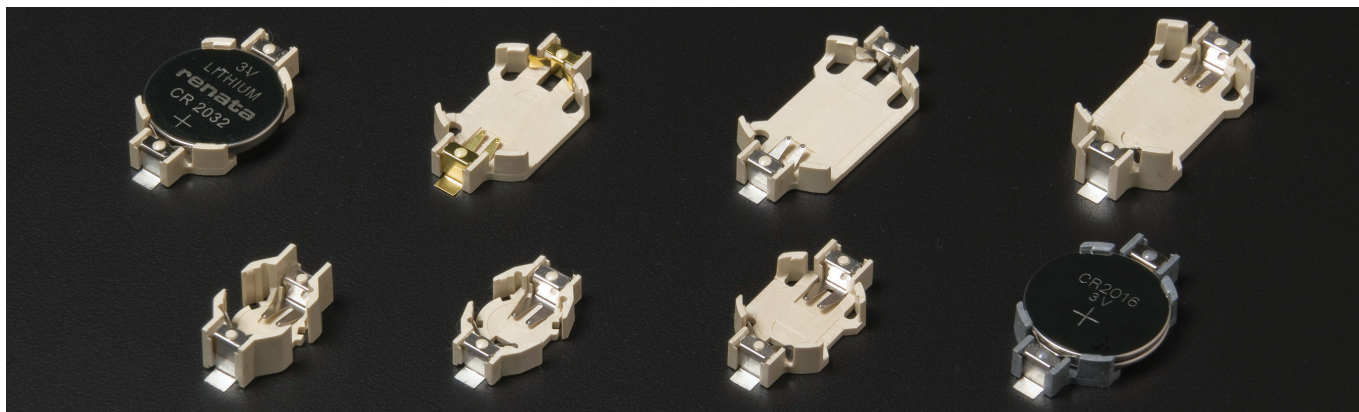


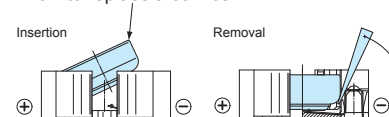


- Coin cell holder for 9 different coin cell types.
- Surface mount type with compact body.
- Heat resistant glass fiber filled LCP for lead free reflow soldering.
- Tape reel packages (-TR models) are available for bulk purchase.
- SMTU1220-G, SMTU1632-G and SMTU2032-1-G are gold plated models.

Technical Data

Operating temperature: -40°C ~ +100°C

How to replace a coin cell.



Components

Holder material	Holder color	Contact material	Contact finish
Glass fiber filled LCP (UL94V-0)	Ivory (Gray for SMTU2-2016)	SUS301	Battery contact : Nickel plated • Soldered area : Sn plated over nickel Gold plated over nickel (SMTU1220G • 1632-G • 2032-1-G models)

Product no. / Feature

Product no.	Matching coin cell	Contact type	Weight (g)	Pack of
SMTU357	LR44 / SR44	Surface mount x 2	0.9	1
SMTU1220	CR1220	Surface mount x 2	0.8	1
SMTU1220-G	CR1220	Surface mount x 2	0.8	1
SMTU1225	CR1225	Surface mount x 2	0.7	1
SMTU1632	CR1632	Surface mount x 2	0.8	1
SMTU1632-G	CR1632	Surface mount x 2	0.8	1
SMTU2-2016	CR2016×2 *1	Surface mount x 2	1.0	1
SMTU2032	CR2032	Surface mount x 2	1.0	1
SMTU2032-1-G	CR2032	Surface mount x 2	1.0	1
SMTU2430	CR2430	Surface mount x 2	1.0	1
SMTU2450	CR2450 *2	Surface mount x 2	1.5	1
NEW SMTU2477	CR2477 *3	Surface mount x 2	1.7	1
SMTU357-T	LR44 / SR44	Surface mount x 2	—	50 pcs / tray
SMTU1220-TR	CR1220	Surface mount x 2	—	750 pcs / reel
SMTU1220-G-TR	CR1220	Surface mount x 2	—	750 pcs / reel
SMTU1225-TR	CR1225	Surface mount x 2	—	750 pcs / reel
SMTU1632-T	CR1632	Surface mount x 2	—	50 pcs / tray
SMTU1632-G-TR	CR1632	Surface mount x 2	—	520 pcs / reel
SMTU2032-TR	CR2032	Surface mount x 2	—	485 pcs / reel
SMTU2032-1-G-TR	CR2032	Surface mount x 2	—	485 pcs / reel
SMTU2430-TR	CR2430	Surface mount x 2	—	490 pcs / reel
SMTU2450-TR	CR2450 *2	Surface mount x 2	—	350 pcs / reel
NEW SMTU2477-TR	CR2477 *3	Surface mount x 2	—	250 pcs / reel

*1 • *2 : Some coin cells are not suitable for SMTU2-2016 and SMTU2450. Please refer to the chart below.

To use a non-listed coin cell, please check and confirm before use.

*3 SMTU2477 can only be used with a Renata coin cell.

SMTU-2016 Suitability Chart

Brand (Product no.)	Suitability
FDK (CR2016C)	○
maxell (CR2016 1BS)	○
MITSUBISHI (CR2016)	○
Panasonic (CR2016)	×
renata (CR2016 MFR)	○
SONY (CR2016-ECO)	○
TOSHIBA (CR2016EC)	○

Reason for × : Coin cell is too thin.

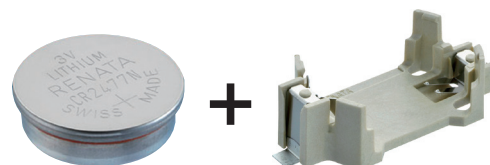
SMTU2450 Suitability Chart

Brand (Product no.)	Suitability
FDK (CR2450C)	○
maxell (CR2450)	○
maxell (CR2450HR)	×
maxell (CR2450HR-Ex)	×
MITSUBISHI (CR2450B)	○
Panasonic (CR2450)	×
renata (CR2450N)	○
SANYO (CR2450-1BP)	○
SONY (CR2450B-ECO)	○

Reason for × : Coin cell shape does not fit.

SMTU2477 can only be used with a Renata coin cell.

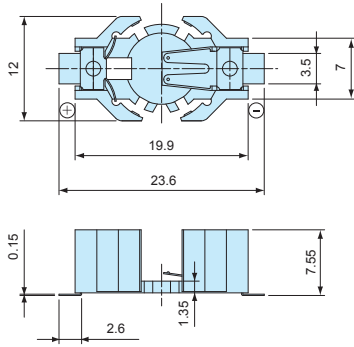
SMTU2477 is exclusively designed for use with a Renata CR2477N coin cell.



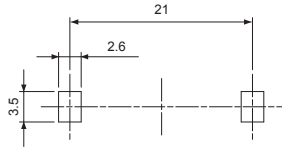
SMTU dimensions

■ DXF/DWG/PDF drawings available on our website.

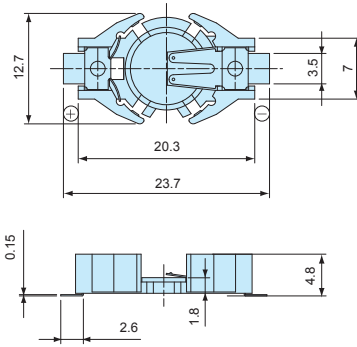
SMTU357



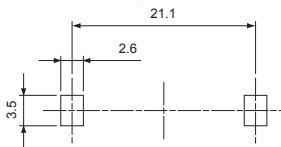
PCB layout top view



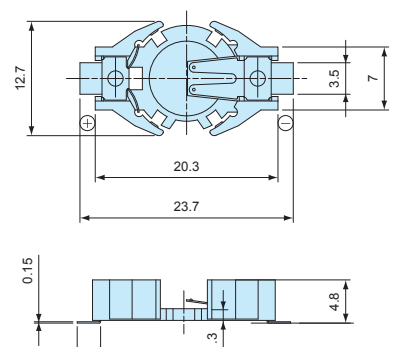
SMTU1220 / 1220-G



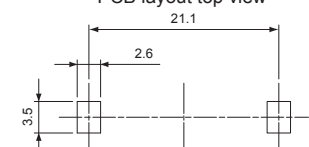
PCB layout top view



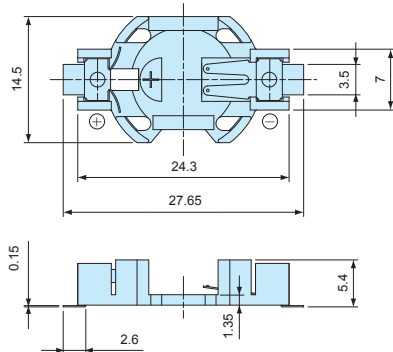
SMTU1225



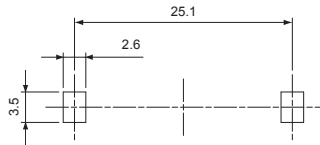
PCB layout top view



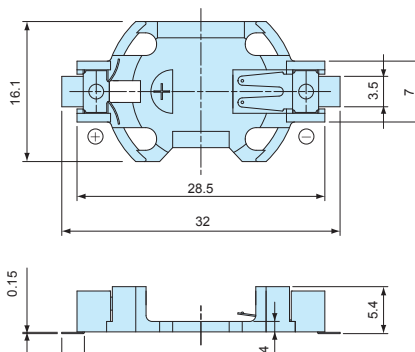
SMTU1632 / 1632-G



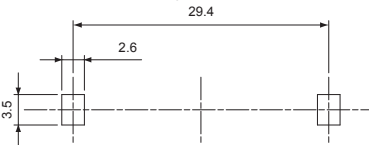
PCB layout top view



SMTU2032 / 2032-1-G / 2-2016

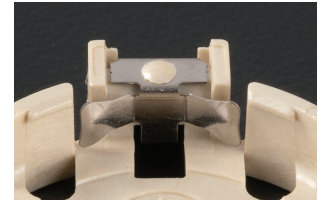


PCB layout top view

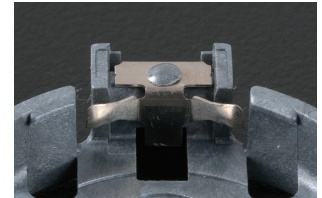


■ External dimensions of SMTU2032 and SMTU2-2016 are similar. However, each holder has a different positive contact and holder color. Refer to the images below.

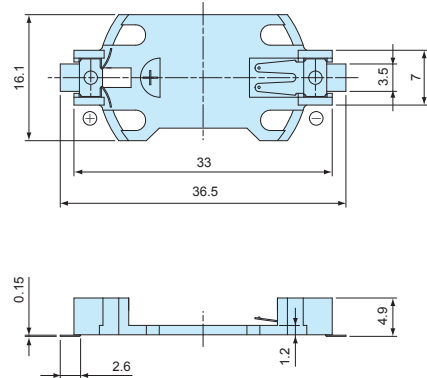
SMTU2032



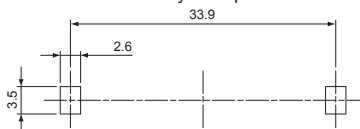
SMTU2-2016



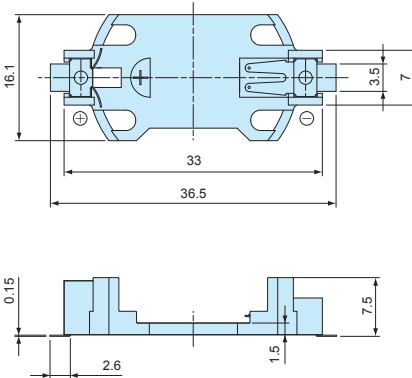
SMTU2430



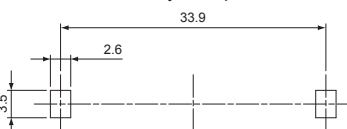
PCB layout top view



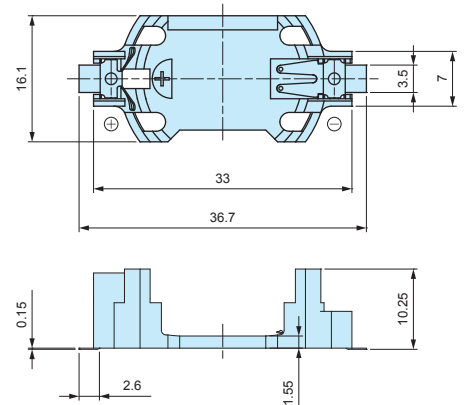
SMTU2450



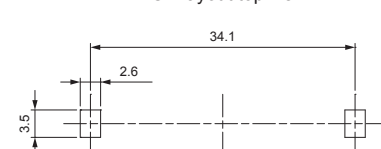
PCB layout top view



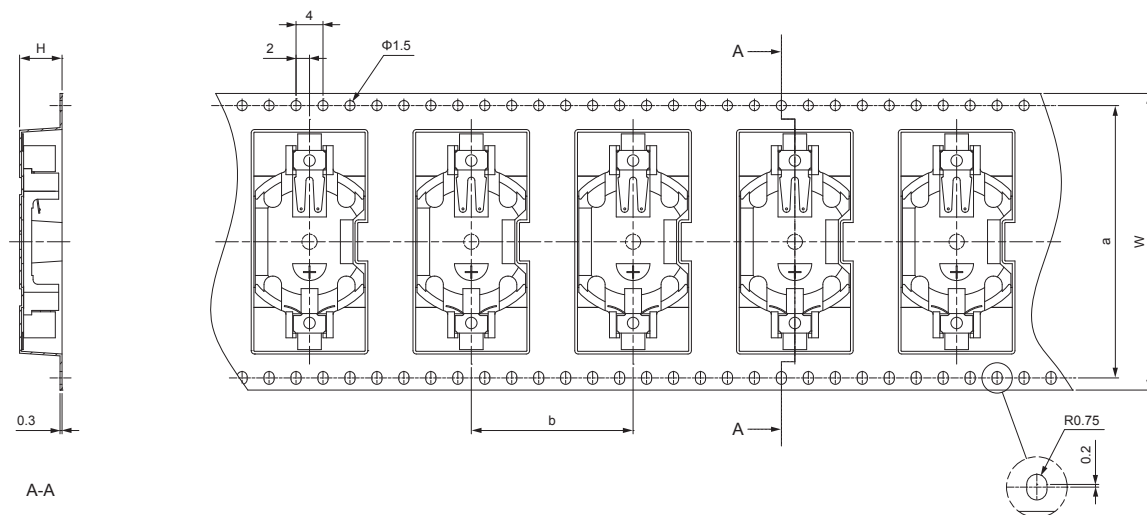
SMTU2477



PCB layout top view



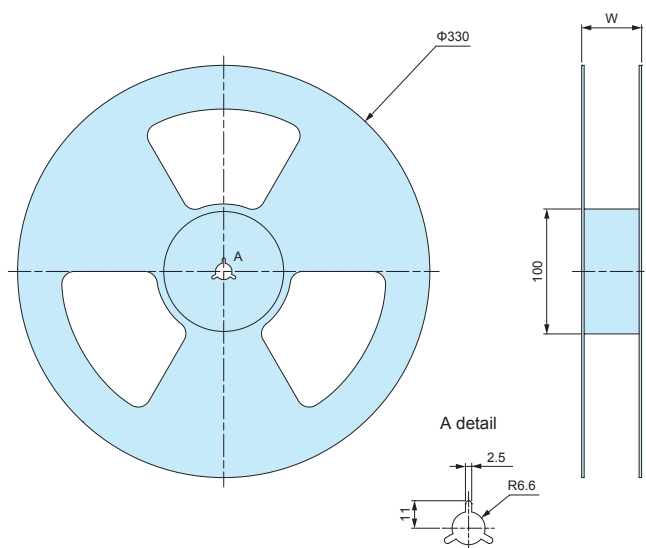
Tape dimensions



※Holder storage spacing will vary depending on model.

Product no.	W	H	a	b
SMTU1220-TR	44	6	40.4	16
SMTU1220-G-TR	44	6	40.4	16
SMTU1225-TR	44	6	40.4	16
SMTU1632-G-TR	44	6.1	40.4	20
SMTU2032-TR	44	6.3	40.4	24
SMTU2032-1-G-TR	44	6.3	40.4	24
SMTU2430-TR	56	6	52.4	24
SMTU2450-TR	56	8.5	52.4	24
SMTU2477-TR	56	10.8	52.4	24

Reel dimensions



Product no.	Pcs / Reel	w
SMTU1220-TR	750	48.5
SMTU1220-G-TR		
SMTU1225-TR	750	48.5
SMTU1632-G-TR	520	48.5
SMTU2032-TR	485	48.5
SMTU2032-1-G-TR		
SMTU2430-TR	490	61.5
SMTU2450-TR	350	61.5
SMTU2477-TR	250	61.5

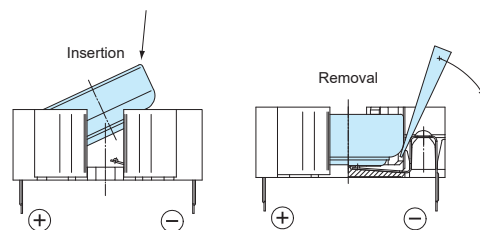


- Coin cell holder for 8 different coin cell types.
- Through-hole type with pins in a compact body.
- Heat resistant glass fiber filled LCP for lead-free reflow soldering.

Technical Data

Operating temperature: -40°C ~ +100°C

How to replace a coin cell.


Components

Holder material	Holder color	Contact material	Contact finish
Glass fiber filled LCP (UL94V-0)	Ivory	SUS301	Nickel plated • Sn plated over nickel Gold plated over nickel (HU2032-G)

Battery contact : Nickel plated • Soldered area : Sn plated over nickel

Product no. / Feature

Product no.	Matching coin cell	Contact type	Weight (g)	Pack of
HU357	LR44/SR44	Through hole x 3	0.8	1
HU1220	CR1220	Through hole x 3	0.8	1
HU1225	CR1225	Through hole x 3	0.7	1
HU1632	CR1632	Through hole x 3	0.8	1
HU2032	CR2032	Through hole x 3	1.0	1
NEW HU2032-G	CR2032	Through hole x 3	1.0	1
HU2430	CR2430	Through hole x 3	1.1	1
HU2450	CR2450 * ¹	Through hole x 3	1.5	1
HU2477	CR2477 * ²	Through hole x 3	1.7	1
HU1220-T	CR1220	Through hole x 3	—	50 pcs / tray
HU1225-T	CR1225	Through hole x 3	—	50 pcs / tray
HU1632-T	CR1632	Through hole x 3	—	50 pcs / tray
HU2032-T	CR2032	Through hole x 3	—	50 pcs / tray
NEW HU2032-G-T	CR2032	Through hole x 3	—	50 pcs / tray
HU2430-T	CR2430	Through hole x 3	—	50 pcs / tray
HU2450-T	CR2450 * ¹	Through hole x 3	—	50 pcs / tray
HU2477-T	CR2477 * ²	Through hole x 3	—	50 pcs / tray

 *¹: Some coin cells are not suitable for HU2450. Please refer to the chart below.

To use a non-listed coin cell, please check and confirm before use.

 *² HU2477 can only be used with a Renata coin cell.

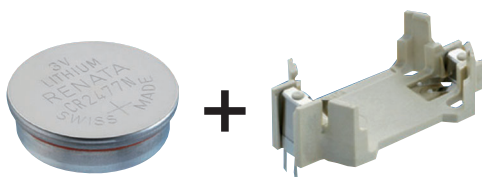
 *¹ HU2450 Suitability Chart

Brand (Product no.)	Suitability
FDK (CR2450C)	○
maxell (CR2450)	○
maxell (CR2450HR)	×
maxell (CR2450HR-Ex)	×
mitsubishi (CR2450B)	○
Panasonic (CR2450)	×
renata (CR2450N)	○
SANYO (CR2450-1BP)	○
SONY (CR2450B-ECO)	○

Reason for X : Coin cell shape does not fit.

 *² HU2477 can only be used with a Renata coin cell.

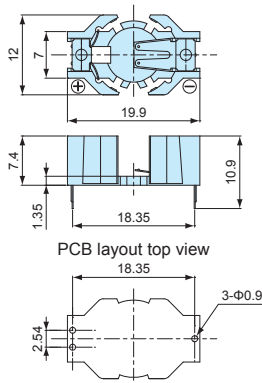
HU2477 is exclusively designed for use with a Renata CR2477N coin cell.



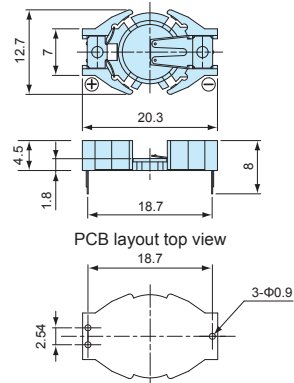
HU dimensions

■ DXF/DWG/PDF drawings available on our website.

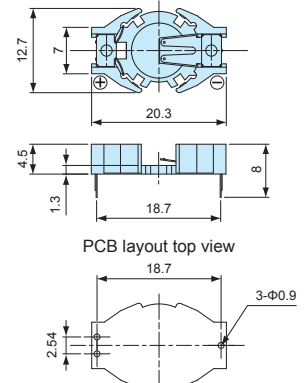
HU357



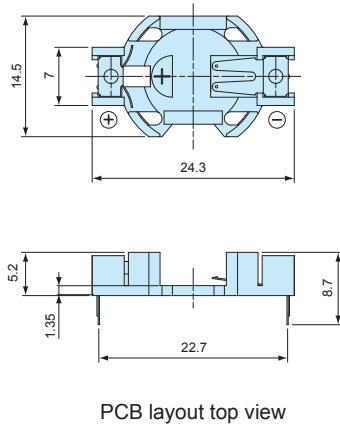
HU1220



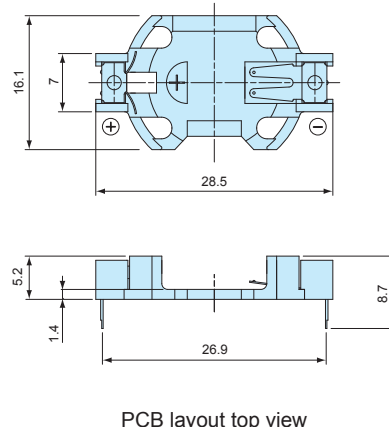
HU1225



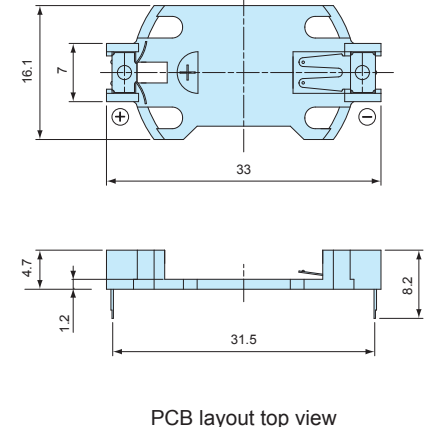
HU1632



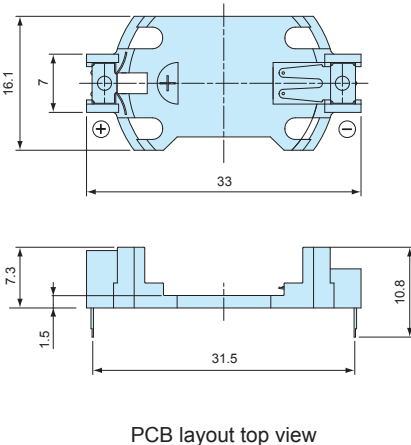
HU2032/HU2032-G



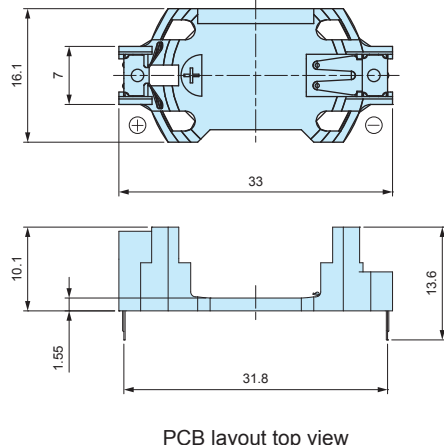
HU2430



HU2450



HU2477



PB621

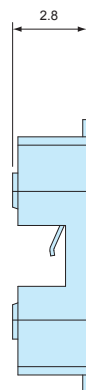
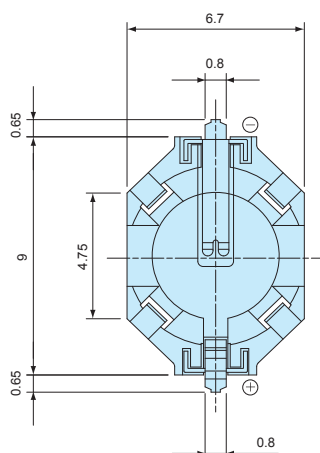
ML621 • SR621 SMALL BATTERY HOLDER



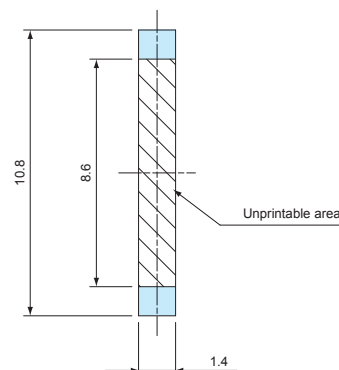
Technical Data

Operating temperature: -25°C ~ +85°C

- Heat resistant glass fiber filled LCP for lead free reflow soldering.



PCB layout top view



■ DXF/DWG/PDF drawings available on our website.

Components

Holder material	Holder color	Contact material	Contact finish
Glass fiber filled LCP (UL94V-0)	Ivory	Copper alloy	Gold plated

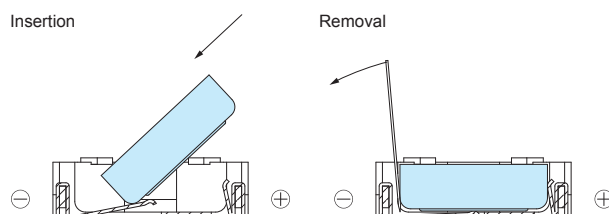
Product no. / Feature

Product no.	Matching battery	Contact type	Weight (g)	Pack of
PB621	ML621 / SR621	Surface mount x 2	0.1	10

NOTE

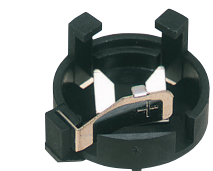
Be careful not to damage the holder when removing the battery without tools. Recommended to use a fine tipped stick or a flat head screwdriver to remove the battery.

How to replace a coin cell.



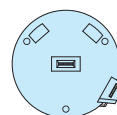
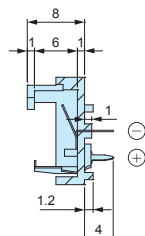
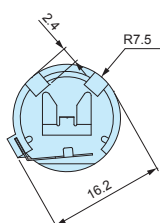
PD SERIES

BUTTON BATTERY HOLDER

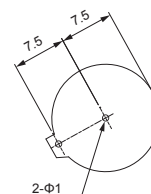


Technical Data

Operating temperature: -40°C ~ +80°C



Installation hole layout



■ DXF/DWG/PDF drawings available on our website.

Components

Holder material	Holder color	Contact material	Contact finish
PBT (UL94V-0)	Black	Phosphor bronze	Sn plated

NOTE

Insert battery fully in until it is completely flat, otherwise there may be a risk of short-circuiting.

Product no. / Feature

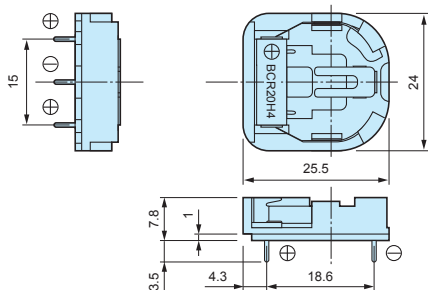
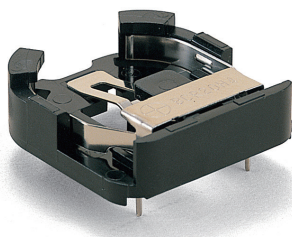
Product no.	Matching battery	Contact type	Weight (g)	Pack of
PD23	LR44 / SR44	Through hole pin x 2	0.7	1
PD23-T	LR44 / SR44	Through hole pin x 2	—	100

BCR SERIES

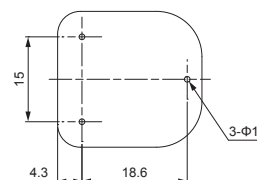
CR2032 COIN CELL HOLDER

■ DXF/DWG/PDF drawings available on our website.

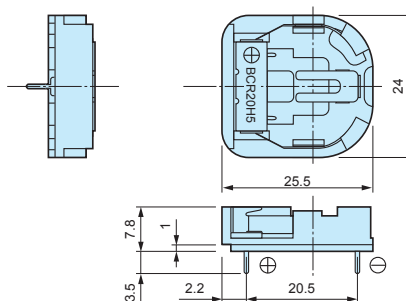
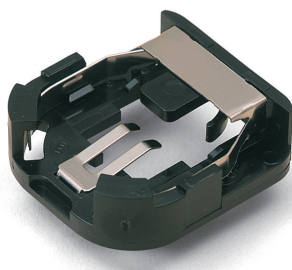
BCR20H4



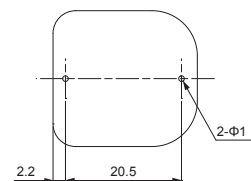
Installation hole layout



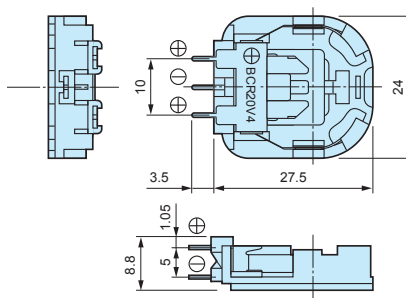
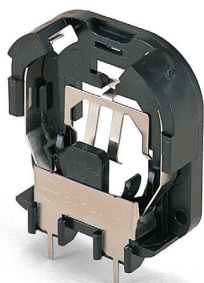
BCR20H5



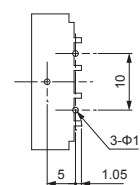
Installation hole layout



BCR20V4



Installation hole layout



Components

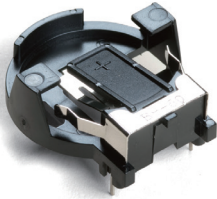
Holder material	Holder color	Contact material	Contact finish
PAR	Black	Stainless steel	Nickel plated

Technical Data

Operating temperature: -10°C ~ +85°C

Product no. / Feature

Product no.	Matching battery	Contact type	Weight (g)	Pack of
BCR20H4	CR2032	Through hole x 3	2.0	1
BCR20H5	CR2032	Through hole x 2	2.0	1
BCR20V4	CR2032	Through hole x 3	2.0	1
BCR20H4-T	CR2032	Through hole x 3	—	100 (20 pcs tray x 5)
BCR20H5-T	CR2032	Through hole x 2	—	100 (20 pcs tray x 5)
BCR20V4-T	CR2032	Through hole x 3	—	100 (20 pcs tray x 5)

BH-50N SERIES**CR2450 COIN CELL HOLDER****Technical Data**

Operating temperature: -20°C ~ +70°C

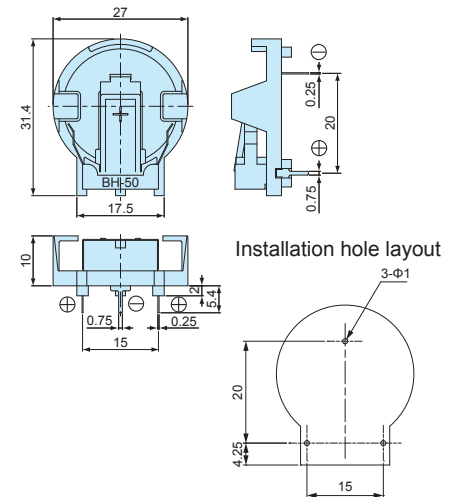
Components

Holder material	Holder color	Contact material	Contact finish
Polyphenylene oxide (UL94V-0)	Black	Stainless steel	Nickel plated

Product no. / Feature

Product no.	Battery	Contact type	Weight (g)	Pack of
BH-50N	CR2450	Through hole x 3	2.7	1
BH-50N-T	CR2450	Through hole x 3	—	50 pcs / tray

■ DXF/DWG/PDF drawings available on our website.

**BV-50N** SERIES**CR2450 VERTICAL COIN CELL HOLDER****Technical Data**

Operating temperature: -20°C ~ +70°C

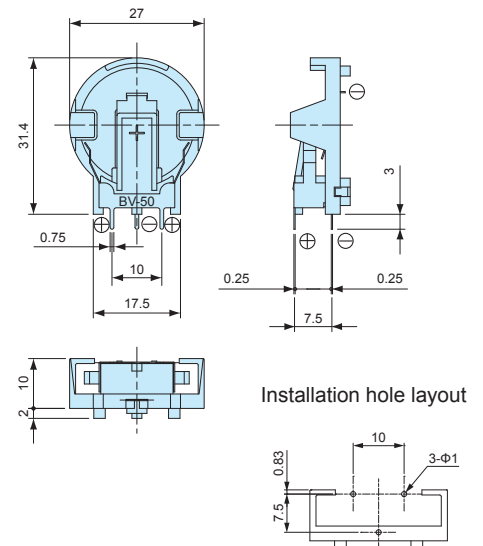
Components

Holder material	Holder color	Contact material	Contact finish
Polyphenylene oxide (UL94V-0)	Black	Stainless steel	Nickel plated

Product no. / Feature

Product no.	Battery	Contact type	Weight (g)	Pack of
BV-50N	CR2450	Through hole x 3	2.7	1
BV-50N-T	CR2450	Through hole x 3	—	50 pcs / tray

■ DXF/DWG/PDF drawings available on our website.

**CH74** SERIES**CR2032 VERTICAL COIN CELL HOLDER****Technical Data**

Operating temperature: -40°C ~ +80°C

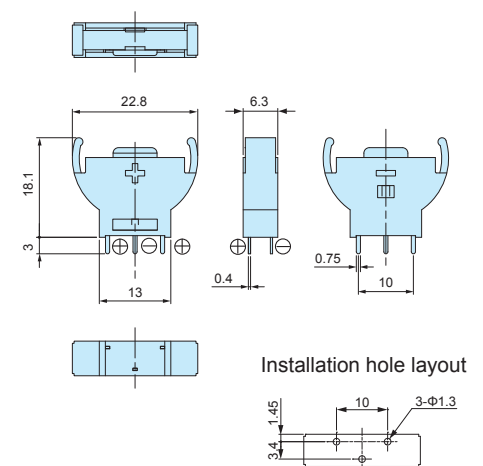
Components

Holder material	Holder color	Contact material	Contact finish
Nylon 66 (UL94V-0)	Black	Phosphor bronze	Sn plated

Product no. / Feature

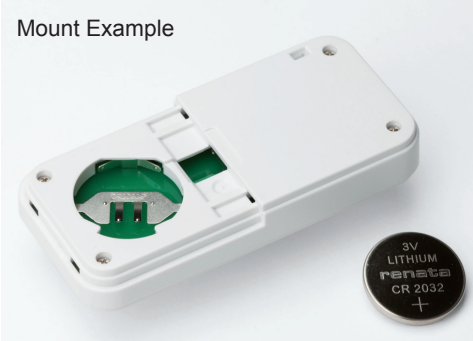
Product no.	Battery	Contact type	Weight (g)	Pack of
CH74-2032LF	CR2032	Through hole x 3	1.8	1
CH74-2032LF-T	CR2032	Through hole x 3	—	75 pcs / tray

■ DXF/DWG/PDF drawings available on our website.



CST SERIES

CR2032 BATTERY CONTACT



■ Material : SUS304 / Nickel plated

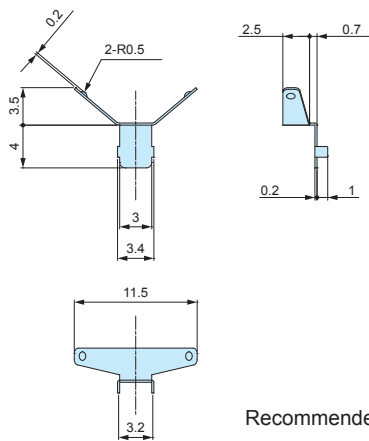
- Battery contact for CR2032 coin cell.
- "CR2032" and " - " indicators are engraved on the negative side.
- Use with enclosures that utilizes CR2032 coin cells.

Product no. / Feature

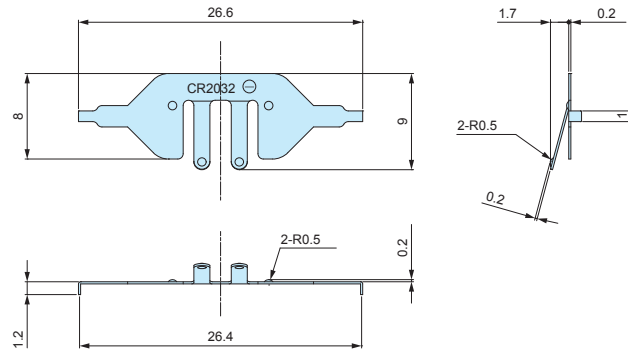
Product no.	Matching coin cell	Contact type	Weight (g)	Pack of
CST-2032P	CR2032	Through hole x 2	0.1	10
CST-2032M	CR2032	Through hole x 2	0.2	10

■ DXF/DWG/PDF drawings available on our website.

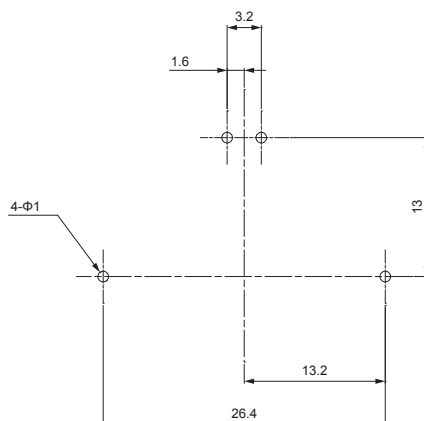
CST-2032P



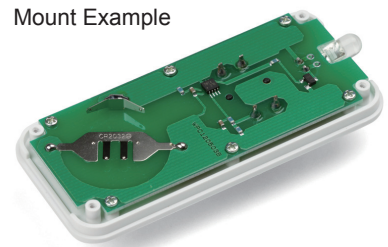
CST-2032M



Recommended PCB hole layout



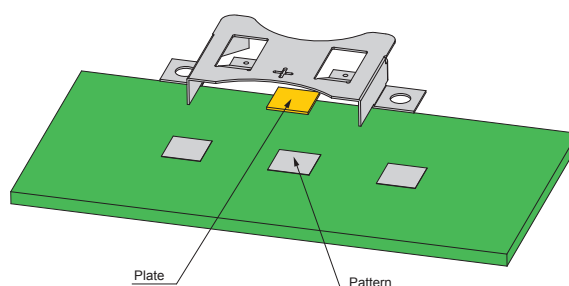
Mount Example



■ Refer to the mount example for mounting direction of contacts.



- Material / Finish : Phosphor bronze / Nickel plated
- Metal coin cell holder.
- Tape reel packages (-TR models) are available for bulk purchase.
- Make a negative pole on the PCB and place or solder a plate onto it.
BK2032M negative contact can be used for SMTM2032 and BK-888.



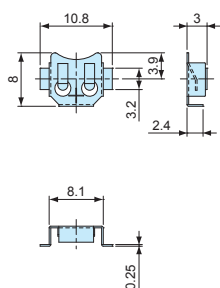
Product no. / Feature

Product no.	Matching coin cell	Contact type	Weight (g)	Pack of
BK-879	SR621/ML621	Surface mount x 2	0.2	10
BK-5091	LR44	Through hole x 2	0.5	10
NEW SMTM1225	CR1220/CR1225	Surface mount x 2	0.4	10
BK-890	CR1220/CR1225	Through hole x 2	0.4	10
SMTM1632	CR1632	Surface mount x 2	0.7	10
BK-869	CR1620/CR1632	Through hole x 2	0.7	10
BK-5067	CR2016	Surface mount x 2	0.8	10
SMTM2032	CR2032/CR2025	Surface mount x 2	0.9	10
BK-888	CR2032/CR2025	Through hole x 2	0.9	10
NEW SMTM1225-TR	CR1220/CR1225	Surface mount x 2	—	1,000 pcs / reel
SMTM1632-TR	CR1632	Surface mount x 2	—	700 pcs / reel
SMTM2032-TR	CR2032/CR2025	Surface mount x 2	—	600 pcs / reel

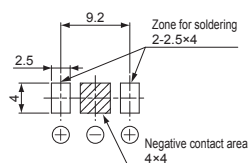
SMTM • BK dimensions

■ DXF/DWG/PDF drawings available on our website.

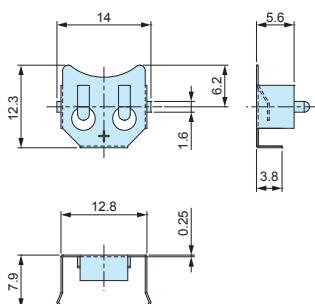
BK-879



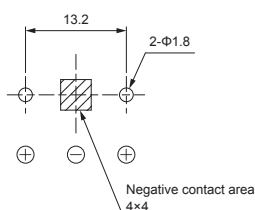
PCB layout top view



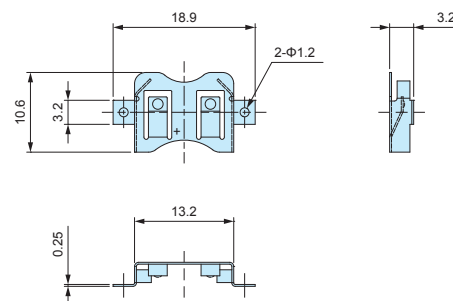
BK-5091



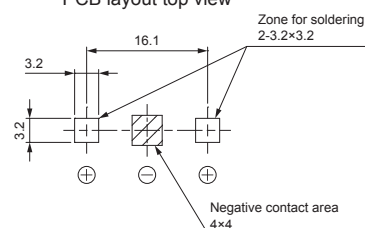
PCB layout top view



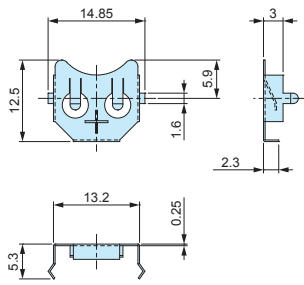
SMTM1225



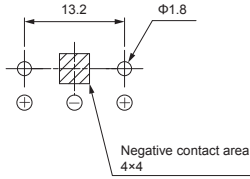
PCB layout top view



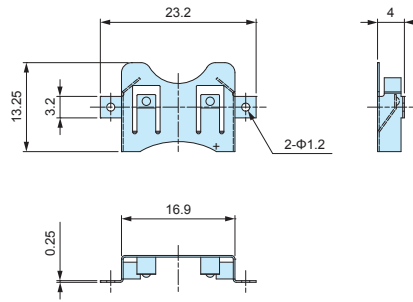
BK-890



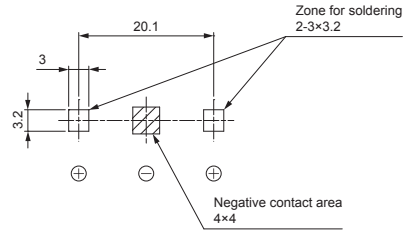
PCB layout top view



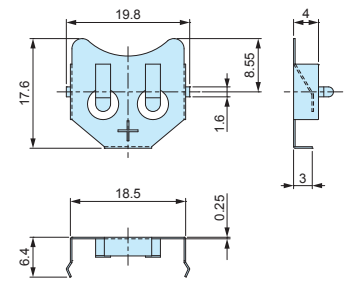
SMTM1632



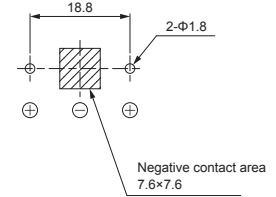
PCB layout top view



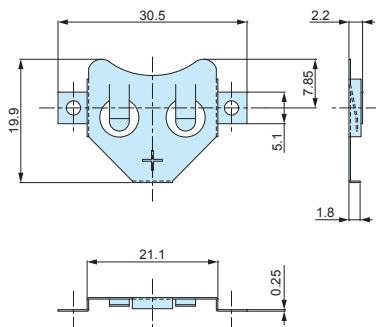
BK-869



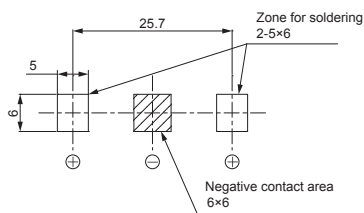
PCB layout top view



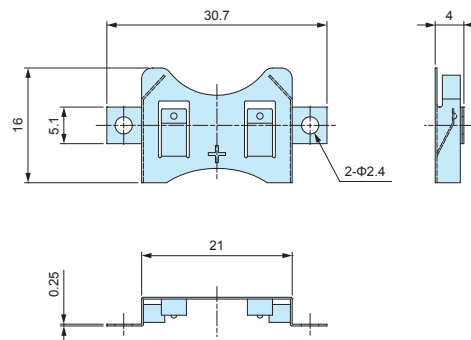
BK-5067



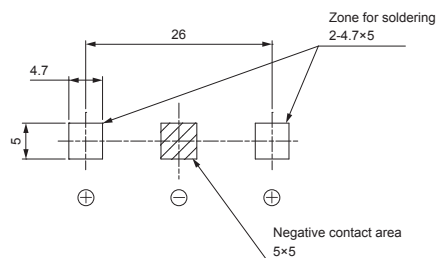
PCB layout top view



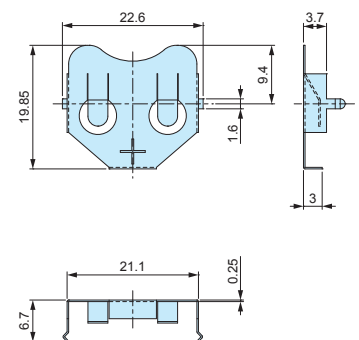
SMTM2032



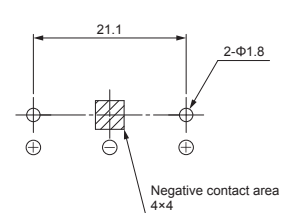
PCB layout top view



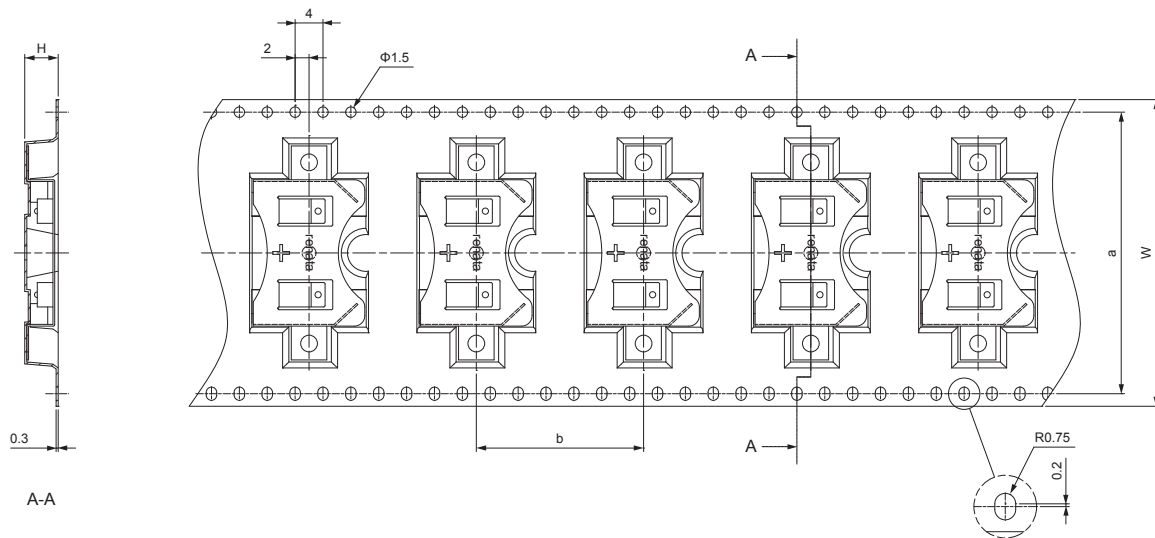
BK-888



PCB layout top view



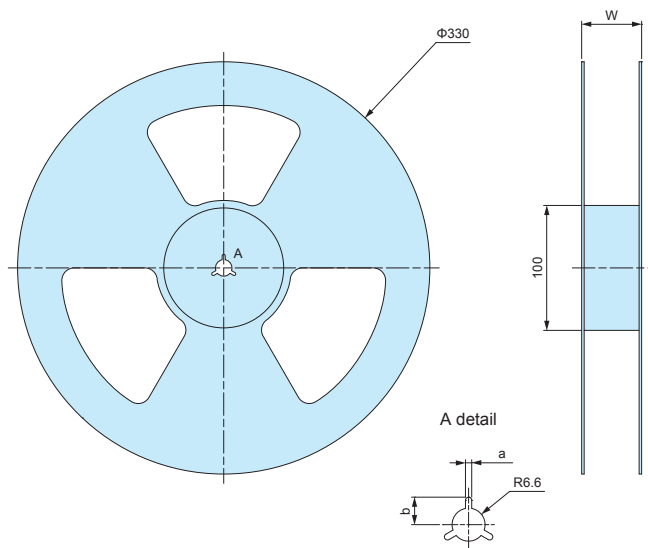
Tape dimensions



※Holder storage spacing will vary depending on model.

Product no.	W	H	a	b
SMTM1225-TR	32	3.8	28	16
SMTM1632-TR	44	4.5	40.4	20
SMTM2032-TR	44	4.8	40.4	24

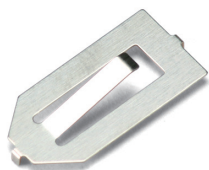
Reel dimensions



Product no.	Pcs / Reel	w	a	b
SMTM1225-TR	1,000	38.5	2.1	10.4
SMTM1632-TR	700	50.5	2.1	10.4
SMTM2032-TR	600	48.5	2.4	11

BK-2032M**NEGATIVE COIN CELL CONTACT for CR2032**

■ DXF/DWG/PDF drawings available on our website.

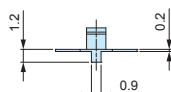
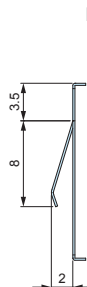
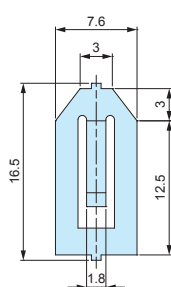


■ Material / Finish : Phosphor bronze / Nickel plated

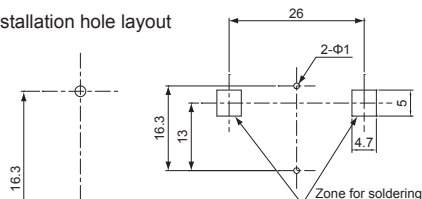
■ Negative contact for CR2032 coin cell.

■ Suitable to be used with SMTM2032 or BK-888 holders.

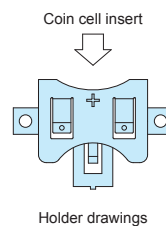
■ Cut area will have base material exposed (unfinished).



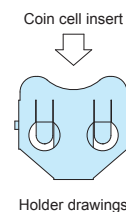
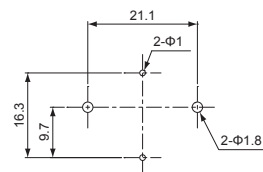
Installation hole layout



SMTM + BK-2032M PCB layout top view



BK-888 + BK-2032M PCB layout top view



■ Recommended PCB thickness for installation is 1.0mm or thinner.

Product no. / Feature

Product no.	Matching coin cell	Contact type	Weight (g)	Pack of
BK-2032M	CR2032	Through hole x 2	0.2	10