



























	Designator BT1	Footprint	Quantity 1	Value
	C1 C2, C3, C4, C5,	CAPC1005N	1	10uF
Capacitor, XSR. ±10%, 16V, 0402	C6 C7. C8. C9. C10.	CAPC1005N	5	100nF
	C11, C12, C13, C14, C15, C16,			
	C17, C18, C19,			
	C20, C21, C22, C37, C38, C39,			
	C40, C41, C42, C43, C44, C45,			
	C46, C47, C48, C49, C50, C55,			
Capacitor, X7R, ±10%, 6.3V, 0402	C56	CAPC1005N	32	100nF
	C23, C26	TC7343-2917	2	220uF 47uF
	C24, C27 C25, C28	TC3528-1411 CAPC1005N	2	47uF 100pF
	C29, C30	CAPC1005N	2	1uF
Capacitor, NPO, ±2%, 25V, 0402	C31, C32	CAPC1005N	2	12pF
	C33, C34, C35, C36, C51, C52,			
Capacitor, XSR, ±10%, 10V, 0402	C53, C54, C57, C58	CAPC1005N	10	1uF
and the second section and	D1, D3, D5, D7,			
	D9, D11, D13, D15, D17, D19,			
	D21, D23, D25, D27, D29, D31	OVSRRGBCC3_SI DE	16	
	D2, D4, D6, D8,			
	D10, D12, D14, D16, D18, D20,			
	D22, D24, D26, D28, D30, D32	PLCC4	16	
ROHM - SMLE12BC7TT86Q - LED, 0603, LO-CUR. BLU	D33, D34, D37	LED_0603	3	
VISHAY SEMICONDUCTOR - VS-MBRS130TRPBF - DIODE SCHOTTKY 30V 1A	D35. D36	SMB_DIODE	2	-
	D38	LED_0603	1	
KINGBRIGHT - KP-1608SYC - LED, SMD, 0603, YELLOW	D39	LED_0603	1	
	L1, L2	TY_NR	2	4.7uH
	LCD1		1	
	LS1, LS2, LS3, LS4, LS5, LS6,			
	LS7, LS8, LS9, LS10 LS11 LS12			
li li	LS13, LS14, LS15,	l		
	LS16 P1, P2, P6, P7, P8,	AMS_S_3PIN	16	
MOLEX INC - 0022272021 - CONN HEADER 2POS .100 VERTTIN	P9, P10, P11	HDR1X2	8	
GLOBAL CONNECTOR TECHNOLOGY - USB3140-30-0170-1-C - CONNECTOR, USB 2.0 MICRO B, RCPT, 5POS, SMT	P3	USB3140-30- 0170-1-C	1	
	P4	54	1	
SAMTEC - SSW-116-22-F-S-VS - Conn Socket Strip SKT 16 POS 2.54mm Solder ST SMD Tube F	P5	Samtec-SSW-116- 22-F-S-VS	1	
SAMTEC - SSW-106-01-T-D - SOCKET, 2.54MM, 2X6WAY F	P13, P14	SSW-106-01-X-D	2	
	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8,			
	Q9, Q10, Q11,			
	Q12, Q13, Q14, Q15, Q16, Q17,			
	Q18, Q19, Q20,			
	Q21, Q22, Q23, Q24, Q25, Q26,			
	Q27, Q28, Q29,			
	Q30, Q31, Q32, Q33, Q34, Q35,			
	Q35, Q34, Q35, Q36, Q37, Q38,			
Ic	Q39, Q40, Q41, Q42, Q43, Q44,			
CARCULE COMPUCTOR DOCARD MOSTET NO CULTURA COT 33	Q45, Q46, Q47,			
	Q48 Q49	SOT95P230-3N SOT-6	48	
		SOIC127P600-		
	Q50, Q51 R1, R2, R4, R5,	8AN	2	
[F	R7, R8, R10, R11, R13, R14, R16,			
	R17, R19, R20,			
	R22, R23, R25, R26, R28, R29,			
	R31, R32, R34,			
l F	R35, R37, R38, R40, R41, R43,	1		
Resistor, ±1%, 0.1W, 0603	R44, R46, R47 R3. R6. R9. R12.	RESC1608N	32	91R
F	R15, R18, R21,			
l F	R24, R27, R30, R33, R36, R39,	1		
Resistor, ±1%, 0.1W, 0603	R42, R45, R48 R49, R50, R53.	RESC1608N	16	150R
	R54, R55, R56,	1		
	R57, R58, R59, R60, R61, R62,	1		
l F	R63, R64, R65,	1		
l F	R66, R67, R68, R87, R88, R89,			
	R90 R51, R52, R82,	RESC1608N	22	10k
	RS1, RS2, R82, R83, R84	RESC1608N	5	470R
Resistor, ±1%, 0.1W, 0603	R69	RESC1608N	1	309k
	R70 R71, R72, R76.	RESC1608N	1	1.4M
Resistor, ±1%, 0.1W, 0603	R77, R72, R76,	RESC1608N	4	100k
Resistor, ±1%, 0.1W, 0603 F Resistor, ±1%, 0.1W, 0603 F		RESC1608N	2	47k
Resistor, ±1%, 0.1W, 0603 5 Resistor, ±1%, 0.1W, 0603 5 Resistor, ±1%, 0.1W, 0603 5	R73, R78			887k
Resistor, a1%, 0.1W, 0603 Resistor, a1%, 0.1W, 0603 Resistor, a1%, 0.1W, 0603 Resistor, a1%, 0.1W, 0603 Fig. 0.1W, 0603	R74	RESC1608N	1	
Resistor, ±1%, 0.1W, 0603 5	R74 R75	RESC1608N RESC1608N	1	1.3M
Resistor, a 1%, 0.1W, 0603	R74 R75 R85	RESC1608N		1.3M 2k
Resistor, a1%, 0.1W, 0603 3	R74 R75	RESC1608N RESC1608N	1	1.3M
Resistor, a1%, 0.1W, 0603	R74 R75 R85 R86	RESC1608N RESC1608N RESC1608N RESC1608N	1 1	1.3M 2k 330R
Resistor, a1%, 0.1W, 0603	R74 R75 R85 R86	RESC160BN RESC160BN RESC160BN RESC160BN RESC160BN	1 1 1	1.3M 2k 330R 500k
Resistor, a 1%, 0.1W, 0603 Session, a 1%, 0.1W, 0603 Resistor, a 1%, 0.1W, 0603 Mulkaria - NCPIEXHIOJI0388 - THERMISTOR, NTC, 10K, 5%, SMD	R74 R75 R85 R86 R91	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N	1 1 1 1	1.3M 2k 330R 500k 1M
Resistor, a1%, 0.1W, 0603 7 Resistor, a1%, 0.1W, 0603	R74 R75 R85 R86 R91 R92 RT1	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N CL-SB-12B-01T	1 1 1 1 1 1	1.3M 2k 330R 500k 1M
Resistor, a 1%, 0.1W, 0603 Seesistor, a 1%, 0.1W, 0603	R74 R75 R85 R86 R91 R92 RT1	RESC160BN RESC160BN RESC160BN RESC160BN RESC160BN RESC160BN RESC160BN CL-SB-12B-01T CYP-AX100_L	1 1 1 1	1.3M 2k 330R 500k 1M
Resistor, a1%, 0.1W, 0603 Resistor, a1%, 0.1W, 0.0W, 0.0W, 0.0W, 0.0W, 0.0	R74 R75 R85 R86 R91 R91 S11 U1, U2	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N CL-SB-12B-01T	1 1 1 1 1 1 1 1	1.3M 2k 330R 500k 1M
Resistor, a 1%, 0.1W, 0603 Re	R74 R75 R85 R86 R81 R92 RT1 S1 U1, U2 U3 U4, U5, U6, U7 U8, U9	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N CL-SB-128-01T CVP-AX100_L MSOP-10 SOT23-3N LT-S8-8_N	1 1 1 1 1 1 1 1 2	1.3M 2k 330R 500k 1M
Resistor, a 1%, 0.1W, 0603 Re	R74 R75 R85 R86 R891 R92 RT1 S1 U1, U2 U3 U4, U5, U6, U7 U8, U9	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N CL-SB-12B-01T CVP-AX100_L MSOP-10 SOT23-3N LT-SB-8, N MSOP-UNTO_N	1 1 1 1 1 1 1 1 1 1 2 2 1 1 4 4 2 2 1 1	1.3M 2k 330R 500k 1M
Resistor, a 1%, 0.1W, 0603 Re	R74 R75 R85 R86 R81 R92 RT1 S1 U1, U2 U3 U4, U5, U6, U7 U8, U9	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N CL-SB-128-01T CVP-AX100_L MSOP-10 SOT23-3N LT-S8-8_N	1 1 1 1 1 1 1 1 2	1.3M 2k 330R 500k 1M