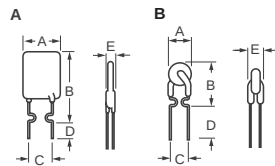


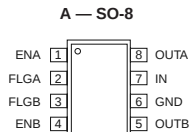


Fig. 6 — RUSB Series



New PolySwitch RUSB devices are designed to meet USB and safety agency requirements. The RUSB family of leaded resettable devices offers overcurrent protection for USB applications.

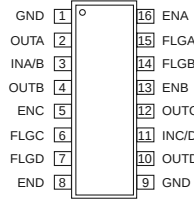
Fig. 7 — RYC Series Power Distribution Switches



This series is designed for USB self-powered hub applications such as notebook PCs, self/bus-powered stand-alone USB hubs, USB bus-powered hubs in keyboards and USB peripherals such as CCD cameras. They help provide efficient and reliable power switching and in-rush current limiting capabilities.

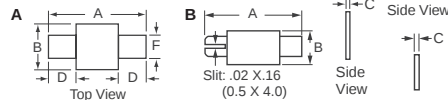
These USB power distribution switches enable power to USB ports upon USB controller commands. The switches signal the controller when faults such as overcurrent, over-temperature, under-voltage lock-out (UVLO) or over-voltage lock-out (OVLO) are detected.

B — SO-16



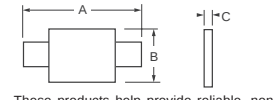
SO-8 Pin No.	SO-16 Pin No.	Pin Function
1 and 4	5, 8, 13, 16	Enable (Input): Logic-compatible enable input. High input > 2.1V typical. Low input <1.9V typical
2 and 3	6, 7, 14, 15	Fault Flag (Output): Active-low open-drain output. Indicates overcurrent, UVLO, OVLO and thermal shutdown
6	1, 9	Ground: Supply return
7	3, 11	Supply Input: Output MOSFET drain. Also supplies ICs internal circuitry. Connect to positive supply
5 and 8	2, 4, 10, 12	Switch Output: Output MOSFET source. Typically connect to switched side of load

Fig. 8 — LTP Series



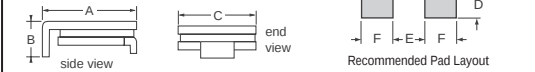
Similar to the SRP family of PolySwitch strap products, LTP devices help provide reliable, noncycling protection for rechargeable batteries and have a slim, low-profile design that makes them easy to install. LTP devices also offer additional protection at elevated temperatures.

Fig. 9 — SRP Series



These products help provide reliable, noncycling protection for rechargeable batteries. Weldable nickel leads and a narrow, low-profile design make these devices extremely easy to install on the edges of battery packs.

Fig. 10 — SMD



This product series is specifically designed for surface mount applications. The products range in hold currents from 0.3 amps to 3.0 amps and voltages from 6 volts to 60 volts. These devices are ideally suited for high density board applications in computer and computer peripheral products, telecommunications and general electronics applications. They are designed to be reflowed onto a PCB using standard surface mount processes. Packaged per EIA-481 standard.

Fig.	Max Volt.	Rated Current (20°C) Hold	Rated Current (20°C) Trip	Initial Resistance Rmin. (Ω)	Initial Resistance Rmax. (Ω)	A max.	B max.	C max.	D min.	E max.	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Raychem Part No.
RUSB															
6B	6	0.75	1.3	0.110	0.177	.27 (6.9)	.45 (11.4)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB075-ND	.47	.43	.39	RUSB075
6A	16	0.90	1.8	0.070	0.121	.29 (7.4)	.48 (12.2)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB090-ND	.47	.44	.40	RUSB090
6A	16	1.10	2.2	0.050	0.096	.29 (7.4)	.56 (14.2)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB110-ND	.48	.45	.41	RUSB110
6B	6	1.20	2.0	0.650	0.098	.27 (6.9)	.46 (11.7)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB120-ND	.49	.45	.41	RUSB120
6A	16	1.35	2.7	0.040	0.075	.35 (8.9)	.53 (13.5)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB135-ND	.50	.46	.42	RUSB135
6B	6	1.55	2.65	0.043	0.071	.27 (6.9)	.46 (11.7)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB155-ND	.50	.47	.42	RUSB155
6A	16	1.60	3.2	0.030	0.062	.35 (8.9)	.60 (15.2)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB160-ND	.52	.48	.44	RUSB160
6A	16	1.85	3.7	0.030	0.055	.40 (10.2)	.62 (15.7)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB185-ND	.56	.51	.47	RUSB185
6A	16	2.50	5.0	0.020	0.036	.45 (11.4)	.72 (18.3)	.23 (5.9)	.30 (7.6)	.12 (3.1)	RUSB250-ND	.60	.55	.50	RUSB250

Fig.	Max. Supply Voltage	Fault Flag Voltage	Fault Flag Current	Output Voltage	Output Current	Control Input	Storage Temp.	Max. Lead Temp. during Soldering (5 sec.)	Supply Voltage	Ambient Operating Temp.	Pkg.	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Tape & Reel Pricing† 2,500	Raychem Part No.
RYC Series																	
7A	+8 V	+8 V	50mA	+8 V	Internally Limited	-0.3 to +12.0V	-65°C to +150°C	260°C	+3 to +5.5 V	-40°C to +85°C	SOIC-8	RYC8220-2MCT-ND	1.94	1.67	1.53	932.00/M	RYC8220-2M
7A	+8 V	+8 V	50mA	+8 V	Internally Limited	-0.3 to +12.0V	-65°C to +150°C	260°C	+3 to +5.5 V	-40°C to +85°C	SOIC-8	RYC8220-4MCT-ND	1.94	1.67	1.53	932.00/M	RYC8220-4M
7B	+8 V	+8 V	50mA	+8 V	Internally Limited	-0.3 to +12.0V	-65°C to +150°C	260°C	+3 to +5.5 V	-40°C to +85°C	SOIC-16	RYC8240-2WMCT-ND	3.47	2.97	2.73	2350.00/M	RYC8240-2WM
7B	+8 V	+8 V	50mA	+8 V	Internally Limited	-0.3 to +12.0V	-65°C to +150°C	260°C	+3 to +5.5 V	-40°C to +85°C	SOIC-16	RYC8240-4WMCT-ND	3.47	2.97	2.73	2350.00/M	RYC8240-4WM

† For Tape & Reel Part No., change CT-ND to TR-ND

Fig.	Max Volt.	Rated Current (20°C) Hold	Rated Current (20°C) Trip	Max Current (Amp)	RMax Initial (Ohms)	Recognized By	A	B	C max.	D	F	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Raychem Part No.
LTP Series																
8A	15	.70	1.45	100	0.200	UL, TUV, CSA	0.87 (22.1)	0.20 (5.2)	0.05 (1.2)	0.30 (7.5)	0.16 (4.1)	LTP070-ND	.70	.65	.59	LTP070
8B	15	.70	1.45	100	0.200	UL, TUV, CSA	0.87 (22.1)	0.20 (5.2)	0.05 (1.2)	0.30 (7.5)	0.16 (4.1)	LTP070S-ND	.70	.65	.59	LTP070S
8A	24	1.00	2.5	100	0.130	UL, TUV, CSA	0.91 (23.1)	0.20 (5.2)	0.04 (1.0)	0.22 (5.5)	0.16 (4.1)	LTP100-ND	.70	.65	.59	LTP100
8B	24	1.00	2.5	100	0.130	UL, TUV, CSA	0.91 (23.1)	0.20 (5.2)	0.04 (1.0)	0.22 (5.5)	0.16 (4.1)	LTP100S-ND	.70	.65	.59	LTP100S
8A	24	1.80	3.8	100	0.068	UL, TUV, CSA	1.02 (26.0)	0.20 (5.2)	0.04 (1.0)	0.22 (5.5)	0.16 (4.1)	LTP180-ND	.70	.65	.59	LTP180
8B	24	1.8	3.8	100	0.068	UL, TUV, CSA	1.02 (26.0)	0.20 (5.2)	0.04 (1.0)	0.22 (5.5)	0.16 (4.1)	LTP180S-ND	.70	.65	.59	LTP180S
8A	24	1.90	4.2	100	0.057	UL, TUV, CSA	0.92 (23.4)	0.43 (11.0)	0.04 (1.1)	0.30 (7.6)	0.21 (5.4)	LTP190-ND	.68	.62	.57	LTP190
8A	24	2.60	5.2	100	0.042	UL, TUV, CSA	1.02 (26.0)	0.47 (11.9)	0.04 (1.0)	0.28 (7.0)	0.24 (6.1)	LTP260-ND	.89	.82	.74	LTP260
8A	24	3.0	6.3	100	0.031	UL, TUV, CSA	1.25 (31.8)	0.53 (13.5)	0.043 (1.1)	0.35 (8.9)	0.26 (6.6)	LTP300-ND	.89	.82	.74	LTP300
8A	24	3.1	6.0	100	0.030	UL, TUV, CSA	1.02 (26.0)	0.62 (15.9)	0.04 (1.0)	0.28 (7.0)	0.24 (6.1)	LTP310-ND	.93	.86	.78	LTP310
8A	24	3.4	6.8	100	0.027	UL, TUV, CSA	1.02 (26.0)	0.62 (15.9)	0.04 (1.0)	0.20 (5.0)	0.24 (6.1)	LTP340-ND	.93	.86	.78	LTP340

Fig.	Max Volt.	Rated Current (20°C) Hold	Rated Current (20°C) Trip	Max Current (Amp)	RMax Initial (Ohms)	Recognized By	A	B	C max.	D	F	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Raychem Part No.
SRP																
9	15	1.20	2.70	100	0.16	UL, TUV, CSA	0.87 (22.1)	0.20 (5.2)	0.04 (1.0)	—	—	SRP120-ND	.62	.57	.52	SRP120
9	15	1.75	3.80	100	0.09	UL, TUV, CSA	0.91 (23.1)	0.20 (5.2)	0.04 (1.0)	—	—	SRP175-ND	.62	.57	.52	SRP175
9	30	2.00	4.40	100	0.06	UL, TUV, CSA	0.92 (23.4)	0.43 (11.0)	0.04 (1.1)	—	—	SRP200-ND	.62	.57	.52	SRP200
9	30	3.50	6.30	100	0.03	UL, TUV, CSA	1.25 (31.8)	0.53 (13.5)	0.04 (1.1)	—	—	SRP350-ND	.66	.61	.55	SRP350
9	30	4.20	7.60	100	0.024	UL, TUV, CSA	1.28 (32.4)	0.54 (13.6)	0.04 (1.1)	—	—	SRP420-ND	.66	.61	.55	SRP420

Fig.	Max Volt.	Rated Current (20°C) Hold	Rated Current (20°C) Trip	Max Current (Amp)	R ₂ Max Initial (Ohms)	Recognized By	A (max.)	B (max.)	C (max.)	D	E	F	Digi-Key Part No.	Price Each 1	Price Each 10	Price Each 100	Tape & Reel† Size	Pricing	Raychem Part No.
SMD																			
10	60	0.30	0.60	10	4.8	UL, TUV, CSA	.314 (7.98)	.125 (3.18)	.214 (5.44)	.12 (3.1)	.200 (5.1)	.09 (2.3)	SMD030CT-ND	.86	.74	.68	2,000	412.00/M	SMD030-2
10	60	0.50	1.00	10	1.4	UL, TUV, CSA	.314 (7.98)	.125 (3.18)	.214 (5.44)	.12 (3.1)	.200 (5.1)	.09 (2.3)	SMD050CT-ND	.86	.74	.68	2,000	412.00/M	SMD050-2
10	30	0.75	1.50	40	1.0	UL, TUV, CSA	.314 (7.98)	.125 (3.18)	.214 (5.44)	.12 (3.1)	.200 (5.1)	.09 (2.3)	SMD075CT-ND	.86	.74	.68	2,000	412.00/M	SMD075-2
10	30	1.10	2.20	40	.48	UL, TUV, CSA	.314 (7.98)	.118 (3.00)	.214 (5.44)	.12 (3.1)	.200 (5.1)	.09 (2.3)	SMD100CT-ND	.82	.70	.65	2,000	391.00/M	SMD100-2
10	15	1.25	2.50	40	.25	UL, TUV, CSA	.314 (7.98)	.118 (3.00)	.214 (5.44)	.12 (3.1)	.200 (5.1)	.09 (2.3)	SMD125CT-ND	.82	.70	.65	2,000	391.00/M	SMD125-2
10	15	1.50	3.00	40	.25	UL, TUV, CSA	.370 (9.40)	.118 (3.00)	.264 (6.71)	.18 (4.6)	.240 (6.1)	.09 (2.3)	SMD150CT-ND	.86	.74	.68	1,500	412.00/M	SMD150-2
10	15	2.00	4.00	40	0.125	UL, TUV, CSA	.370 (9.40)	.118 (3.00)	.264 (6.71)	.18 (4.6)	.240 (6.1)	.09 (2.3)	SMD200CT-ND	.86	.74	.68	1,500	412.00/M	SMD200-2
10	15	2.50	5.00	40	.085	UL, TUV, CSA	.370 (9.40)	.118 (3.00)	.264 (6.71)	.18 (4.6)	.240 (6.1)	.09 (2.3)	SMD250CT-ND	.86	.74	.68	1,500	412.00/M	SMD250-2
10	6	2.60	5.20	40	.075	UL, TUV, CSA	.314 (7.98)	.118 (3.00)	.214 (5.44)	.12 (3.1)	.200 (5.1)	.09 (2.3)	SMD260CT-ND	.86	.74	.68	2,000	391.00/M	SMD260-2
10	6	3.00	6.00	40	.048	UL, TUV, CSA	.314 (7.98)	.118 (3.00)	.214 (5.44)	.12 (3.1)	.200 (5.1)	.09 (2.3)	SMD300CT-ND	.82	.70	.65	2,000	391.00/M	SMD300-2

(Continued)

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