

Battery Holders

- Renata's comprehensive line of battery holders for lithium coin cells are available as horizontal or vertical versions with through-hole or SMT-design. As a leading producer and supplier of miniature batteries, Renata has created a holder program for highest quality requirements, such as low contact resistance, safe retention of the coin cells, and state-of-the-art solderability.

Surface Mounting Technology (SMTU)

Features

Easy and fast replacement of the battery
 Designed for automatic "pick & place" mounting
 Safe retention of coin cell
 Automated battery mounting possible
 Clear separation of connections
 Protection against short circuits
 Protection against inverse polarity (polarized)
 Protection against leak currents
 Robust design
 Suitable for reflow soldering

* Gold plated contacts for increased conductivity

Specifications

Holder material: heat-resistant, glass fibre filled LCP
 Flammability rating UL 94 V-O
 Battery contacts: spring stainless steel AISI 301, nickel-plated throughout. Solder area tin-plated throughout, min. thickness 5µm.
 Contact resistance between contacts and the cell is less than 100 mΩ (measured through AC 1kHz; depending on the case material of the cell).
 UL recognition, file E218732
 Operating temperature range: - 40/+100°C

Renata part name	For use with Renata cell	Weight (g)	Maximum dimensions (mm)						Technical drawing
			A	B	C	D	E	F	
SMTU357-LF	357	0.85	23.6	19.9	11.6	12.0	7.55	20.7	PDF
SMTU1220-LF	CR1220	0.80	23.7	20.3	12.5	12.7	4.8	21.1	PDF
SMTU1225-LF	CR1225	0.70	23.7	20.3	12.5	12.7	4.8	21.1	PDF
SMTU1632-LF	CR1632	0.80	27.7	24.3	16.0	14.5	5.4	25.1	PDF
SMTU2032-LF	CR2032	0.95	32.0	28.5	20.0	16.1	5.4	29.4	PDF
SMTU2430-LF	CR2430	1.05	36.4	33.0	24.5	16.1	4.9	33.8	PDF
SMTU2450N-LF	CR2450N	1.45	36.4	33.0	24.5	16.1	7.5	33.8	PDF
SMTU2477N-LF	CR2477N	1.65	36.4	33.0	24.5	16.1	10.3	33.8	PDF
SM2X2016-LF	CR2016	0.95	32.0	28.5	20.0	16.1	5.4	29.4	PDF
SMTU2032-G*	CR2032	0.95	32.0	28.5	20.0	16.1	5.4	29.4	PDF

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