



























18650 1-Cell Lithium Ion Battery	Designator BT1	Footprint	Quantity 1	Value
TAIYO YUDEN - EMK107BBJ106MA-T - CAP CER 10UF 16V 20% X5R 0603	C1	CAPC1005N	1	10uF
	C2, C3, C4, C5, C6, C7, C8, C9,			
	C10, C11, C12,			
	C13. C14. C15.		1	1
	C16, C17, C18, C19, C20, C21,			
	C19, C20, C21, C22, C37, C38,			
	C39, C40, C41,			
	C42, C43, C44, C45, C46, C47,			
	C48, C49, C50,		1	1
Capacitor, X7R, ±10%, 16V, 0402	C55, C56	CAPC1005N	37	100nF
KEMET - T491D227K016AT - CAP TANT 220UF 16V 10% 2917	C23, C26	TC7343-2917	2	220uF
KEMET - T491B476K010AT - CAP TANT 47UF 10V 10% 1411	C24, C27	TC3528-1411	2	47uF
Capacitor, NPO, ±10%, 25V, 0402	C25, C28	CAPC1005N	2	100pF
Capacitor, NPO, ±1036, 23V, 0402	C29, C30, C33,			
	C34, C35, C36,			
Capacitor, X5R, ±10%, 10V, 0402	C51, C52, C53, C54, C57, C58	CARCIONEN	12	1uF
	C31, C32	CAPC1005N		
Capacitor, NPO, ±2%, 25V, 0402	D1, D3, D5, D7,	CAPC1005N	2	12pF
	D9, D11, D13,			
	D15, D17, D19,			
	D21, D23, D25,	OVSRRGBCC3_SI		
OPTEK - OVSRRGBCC3 - LED RED/GRN/BLUE 1204 SMD	D27, D29, D31	DE	16	
	D2, D4, D6, D8, D10, D12, D14.			
	D16, D18, D20,			
	D22, D24, D26,		l	1
CREE - CLV1A-FKB-CK1N1G1BB7R4S3 - LED RGB 3-IN-1 3.2X2.8MM 4PLCC	D28, D30, D32	PLCC4	16	
ROHM - SMLE12BC7TT86Q - LED, 0603, LO-CUR. BLU	D33, D34, D37	LED_0603	3	L
VISHAY SEMICONDUCTOR - VS-MBRS130TRPBF - DIODE SCHOTTKY 30V 1A				
DO214AA	D35, D36	SMB_DIODE	2	<u> </u>
KINGBRIGHT - KP-1608MGC - LED, 0603, GREEN, 70MCD, 568NM	D38	LED_0603	1	
KINGBRIGHT - KP-1608SYC - LED, SMD, 0603, YELLOW	D39	LED_0603	1	┕
TAIYO YUDEN - NR6028T4R7M - INDUCTOR 4.7UH 2.7A 20% SMD	L1, L2	TY_NR	2	4.7uH
SHENZHEN EONE ELECTRONICS CO.,LTD - IM120424015 - EONE High 16x2				
(1602) Characters LCD	LCD1		1	<u> </u>
	LS1, LS2, LS3, LS4, LS5, LS6,		l	1
	LS7, LS8, LS9,		l	1
	LS10, LS11, LS12,		1	1
AME TELEFOR LE LE LIGHT TO VOLTAGE CENTOR 2004	LS13, LS14, LS15,	AME 6 2001		1
AMS - TSL252R-LF - IC LIGHT TO VOLTAGE SENSOR 3PIN	LS16 P1 P2 P6 P7 P8	AMS_S_3PIN	16	
MOLEX INC - 0022272021 - CONN HEADER 2POS .100 VERTTIN	P9, P10, P11	HDR1X2	8	1
GLOBAL CONNECTOR TECHNOLOGY - USB3140-30-0170-1-C - CONNECTOR,		USB3140-30-		
USB 2.0 MICRO B, RCPT, 5POS, SMT	P3	0170-1-C	1	
KEYSTONE ELECTRONICS - 54 - BATTERY CLIP 18MM 18650 CELL	P4, P16	54	2	
SAMTEC - SSW-116-22-F-S-VS - Conn Socket Strip SKT 16 POS 2.54mm Solder ST		Samtec-SSW-116-		
SMD Tube	P5	22-F-S-VS	1	
SAMTEC - SSW-106-01-T-D - SOCKET, 2.54MM, 2X6WAY GLOBAL CONNECTOR TECHNOLOGY - FFC2B10-24-T - FFC/FPC CONNECTOR,	P13, P14	SSW-106-01-X-D	2	
SLOBAL CONNECTOR TECHNOLOGY - FFC2B10-24-T - FFC/FPC CONNECTOR,	P15	FFC2B10	,	
RECEPTACLE, 24POS, 1ROW	Q1, Q2, Q3, Q4,	FFCZBIO	'	
	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.			
	Q36, Q37, Q38,			
	Q39, Q40, Q41,			
	Q42, Q43, Q44,			
	Q45, Q46, Q47,	SOT95P230-3N	48	
FAIRCHILD SEMICONDUCTOR - RSS138 - MOSEET N-CH 50V 220MA SOT-23	O48	SOT-6	1	
FAIRCHILD SEMICONDUCTOR - BSS138 - MOSFET N-CH 50V 220MA SOT-23	Q48			
FAIRCHILD SEMICONDUCTOR - BSS138 - MOSFET N-CH 50V 220MA SOT-23 FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q48 Q49	SOIC127P600-		
		SOIC127P600- 8AN	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q49 Q50, Q51 R1, R2, R4, R5,	SOIC127P600-	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11,	SOIC127P600-	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16,	SOIC127P600-	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20.	SOIC127P600-	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29,	SOIC127P600-	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34,	SOIC127P600-	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34, R35, R37, R38,	SOIC127P600-	2	
FAIRCHILD SEMICONDUCTOR - FDC6306P - MOSFET 2P-CH 20V 1.9A SSOT6	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34,	SOIC127P600-	2	91R
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 20V 134 S2016 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R34, R35, R37, R38, R40, R41, R43, R44, R46, R47, R3, R6, R9, R12,	SOIC127P600- 8AN	2	91R
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 20V 134 S2016 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34, R35, R37, R38, R44, R46, R47 R3, R6, R9, R12, R15, R18, R21,	SOIC127P600- 8AN	32	91R
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 20V 134 S2016 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34, R40, R41, R43, R44, R46, R47 R3, R6, R9, R12, R15, R18, R21, R30, R24, R310, R310	SOIC127P600- 8AN	32	91R
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 30V 13A SSOT6 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34, R35, R37, R38, R44, R46, R47 R3, R6, R9, R12, R15, R18, R21,	SOIC127P600- 8AN		91R 150R
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 20V 134 S2016 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R26, R28, R31, R32, R34, R35, R37, R38, R44, R46, R47 R31, R32, R34, R35, R37, R38, R44, R46, R47 R47, R31, R32, R34, R35, R37, R38, R42, R45, R47, R30, R31, R31, R31, R31, R31, R31, R31, R31	SOIC127P600- BAN RESC1608N		
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 30V 13A SSOT6 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R28, R29, R31, R32, R34, R40, R41, R43, R44, R46, R47 R3, R6, R9, R12, R15, R18, R21, R44, R46, R47 R3, R6, R9, R12, R15, R18, R21, R3, R5, R9, R12, R42, R50, R53, R49, R50, R53, R48, R50, R53, R44, R50, R53, R45, R55, R56,	SOIC127P600- BAN RESC1608N		
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 30V 13A SSOT6 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34, R40, R41, R43, R40, R41, R43, R44, R46, R47 R3, R6, R9, R12, R24, R27, R30, R42, R45, R48 R49, R50, R53, R54, R55, R56, R59, R53, R54, R55, R56, R55, R56, R57, R58, R59,	SOIC127P600- BAN RESC1608N		
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 30V 13A SSOT6 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R28, R29, R31, R32, R34, R40, R41, R43, R44, R46, R47 R3, R6, R9, R12, R15, R18, R27, R30, R42, R45, R48 R44, R46, R47 R3, R6, R9, R12, R24, R27, R30, R42, R45, R48 R49, R50, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R61, R62, R63, R64, R65,	SOIC127P600- BAN RESC1608N		
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 30V 13A SSOT6 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R7, R8, R10, R11, R19, R19, R19, R19, R19, R19, R19	SOIC127P600- BAN RESC1608N		
FABICHILD SEMICONDUCTOR - FDCEISINP - MOSFET P-CH 20V 154 S2016 VISHAY SILICONIX - SI46278DVT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ± 1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R1, R4, R1, R1, R1, R1, R1, R1, R1, R1, R1, R1	RESC1608N	16	150R
FABICHILD SEMICONDUCTOR - FDCE338P - MOSFET P-CH 30V 13A SSOT6 VISHAY SILICONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R7, R6, R10, R11, R13, R14, R16, R17, R19, R20, R22, R23, R25, R26, R26, R26, R27, R28, R26, R26, R26, R27, R28, R26, R26, R27, R28, R26, R27, R28, R29, R26, R26, R27, R28, R29, R26, R27, R28, R29, R26, R36, R37, R38, R39, R26, R36, R37, R38, R39, R36, R36, R37, R38, R39, R36, R36, R37, R38, R39, R36, R36, R36, R37, R38, R39, R36, R37, R38, R39, R39, R39, R39, R39, R39, R39, R39	SOIC127P600- BAN RESC1608N		
FABICHILD SEMICONDUCTOR - FDCEISINP - MOSFET P-CH 20V 154 S2016 VISHAY SILICONIX - SI46278DVT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ± 1%, 0.1W, 0603	Q49 Q50, Q51 R1, R2, R4, R5, R1, R4, R1, R1, R1, R1, R1, R1, R1, R1, R1, R1	RESC1608N	16	150R
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 134 S5016 VISHAY SILECNIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a.1%, 0.1W, 0603 Resistor, a.1%, 0.1W, 0603	Q49 (S5) (S1) (R2 Q4 Q5) (S1) (R2 Q4 Q5) (S1) (R2 Q4 Q5) (R3 Q4 Q5) (R4 Q5) (R	SOICIZP600- BAN RESC1608N RESC1608N	16	150R
FABICHILD SEMICONDUCTOR - FDCEISINP - MOSFET P-CH 20V 19.4 S2016 VISHAY SILCONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603 Resistor, ±1%, 0.1W, 0603 Resistor, ±1%, 0.1W, 0603 Resistor, ±1%, 0.1W, 0603	Q49 (S0, Q51) R1, R2, R4, R5, R7, R8, R10, R11, R12, R14, R15, R14, R15, R14, R15, R14, R15, R15, R15, R15, R15, R15, R15, R15	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N	16	150R 10k 470R 309k
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO0T6 VISHAM SILECONIX - SH42278DVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC Resistor, a 1%, 0.1W, 0603	Q49 (S5) (S1) (S1) (S2) (S2) (S3) (S3) (S3) (S4) (S4) (S4) (S4) (S4) (S4) (S4) (S4	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N	16	150R 10k 470R 309k 1.4M
FABICHILD SEMICONDUCTOR - FDCEISINP - MOSFET P-CH 20V 19.4 S2016 VISHAY SILCONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603 Resistor, ±1%, 0.1W, 0603 Resistor, ±1%, 0.1W, 0603 Resistor, ±1%, 0.1W, 0603	Q49 (S0, Q51) R1, R2, R4, R5, R7, R8, R10, R11, R12, R14, R15, R14, R15, R14, R15, R14, R15, R15, R15, R15, R15, R15, R15, R15	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N	16	150R 10k 470R 309k
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO0T6 VISHAM SILECONIX - SH42278DVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC Resistor, a 1%, 0.1W, 0603	Q49 (S50, Q51) R1, R2, R4, R5, R7, R8, R10, R11, R12, R14, R5, R7, R8, R10, R11, R12, R13, R14, R16, R17, R19, R20, S22, R22, R22, R22, R22, R22, R22, R22	RESC1608N	222 5 1	10k 470R 309k 1.4M
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19.4 S2016 VISHAY SILCONIX - SH42278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Revistor, a.1%, 0.1W, 0003	Q49 (G50, G51) (G50, G51) (G7, G50, G51) (G7, G7, G8, G8, G8, G8, G8, G8, G8, G8, G8, G8	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N	222 5 1	150R 10k 470R 309k 1.4M
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO16 VISHAY SILCONIX - S44278 DVT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a1%, 0.1W, 0603	Q49 (CSO, QS1) (R) QS0, QS1 R1, R2, R4, R5, R7, R8, R10, R11, R12, R14, R15, R14, R16, R14, R16, R17, R18, R18, R18, R18, R18, R18, R18, R18	RESC1608N	222 5 1	10k 470R 309k 1.4M 100k 47k 887k
FABICHILD SEMICONDUCTOR - FDCEISINP - MOSFET P-CH 20V 15A SSOTG VISHAY SILICONIX - SI44278DVT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q89 (S50, Q51) (S50, Q	RESC160BN	22 5 1 1 4 2	10k 470R 309k 1.4M 100k 47k 887k 1.3M
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO0TG VISHAM SILICONEX - SI44278D V+T-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a.1%, 0.1W, 0603	Q49 (250, Q51) R1, R2, R4, R5, R7, R8, R10, R11, R12, R4, R5, R7, R8, R10, R11, R12, R14, R15, R14, R14, R14, R14, R14, R14, R14, R14	RESC160BN	222 5 5 1 1 1 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k
FABICHILD SEMICONDUCTOR - FDCEISINF - MOSFET P-CH 20V 15A S2016 VISHAY SILICONKY - SI46278DYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a 1%, 0.1W, 0603	G99 (G90, G91) R 25 (G, G91) R 27 (R 4, R 5, T 7) R 28 (R 4, R 5, T 7) R 28 (R 1, R 1	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN	22 5 1 1 4 2 2 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO0TG VISHAM SILICONEX - SI44278D V+T-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a.1%, 0.1W, 0603	Q49 (250, Q51) R1, R2, R4, R5, R7, R8, R10, R11, R12, R4, R5, R7, R8, R10, R11, R12, R14, R15, R14, R14, R14, R14, R14, R14, R14, R14	RESC160BN	222 5 5 1 1 1 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO0TG VISHAM SILECONIX - SH42278DVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC Resistor, a 1%, 0.1W, 0603	G99 (G90, G91) R 25 (G, G91) R 27 (R 4, R 5, T 7) R 28 (R 4, R 5, T 7) R 28 (R 1, R 1	RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC1608N RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN RESC160RN	22 5 1 1 4 2 2 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R
FABICHILD SEMICONDUCTOR - FDCEISINF - MOSFET P-CH 20V 15A S2016 VISHAM SILICONEX - SI4627BDYT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC Resistor, a 1%, 0.1W, 0603	G99 (C90, G91) R.	RESC1608N	222 5 5 1 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO0TG VISHAM SILECONIX - SH42278DVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC Resistor, a 1%, 0.1W, 0603	Q49 (250, Q51) (21, R) (250, Q51) (21, R) (250, Q51) (21, R) (RESC1608N	222 5 5 1 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 500k
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19.4 SSOT6 VISHAY SILICONIX - S44278DVT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a.1%, 0.1W, 0603	G99 (C90, G91) R.	RESC1608N	222 5 5 1 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABICHILD SEMICONDUCTOR - FDCEISINF - MOSFET P-CH 20V 19A S2016 VISHAY SILICONIX - SH4227BDYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, ±1%, 0.1W, 0603	Q49 (250, Q51) (271, R2, R4, R5, R7, R4, R1, R2, R4, R5, R7, R4, R10, R11, R1, R2, R4, R5, R7, R4, R10, R11, R12, R12, R12, R12, R12, R12, R12	RESC160BN	222 5 5 1 1 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
Resistor, ±1%, 0.1W, 0603	Q49 (S50, G51 R1, R2, R4, R5, R7, R8, R10, R11, R12, R4, R5, R7, R8, R10, R11, R12, R44, R5, R7, R8, R10, R11, R13, R44, R64, R64, R64, R64, R64, R64, R64,	RESC1608N	222 5 5 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABICHILD SEMICONDUCTOR - FDCEISINP - MOSFET P-CH 20V 19A S2016 WISHAY SILICONIX - SH4227BDYT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Revistor, a.1%, 0.1W, 0003 Revistor, a.	Q49 (250, Q51) (31, R2, R4, R5, R7, R4, R10, R11, R2, R4, R5, R7, R4, R10, R11, R11, R2, R4, R5, R7, R4, R10, R11, R11, R12, R20, R22, R22, R25, R25, R26, R28, R29, R26, R28, R29, R26, R28, R29, R28, R28, R28, R28, R28, R28, R28, R28	RESC160BN RESC16DN RE	222 5 5 1 1 1 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
Resistor, ±1%, 0.1W, 0603	Q49 (S50, G51 R1, R2, R4, R5, R7, R8, R10, R11, R12, R4, R5, R7, R8, R10, R11, R12, R44, R5, R7, R8, R10, R11, R13, R44, R64, R64, R64, R64, R64, R64, R64,	RESC1608N	222 5 5 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABICHILD SEMICONDUCTOR - FDCE308P - MOSFET P-CH 20V 19A SO0TG VISHAY SILICONIX - SI44278DVT1-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a.1%, 0.1W, 0603	Q49 (250, Q51) (31, R2, R4, R5, R7, R4, R10, R11, R2, R4, R5, R7, R4, R10, R11, R11, R2, R4, R5, R7, R4, R10, R11, R11, R12, R20, R22, R22, R25, R25, R26, R28, R29, R26, R28, R29, R26, R28, R29, R28, R28, R28, R28, R28, R28, R28, R28	RESC1608N RESC160RN	222 5 5 1 1 1 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABRICHID SEMICONDUCTOR - FDCEISINF - MOSFET P-CH 20V 19.4 S2016 WISHAY SILICONKY - SI44278DYTH-E3 - MOSFET P-CH 30V 9.7A 8-SOIC WISHAY SILICONKY - SI44278DYTH-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a 1%, 0.1W, 0603 Re	Q89 (250, Q51) (250, Q	RESC1608N	222 5 5 1 1 1 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABICHILD SEMICONDUCTOR - FDCESSINE - MOSFET P-CH 20V 19A SO/T6 VISHAY SILICONIX - SH4278DIVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC WISHAY SILICONIX - SH4278DIVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC Resistor, a 1%, 0.1W, 0603 Resi	Q49 G50, G51 R1, R2, R4, R5, R7, R8, R10, R11, R12, R4, R5, R7, R8, R10, R11, R11, R2, R4, R5, R7, R8, R10, R11, R11, R12, R4, R5, R7, R8, R10, R11, R12, R12, R12, R12, R12, R12, R12	RESC160BN	222 5 5 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABRICHID SEMICONDUCTOR - FDCEISINF - MOSFET P-CH 20V 19.4 S2016 WISHAY SILICONKY - SI4427BDYTH-E3 - MOSFET P-CH 30V 9.7A 8-SOIC WISHAY SILICONKY - SI4427BDYTH-E3 - MOSFET P-CH 30V 9.7A 8-SOIC Resistor, a 1%, 0.1W, 0603 Re	Q99 (250, Q51) (31, R2, R4, R5, R2, R2, R2, R2, R2, R2, R2, R2, R2, R2	RESC1608N	222 5 5 1 1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 4 4 2 2 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M
FABICHILD SEMICONDUCTOR - FDCESSINE - MOSFET P-CH 20V 19A SO/T6 VISHAY SILICONIX - SH4278DIVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC WISHAY SILICONIX - SH4278DIVT1-E3 - MOSFET P-CH 30V 9 7A 8-SOIC Resistor, a 1%, 0.1W, 0603 Resi	Q49 G50, G51 R1, R2, R4, R5, R7, R8, R10, R11, R12, R4, R5, R7, R8, R10, R11, R11, R2, R4, R5, R7, R8, R10, R11, R11, R12, R4, R5, R7, R8, R10, R11, R12, R12, R12, R12, R12, R12, R12	RESC160BN	222 5 5 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	150R 10k 470R 309k 1.4M 100k 47k 887k 1.3M 2k 330R 330R 1M