



Item#	Designator	Description	Comment	Quantity	Manufacturer	PartNumber	Footprint
1	7, C8, C9, C10, C11,	0.1µF ±10% 50V Ceramic Capacit 0.1u	F	9	TDK Corporation	FA28X7R1H104KNU00	CAPR5-4X5
2	C3, C4	560pF ±5% 100V Ceramic Capacit 560p	oF	2	TDK Corporation	FA28C0G2A561JNU00	CAPR5-4X5
3	C5, C6	220µF 50V Aluminum Electrolytic 220ι	uF	2	EPCOS (TDK)	B41858C6227M000	Elec. Cap 5 x
4	D1	Green 569nm LED Indication - Dis Gree	en	1	Lite-On Inc.	LTL-4233	5mm Rad LEI
5	D2	Red 623nm LED Indication - DiscreRed		1	Lite-On Inc.	LTL-4223	5mm Rad LEI
6	D3	Yellow 588nm LED Indication - Dis Yello	OW	1	Lite-On Inc.	LTL-4253	5mm Rad LE
7	D4	Amber 588nm LED Indication - DisAmb	oer	1	Lite-On Inc.	LTL-4273	5mm Rad LEI
8	D5	Diode Schottky 150V 2A Through ⊩STP	S2150	1	STMicroelectronics	STPS2150	DO-204AL
9	J1	Receptacle Assembly, 25 Position, D25	P33E4GX00LF	1	Amphenol ICC (FCI)	D25P33E4GX00LF	DSUB1.385-
10	J2	Receptacle Assembly, 15 Position, D15	S33E4GV00LF	1	Amphenol ICC (FCI)	D15S33E4GV00LF	DSUB1.385-2
11	J3, J4	14 Position Header Connector The Teer	nsy Socket	2	Sullins Connector Solutions	PPTC141LFBNRC	
12	P3, P4	Connector Header Through Hole 1 Teer	nsy Pins	2	Sullins Connector Solutions	PREC014SAANRC	
13	R1, R2, R3, R6	330 Ohms±1% 0.1W, 1/10W Chip 470		4	Stackpole ElectronicsInc	CF14JT470R	AXIAL-0.4
14	, R8, R9, R10, R11, F	4.7 kOhms±5% 0.25W, 1/4W Throu4.7k	(6	Stackpole ElectronicsInc	CF14JT4K70	AXIAL-0.4
15	R5, R7, R12, R13	47 Ohms±5% 0.25W, 1/4W Throug 47		4	Stackpole ElectronicsInc	CF14JT47R0	AXIAL-0.4
16	R15, R16	120 Ohms±5% 0.25W, 1/4W Throu 120		2	Stackpole ElectronicsInc	CF14JT120RCT-ND	AXIAL-0.4
17	R17, R18	100 Ohms±5% 0.25W, 1/4W Throu 100		2	Stackpole ElectronicsInc	CF14JT100R	AXIAL-0.4
18	Teensy 1	32 Bit Arduino-Compatible iMX MiTeer	nsy 4.0	1	PRJC	Teensy 4.0	Teensy 4.0
19	U1	5V DC/DC Converter (7805 replaceOKI-	-78SR	1	Murata Power Solutions Inc.	OKI-78SR-5/1.5-W36HC	OKI-78SR
20	U2, U6	1/1 Transceiver Half RS422, RS48 SN6	5HVD12P	2	TexasInstruments	SN65HVD12P	DIP-8
21	U3	Authentication Chip IC Networking ATE	CC608A	1	Microchip Technology	ATECC608A-SSHDA-T	SOIC-8

2

Texas Instruments

Microchip

SN74AHC14N

MCP2562-E/P

DIP14

DIP-8

22

23

U4

U5, U7

Inverter IC 6 Channel Schmitt Trig(SN74AHC14N

Microchip CAN FD Transceiver wit MCP2562