SMD Cer 27pF 5% 50V NP0			0V_10%, CAPC_27p_0805_NP0_5	
	0805, Capacitor SMD	C1, C2, C5, C6, C14,		0V_5%, CAPC_27p_0805_NP0_5	
	0805, Capacitor SMD Cer 100nF 10% 50V X7R	C15, C16, C17, C18, C19, C20, C21, C22, C25, C26, C27, C28,		OV_5%, CAPC 100n 0805 X7R 5	1
	Cer 100nF 10% 50V X7R 0805, Capacitor SMD Cer 27pF 5% 50V NP0	C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37	CAPC2012X135N	CAPC_100n_0805_X7R_5 0V_10%, CAPC_100n_0805_X7R_5	
approved SdD UK		223, U24, U35, C36, C37	CHPCZUIZX135N	CAPU_TOUN_UBUS_X7R_5	
10μ	Capacitor SMD Cer 10uF 20% 16V X5R 1210	C3, C4, C7, C8, C23, C24	CAPC3225X220N	CAPC_10u_1210_50V	
47u	Capacitor SMD Cer 47uF 10% 10V 1210	C9, C10, C11, C12, C13	CAPC3225X220N	CAPC_47u_1210_10V_X5 R_10%	
DIODE_SCHOTTKY_40V_ 1A	Diode Schottky SMD 40V 1A SOD123	D1	SOD123	DIODE_SCHOTTKY_40V_ 1A	
SMD-RGB-HI-LIGHT(6P- L5.0*W5.0*H1.5MM)	SMD RGB HI-Light	D2, D3, D4, D5, D6, D7	1FD6.SMD.5050	SMD-RGB-HI-LIGHT(6P- L5.0*W5.0*H1.5MM)	
Fuse_Bourns_MF-	FUSE PTC RESETTABLE			Fuse_Bourns_MF-	
MSMF200-2_eec	2.00A 8V 1812 Header 3.00mm, WTB,	F1	Bourns_MF-MSMF_0	MSMF200-2_eec	
	dual row, RA,6w Molex MICRO-FIT 3.0 Series,				1
					1
	3mm Pitch 6 Way 2 Row Shrouded Right Angle PCB Header, Through				1
43045-0601 Conn Molex 104031-	Hole	J1	43045-0601	43045-0601 Conn Molex 104031-	
Conn_Molex_104031- 0811_eec	CONN MICRO SD CARD PUSH-PULL R/A	J2	Molex_104031-0811_0	Conn_Molex_104031- 0811_eec	
USB-A-S-F-B-TH-R	STANDARD & RUGGED USB 2.0	J3, J4	USBR-A-S-F-O-TH	USB-A-S-F-B-TH-R	
	MOLEX - 47151-1051 - HDMLCONNECTOR				
47151-1051	HEADER, 19POS, R/A,	IS.	471511051	47151-1051	1
APEM9633		J6, J7, J9	Apem9633	47151-1051 APEM9633	
	Molex Electronics, Series Number 105314,				
	2.5mm Pitch 8 Way 2 Row Right Angle PCB				1
105314-1208	Header, Solder Termination, 6.5A	18	105314-1208	105314-1208	1
	IND 4.7µH Shielded Wirewound Inductor				
Ind_Bourns_SRN4018-	1.9A 84 mOhm Max		Bourns_SRN4018-	Ind_Bourns_SRN4018-	1
4R7M_eec	Nonstandard LED 0805 SMD Red	L1, L2	4R7M_0	4R7M_eec LED_SMD_Red_0805_6	
Red	6mcd 621nm LED 0805 SMD Green	LED1	LED-0805-K	mcd LED_SMD_Green_0805_	
Green	12mcd 569nm	LED2 MECH1. MECH2.	LED-0805-K	12mcd	
MECH-Fiducial	Fiducial SEMI-HARD TRAY DDR2	MECH1, MECH2, MECH3, MECH4	T_Fiducial	MECH-Fiducial	
1 1473006 4	SODIMM SOCKET 200P	Day.	W 1 1472007 1	1 147300E C	1
1-1473005-4	5 Header, 2-Pin, Dual	MI	TE_1-1473005-4	1-1473005-4	
Header 2X2 Trans_Diodes_DMG101	row TRANS MOSFET N-CH	P2 Q1, Q2, Q3, Q4, Q5, Q6,	HDR2X2	Header 2X2 Trans_Diodes_DMG101	-
2T-7_eec	20V 630MA SOT-523	Q7, Q8 R1, R4, R5, R6, R7, R8	Diodes_DMG1012T-7_0	2T-7_eec	
	Resistor SMD chip 0.0	R12, R25, R26, R34,	RESC2012N ZERO	RES OR 0805	
hunger	Ohm 0.125W 0805 Ohm 0.125W 1% 0805,	R35, R37, R38	nc302012N_ZERO	nc3_08_0805	
					1
	Ohm 0.125W 1% 0805, Resistor SMD chip 4.7k Ohm 0.125W 1% 0805,				
	Resistor SMD chip 4.7k Ohm 0.125W 1% 0805,			RES_200R_0805_1%,	
				DES 100Y 0905 190	
	Ohm 0.125W 1% 0805, Resistor SMD chip 100k Ohm 0.125W 1% 0805.			RES_4K7_0805_1%, RES_4K7_0805_1%, RES_4K7_0805_1%.	
	Resistor SMD chip 100k Ohm 0.125W 1% 0805,			RES_100K_0805_1%, RES_100K_0805_1%,	1
	Resistor SMD chip 100k Ohm 0.125W 1% 0805,			RES_100K_0805_1%, RES_100K_0805_1%, RES_100K_0805_1%,	1
	Resistor SMD chip 100k			RES_348K_0805_1%,	1
	Ohm 0.125W 1% 0805, Resistor SMD chip 348k Ohm 0.125W 1% 0805,			RES_348K_0805_1%, RES_348K_0805_1%,	1
	Ohm 0.125W 1% 0805, Resistor SMD chip 348k			RES_348K_0805_1%, RES_348K_0805_1%, RES_348K_0805_1%,	1
	Resistor SMD chip 348k Ohm 0.125W 1% 0805, Resistor SMD chip 348k				1
	Ohm 0.125W 1% 0805, Resistor SMD chip 348k			RES_1K_0805_1%, RES_1K_0805_1%,	1
					1
	Resistor SMD chip 348k Ohm 0.125W 1% 0805, Resistor SMD chip 348k			RES_100K_0805_1%, RES_100K_0805_1%, RES_100K_0805_1%.	1
	Ohm 0.125W 1% 0805, Resistor SMD chip 1k			RES_100K_0805_1%, RES_2K8_0805_1%,	1
	Ohm 0.125W 1% 0805.	D2 D2 D0 C C		RES_100K_0805_1%,	1
	Resistor SMD chip 1k Ohm 0.125W 1% 0805,	R2, R3, R9, R10, R11, R13, R14, R15, R16, R17, R18, R19, R20,		RES_4K7_0805_5%, RES_4K7_0805_5%,	1
	Resistor SMD chip 1k Ohm 0.125W 1% 0805,	R21, R22, R23, R24,		RES_200R_0805_1%, RES_200R_0805_1%,	1
	Resistor SMD chip 100k Ohm 0.125W 1% 0805.	R27, R28, R29, R30, R31, R32, R33, R36, R39, R40, R41, R42,		RES_100K_0805_1%, RES_4K7_0805_1%, RES_4K7_0805_1%,	
Thick Film	Resistor SMD chip 100k Ohm 0.125W 1% 0805,	R39, R40, R41, R42, R44, R45, R46, R47	RESC2012X70N	RES_4K7_0805_1%, RES_4K7_0805_1%	
	Rotary Switches				İ
56DP36-01-1-AJN	RotarySwitch Adjstbl Stop PC Mnt 36deg	S1, S2, S3	56DP36-01-1-AJN	56DP36-01-1-AJN	
	PAM2306 Series 1.8V/3.3V 1 A Dual				l
	High Efficiency PWM Step Down DC-DC		SON45P300X300X80-		1
PAM2306AYPKE IC_Diodes_AP7115-	Conveter IC REG LDO 2.5V 0.15A	U1	13N Diodes_AP7115-25SEG-	PAM2306AYPKE IC_Diodes_AP7115-	
	SOT353	U2	7_0	25SEG-7_eec IC Dindes AP2331W	
25SEG-7_eec				~_OIUUUS_APZ331W-	l
IC_Diodes_AP2331W- 7_eec	IC LOAD SWITCH SC59	U3	Diodes_AP2331W-7_0	/_eec	
25SEG-7_eec IC_Diodes_AP2331W- 7_eec TPD13S523PWR	Imported	U3 U4	Diodes_AP2331W-7_0 SOP65P640X110-16N	TPD13S523PWR	
IC_Diodes_AP2331W- 7_eec				TPD13S523PWR Crystal_6MHz_HC49/US	