

















F 81	Comment	Description Powerstream Lithium Battery	Digi-Key Part Number	urer	Manufact urer Part Number	Rating	Value	Footprint PGES0121 212	Note 1212	Notes
B2	Sattery	Powerstream Lithium Battery		Ganz-i-				PGEB0054 028	54018	
		Ceramic Capacitor (Surface Mount)		Generic Ceramic Chip Cap (TBD)					L	
cı	Cap	(Surface Mount)		(TED)				0603	ONP	
						(NoValue), (NoValue),				
						[NoValue] [NoValue]				
C2, C3,						Novatue, Novatue, Novatue, Novatue, Novatue, Novatue, Novatue, Novatue, Novatue, Novatue,				
C2, C3, C4, C5, C8, C9, C11, C12, C13, C14, C17, C72		Ceramic		Generic Ceramic		[NoValue] [NoValue]				
C13, C14, C17, C72	Сар	Capacitor (Surface Mount)		(TBD) Generic		(NoValue) 20v	luf	0402		
		Ceramic Capacitor (Surface Mount)		Ceramic Chip Cap (18D) Generic Ceramic Chip Cap (18D)						
L G	Сар	purace Mount)		(IBD)			100	0402		
C7 C31		Caramir		Generic		(NoValue) (NoValue) (NoValue) (NoValue)				
C7, C31, C36, C77, C78	Сар	Capacitor (Surface Mount)		Generic Ceramic Chip Cap (TBD) Generic Ceramic Chip Cap (TBD) Generic Ceramic		36v, [NoValue]	0.1uF	0402		
		Ceramic Capacitor (Surface Mount)		Generic Ceramic Chin Can						
C10	Сар	(Surface Mount)		(TBD) Generic			10p	0402		
C15 C29	Cun	Ceramic Capacitor (Surface Mount)		Ceramic Chip Cap (TBD)			10-6	0673		
C16	Сар	Ceramic Capacitor (Surface Mount)		Ceramic Chip Cap (TBD) Generic			100nF	0402	<u> </u>	
	L	Ceramic Capacitor (Surface Mount)		Ceramic Chip Cap			L	L		
C32	Lap			(BD) Generic Ceramir			e70nF	0402		
C33, C34	Сар	Ceramic Capacitor (Surface Mount)		Generic Ceramic Chip Cap (TBD) Generic Ceramic Chip Cap (TBD)		$oxed{oxed}$	16pF	0402	L	L
C11, C14 C61, C62, C61, C64, C65, C66, C67, C68, C69, C70, C71, C71, C74, C75,										
C67, C68, C69, C70,	1			Generic						
	Сар	Ceramic Capacitor (Surface Mount)	L	Generic Ceramic Chip Cap (TBD)	L	25v	2.2uF	0402	L	L
D1, D7	RB751540T1	Schottky Diode Diode Array - 2	BASTORR				F	500-521	F	
D2	BASTOBRW	Pair Series Connection	BASTORR W-7FDECT- ND	Diodes Inc	BAS70BR W-7-F			SOT-363		
	1	Agilent Schottky Diode, Two in Series, Small Package SOT-323 Typical RED, GREEN, YELLOW, AMBER GAAs LED		Avago Technolo gies US Inc.			l	SOT-323,		
D3, D4, D5, D6	H9MS-281C	Series, Small Package SOT-323 Typical BEA	*not stocked	gies US Inc.	HSMS- 281C		<u> </u>	SOT-323, HSMS- 285C	<u> </u>	<u> </u>
	L	GREEN, YELLOW, AMBER GAAs					L.	Diode - 0633		
D31	u.D		BAT549WT				ked	0603		
Det.		Diode Array, Two in Series, Small Package SOT-323	BATS4SWT 1GD SCT- ND or (BATS4SW	ON Semicond	BATS4SWT			SOT-323 /	Ì	
V94	*A1545W) UFINANCE	Hirose	1G FH12-40S- 0.5SH or			EPD -		
E1	EPD - Connector	FPC, 40pin, 0.5mm Pitch - ZIF	ND or HEA140CT ND	Hirose Electric Co Ltd	0.55H or FH125- 405-0.59H			EPD - Connecto r		
		Vz=4.3V, Overvoltage			MM324V3					
ESD1	MM324V38	Vz=4.3V, Overvoltage Protection Zener SOT-243R, N- Channel Dual- Gate Mos-Fets MDSFET	MM324V3 BCT-ND	Fairchild Nor			\vdash	SOD-323		
Q1, Q2	8F1105R	Gate Mos-Fets MOSFET	BF1105R,2 15-ND	NORP Semicond uctors	BF1105R,2 15	L_	L	SOT-143R	L	L
QSI	2N7002WW	N-Channel MOSFET	2N7002K WCT-ND	uctors Fairchild Semicond uctor	2N7002K W		NMO*	SOT-323 / SC-70		
	W	Chip Resistor (Surface Mount)		Generic Chip Res (TBD) Generic	Ë					
R1, R31	Res			(TBD) Generic		<u> </u>	47k	0402	H	
R2	Res	Chip Resistor (Surface Mount)		Generic Chip Res (TBD) Generic		-	120k	0402	<u> </u>	<u> </u>
R3	Res	Chip Resistor (Surface Mount)		Generic Chip Res (TBD) Generic		<u> </u>	50	0402	<u> </u>	
R4, Rz1, Rz2	Res	Chip Resistor (Surface Mount)	L	Chip Res	L	L_		0402	L	L
RS	Res	Chip Resistor (Surface Mount)					lk .	0402		
R6, R70		Chip Resistor (Surface Mount)		(TBD) Generic Chip Res (TBD) Generic						
	nds.	Chin Resistor					LUUK	2902		
R9	Res	Surface Mount)					1M	0402	\vdash	
RM	Res	Chip Resistor Surface Mount)		Generic Chip Res (TBD) Generic		<u> </u>	130	0402	<u> </u>	
R62	Res	Chip Resistor (Surface Mount)		Chip Res (TBD)		2%	a	0402	<u> </u>	_
SBW	MHDR1X4 SMA - Hole - 2	Header, 4-Pin Two pin SMA						MHDR1X4 SMA - Hole - 2 Pin		
SMA1	Pin	Two pin SMA connector wisp		\vdash		\vdash	\vdash	Pin	ONP	\vdash
	1		Example: 5000K-ND, 5012K-ND, Surface							
	1	Sest Point Jaco-	S012K-ND, Surface moun*	Keyston-	Example			Test Print	l	
n	Test Point	Test Point, large or small foot prints	Surface mount 5015KCT- ND	Keystone Electronic E	Example: 5000, 5013	Ш	L	Test Point Super Small	VRECT	L
			Examela							
	1		Example: 5000K-ND, 5012K-ND, Surface mount 5015KCT- ND							
	1	Test Point, large or small foot prints	mount 5015ECT-	Keystone Electronir	Example: 5000, 5013	1	1	Test Point	l	
12	Test Point	prints		1	5013	-	\vdash	Small	CHG_4.2V	<u> </u>
	1		Example: 5000K-ND							
	1	Test Point Isser	Example: 5000K-ND, 5012K-ND, Surface mount 5015KCT-	Carponer	Examele			Test Doire	1	
13	Test Point	Test Point, large or small foot prints	mount 5015KCT- ND	Keystone Electronic s	5000, 5013	L_	L	Test Point Super Small	TX	L
	1		Example: 5000K-ND, 5012K-ND, Surface mount 5015KCT- ND				l			
		L	mount sontarr.	Keystone Electronic	Example: 5000, 5013		l	Test Point Super		
		or small foot		k	5013	-	\vdash	Super Small	RX	\vdash
14	Test Point	Test Point, large or small foot prints					1	1	ĺ	
54	Test Point	or small foot prints								1
54	Test Point		Example: 5000K-ND; 5012K-ND;	Spatror	Examele			Test Doire		
н	Test Point Test Point	Test Point, large or small foot prints Test Point, large or small foot prints		Keystone Electronic s	Example: 5000, 5011			Test Point Super Small	RX,EN	
14	Test Point Test Point		Example: 5000K-ND, 5012K-ND, Surface mount 5015KCT- ND	Keystone Electronic s	Example: 5000, 5013			Test Point Super Small	RX,EN	
14	Test Point Test Point		Example: 5000K-ND, 5012K-ND, Surface mount 5015KCT- ND	Keystone Electronic s	Example: 5000, 5013			Test Point Super Small	RX,EN	
54 15	Test Point Test Point		Example: S000K-ND, S012K-ND, Surface repoint S015KCT-ND Example: S000K-ND, S012K-ND, S012K-ND, S012K-ND, S015KCT-ND, S015KCT-N	Keystone Electronic L Keystone Electronic				Super Small	RX,EN	
14	Test Point Test Point Test Point	Test Point, large or small foot prints	Example: 5000K-ND; 5012K-ND;		Example: 5000, 5013 Example: 5000, 5013			Super Small	RX,EN	
75	Test Point Test Point Test Point	Test Point, large or small foot prints	Example: SDOOK-ND, SDIZK-ND, SDIZK-ND, SDISKCT-ND Example: SDOOK-ND, SDIZK-ND, Surface mount SDISKCT-ND					Super Small	RX,EN	
75	Test Point Test Point Test Point	Sest Point, large or small floot prints Sest Point, large or small floot prints	Example: SDOOK-ND, SDIZK-ND, SDIZK-ND, SDISKCT-ND Example: SDOOK-ND, SDIZK-ND, Surface mount SDISKCT-ND	Kaystone Electronic	Example: 5000, 5011			Super Small Test Point Small	RX,EN	
15 15	Test Point Test Point Test Point Test Point	Test Point, large or small floot prints Test Point, large or small floot prints Test Point, large or small floot prints	Example: 5000K-ND, S012K-ND, Surface mount 5015KTT-ND Example: 5000K-ND, 5012K-ND, Surface mount 5015KT-ND SURFACE SUR		Example: 5000, 5011			Super Small	RX,EN GND	
5 5	Test Point Test Point Test Point	Text Point, large or small float prints Companior. On Text Points (Large or small float prints)	Example: S008K-ND, Surface mount S015KCT-ND Surface mount S015KCT-ND Surface mount S015KCT-ND S015K	Kaystone Electronic L Kaystone Electronic L ON Semicond	Example: 5000, 5013 Example: 5000, 5013 NCS22005			Super Small Test Point Small Test Point Small Small	RX,EN GND P1.5	
55 55 77 TUIL	Test Point Test Point Test Point Test Point Test Point NCS2000	Text Point, large or small floot periods Best Point, large or small floot priods Best Point, large or small floot priods Text Point, large or small floot priods Companisor: On Seni Douk Companisor: On Seni Douk	Example: 5000K-ND, S012K-ND, Surface mount 5015KTT-ND Example: 5000K-ND, 5012K-ND, Surface mount 5015KT-ND SURFACE SUR	Keystone Electronic s. Keystone Electronic	Example: 5000, 5013 Example: 5000, 5013			Super Small Test Point Small Test Point Super Small SC70-5	RX_EN GNID P1.5	
55 55 55 55 UU2	Test Point Test Point Test Point Test Point Test Point Set Point Test Point	Text Point, large or small floot prints Text Point, large or small floot prints Best Point, large or small floot prints Gregaratize Companion Con- Sent Dusk Companion Companion Con- Tores IC. Companion Companion Con-	Example: SDOSK-ND, SD22K-ND, SD2K-ND, SD2K-ND	Kaystone Electronic L Kaystone Electronic L ON Semicond	Example: 5000, 5013 Example: 5000, 5013 NCS22005			Super Small Test Point Small Test Point Small Small	RX,EN GND P1.5	
	Test Point	Text Point, large or small floot prints Text Point, large or small floot prints Best Point, large or small floot prints Gregaratize Companion Con- Sent Dusk Companion Companion Con- Tores IC. Companion Companion Con-	Example: SDOSK-ND, SD22K-ND, SD2K-ND, SD2K-ND	Kaystone Electronic L Kaystone Electronic L ON Semicond	Example: 5000, 5013 Example: 5000, 5013 NCS22005 Q272G			Super Small Test Point Small Test Point Super Small SC70-5	RX,EN GND P1.5	
	Test Point Test Point Test Point Test Point Test Point NCS2200 NCPS83	Text Point, Targe or small floot prints Text Point, Targe or small floot Text Point, Targe prints Text Point, Targe Text Point, Targe Text Points Text Points T	Example: S000E-ND, S012E-ND, S012E-N	Enystone Electronic Knystone Electronic ON Semicond uctor	Example: 5000, 5013 Example: 5000, 5013 NCS22005 Q272G NCPS815 Q2871G		200	Super Small Test Point Small Test Point Super Small SC70-5	RU(EN	
	Test Point Test Point Test Point Test Point NCS2200 NCPS83 SP22431	Text Point, Targe or small floot prints Text Point, Targe or small floot Text Point, Targe prints Text Point, Targe Text Point, Targe Text Points Text Points T	Example: SDOSK-ND, SD22K-ND, SD2K-ND, SD2K-ND	Enystone Electronic Knystone Electronic ON Semicond uctor	Example: 5000, 5013 Example: 5000, 5013 NCS22005 Q272G		3.0V	Super Small Test Point Small Test Point Super Small SC70-5	EXCEN SAID	
U2	Test Point	Text Point, large or small floot peters. Text Point, large and floot peters and floot peters and floot peters. Text Point, large or small floot peters and floot peters. Text Point, large or small	Example: 5000E-MD, 5012E-MD, 5012E-M	Serystone Electronic Keystone Electronic Keystone Electronic Serricond uctor ON Serricond uctor Vishay Siliconix	Example: 5000, 5013 Example: 5000, 5013 Example: 5000, 5013 ROPSRIS QUITIG SPEAUID NP3-11664		2.07	Super Small Test Point Small Test Point Super Small SC70-5	EXCEN CARD	
U2	Twe Point Twe Point	Text Point, large or small floot parkets. Text Point, large or small floot parkets. Text Point, large or small floot prints. Text Point, large or small floot Companions or small floot Serie (John Companions	Example: S000K-MD, S012K-MD, S012K-M	Emystone Electronic Emystone Electronic Emystone Electronic ON Serricond withor ON Serricond withor Vishuy Stiliconix Texas outruments	Example: 5000, 5013 Example: 5000, 5013 Example: 5000, 5013 NCS2005 Q272G NCPSE25 Q272G NCPSE25 130 Q772G MSP410F5 1310 Q772 G		3.07	Super Seall Test Point Small Sest Point Super Seall SCT0-5 SCT23 - N SCE2-AB DSN-4 48-QSN	RICEN GND P1.5	
U2	Text Point MC52200 MC553 C092433	Text Point, Targe or small floot prints Text Point, Targe or small floot Text Point, Targe prints Text Point, Targe Text Point, Targe Text Points Text Points T	Example: S000E-ND, S012E-ND, S012E-N	Serystone Electronic Keystone Electronic Keystone Electronic Serricond uctor ON Serricond uctor Vishay Siliconix	Example: 5000, 5013 Example: 5000, 5013 Example: 5000, 5013 NCS22005 Q272G NCPS815 Q2873G SSP24310 SSP24310		2.07	Super Small Test Point Small Test Point Super Small SC70-5	RICEN GAID PLS 48-QIN	