

LCT·LCS·LC HAND-HELD PLASTIC CASE

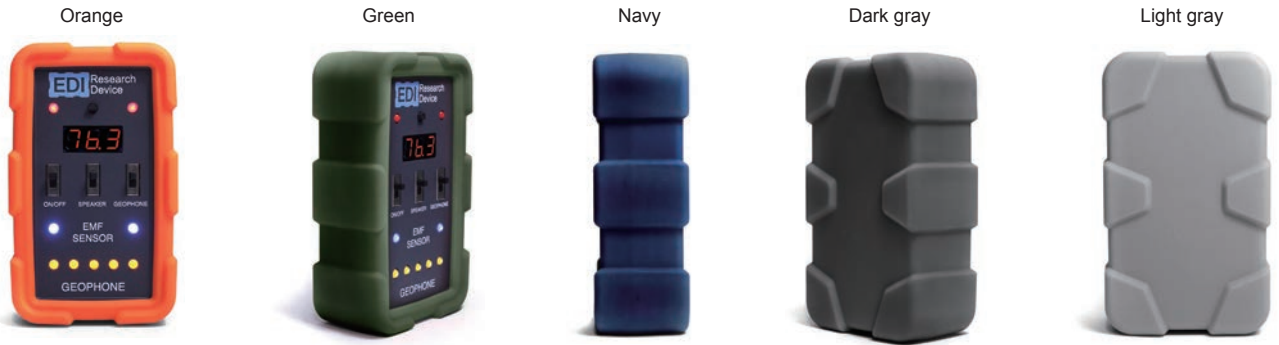
Hand-held case suitable for industrial measuring equipments, wireless communication devices and medical equipments.

8 different sizes and 9 different battery compartment types are available for LC plastic case.

LCS series comes with 7 silicone cover colors for selection.

LCT series is selectable in 5 different rugged shock-proof silicone cover colors.

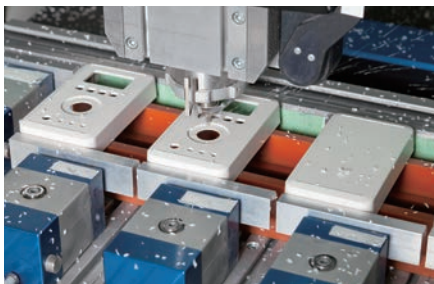
LCT Plastic case with shock-proof silicone cover



LCS Plastic case with silicone cover



CUSTOMIZATION



Machining



Custom cut on silicone cover



Custom color, custom shaped silicone cover



Digital printed overlay



APPLICATION EXAMPLE

MINI SURVEY METER

Spectrometer using CsI(Tl) scintillation detector. To achieve energy compensated by the latest electronic circuits, the dose rate is displayed in the range from 0.001 μ Sv/h to 20 μ Sv/h. It has USB communication function as standard. Dose rate changes can shown as graph on PC by using a dedicated application. The clear display uses an organic EL display (Model TC200S).

Product by Techno AP (Japan)
 Website : techno-ap.com



RF SCOPE

Arrow7 Corporation (Japan)
 Website : arrow7.co.jp



SATELLITE FINDER



Product by NEO-Electronics (France)
 Website : neo-electronics.fr

WIRELESS VOLTAGE PROBE

Product by Enertronics GmbH (Switzerland)
 Website : enertronics.ch



PORTABLE ANEMOMETER

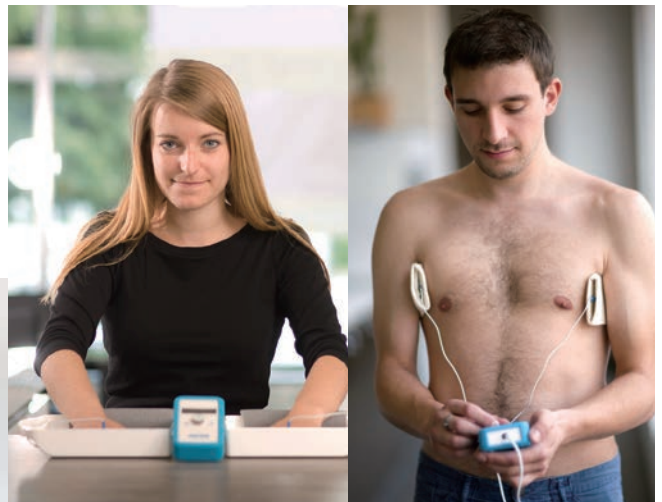


Product by FieldPro (Japan)
 Website : fieldpro.jp

HYPERHIDROSIS TREATMENT DEVICE

In hyperhidrosis treatment, iontophoresis is used to reduce the function of the sweat glands due to the effects of electric current, which causes protein coagulation.

Product by Merebit s.r.o. (Czech Republic)
 Website : merebit.com





Technical Data

Protection class: IP40
 Operating temperature: -10°C ~ +60°C

- Plastic case with silicone cover providing not only comfortable and anti-slip grip, but also protection from drop impact.
- Manufactured with flame-resistant ABS UL94V-0. Several battery compartment types are available.
- Positive (+) / negative (-) pole mark are incused on the inside of the battery compartments.
- Suitable for measuring instruments, test devices, wireless communication devices, medical devices and so on.

Battery compartment type

No battery compartment type



Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94V-0	Off-white • Dark gray
2	Bottom cover	1	ABS UL94V-0	Off-white • Dark gray
3	Panel	1	ABS UL94V-0	Off-white • Dark gray
4	Self tapping screw	4	Steel M2.6	Nickel plated • Black trivalent chromate
5	Battery cover	1	ABS UL94V-0	Off-white • Dark gray
6	Battery contact • Battery snap	1 set	Bras • Brass : PVC	Nickel plated • Nickel plated : Black
7	Silicone cover	1	Silicone	Red • Yellow • Green • Blue • Navy • Light gray • Dark gray

Accessories (Optional parts)



PCB mounting screw
 EM-2.3
 See page 135



TORX screw
 MR series
 See page 135



Key ring
 CR-20
 See page 64



Strap
 STP series
 See page 64



Tapping standoff
 TPS series
 See page 133

Battery Compartment Type

Type	N None	F2 AAA x 2	F3 AAA x 3	F4 AAA x 4	F6 AAA x 6	M2 AA x 2	M3 AA x 3	M4 AA x 4	9V 9V x 1
Battery compartment									

Color Type

Code	D R Dark gray / Red	D Y Dark gray / Yellow	D G Dark gray / Green	D B Dark gray / Blue	D N Dark gray / Navy	D D Dark gray / Dark gray	D L Dark gray / Light gray
Color							
Code	W R Off-white / Red	W Y Off-white / Yellow	W G Off-white / Green	W B Off-white / Blue	W N Off-white / Navy	W D Off-white / Dark gray	W L Off-white / Light gray
Color							

Product no. / Dimensions

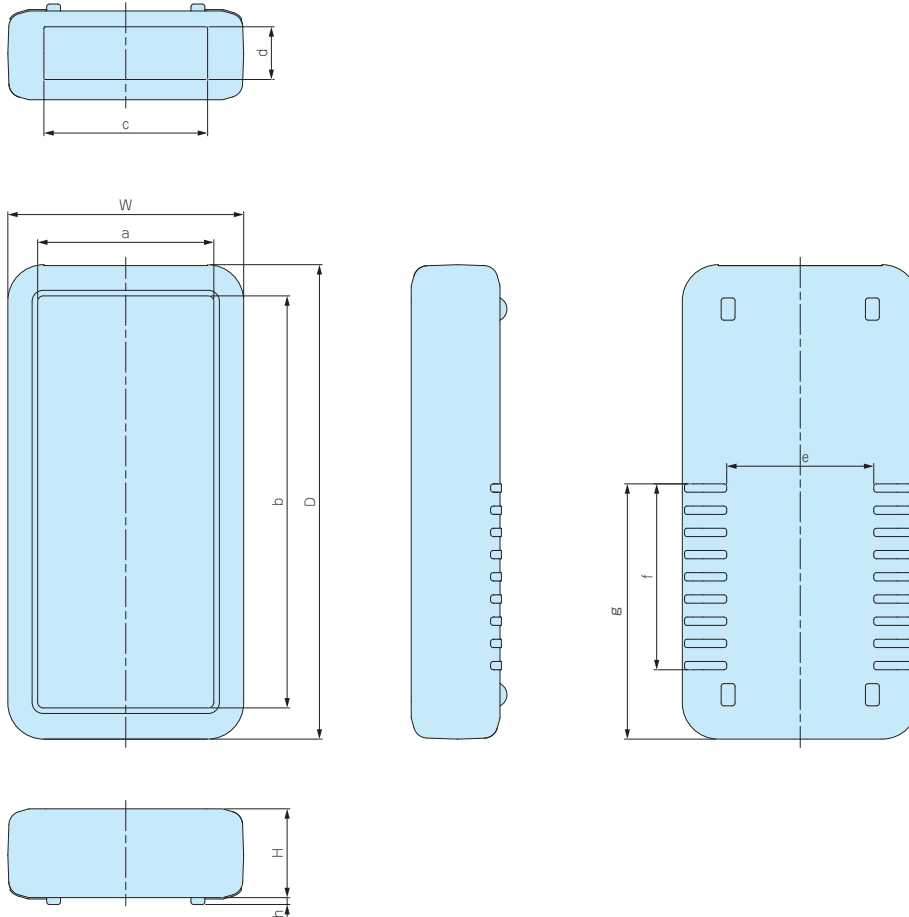
■ Please suffix color code at the end of the product number.

Product no.	W	H	D	Battery compartment	Weight (g)
LCS115 -N -□□	74(69)	24(19.5)	120(115)	None	113
LCS115 -F2 -□□	74(69)	24(19.5)	120(115)	AAA x 2	117.5
LCS115 -F3 -□□	74(69)	24(19.5)	120(115)	AAA x 3	119.5
LCS115H-N -□□	74(69)	32.5(28)	120(115)	None	130
LCS115H-F2 -□□	74(69)	32.5(28)	120(115)	AAA x 2	134.5
LCS115H-F3 -□□	74(69)	32.5(28)	120(115)	AAA x 3	136
LCS115H-M2-□□	74(69)	32.5(28)	120(115)	AA x 2	138.5
LCS115H-9V -□□	74(69)	32.5(28)	120(115)	9V x 1	138
LCS135 -N -□□	81(76)	32(27)	141(135)	None	165
LCS135 -F4 -□□	81(76)	32(27)	141(135)	AAA x 4	180
LCS135 -M2-□□	81(76)	32(27)	141(135)	AA x 2	178
LCS135 -M3-□□	81(76)	32(27)	141(135)	AA x 3	183.5
LCS135 -9V -□□	81(76)	32(27)	141(135)	9V x 1	181.5
LCS135H-N -□□	81(76)	40(35)	141(135)	None	183
LCS135H-F4 -□□	81(76)	40(35)	141(135)	AAA x 4	197.5
LCS135H-M2-□□	81(76)	40(35)	141(135)	AA x 2	196.5
LCS135H-M3-□□	81(76)	40(35)	141(135)	AA x 3	201.5
LCS135H-9V -□□	81(76)	40(35)	141(135)	9V x 1	199
NEW LCS145S-N -□□	101(96)	25(20)	151(145)	None	183.4
NEW LCS145S-F6 -□□	101(96)	25(20)	151(145)	AAA x 6	203.4
NEW LCS145 -N -□□	101(96)	32(27)	151(145)	None	202
NEW LCS145 -F6 -□□	101(96)	32(27)	151(145)	AAA x 6	222
NEW LCS145 -M2-□□	101(96)	32(27)	151(145)	AA x 2	216
NEW LCS145 -M4-□□	101(96)	32(27)	151(145)	AA x 4	223
NEW LCS145H-N -□□	101(96)	40(35)	151(145)	None	224
NEW LCS145H-F6 -□□	101(96)	40(35)	151(145)	AAA x 6	244.5
NEW LCS145H-M2-□□	101(96)	40(35)	151(145)	AA x 2	238
NEW LCS145H-M4-□□	101(96)	40(35)	151(145)	AA x 4	245
LCS165 -N -□□	85(80)	32(27)	171(165)	None	203
LCS165 -M4-□□	85(80)	32(27)	171(165)	AA x 4	222.5
LCS165H-N -□□	85(80)	40(35)	171(165)	None	220.5
LCS165H-M4-□□	85(80)	40(35)	171(165)	AA x 4	239.5

■ () value = enclosure dimension.

Silicone cover dimensions

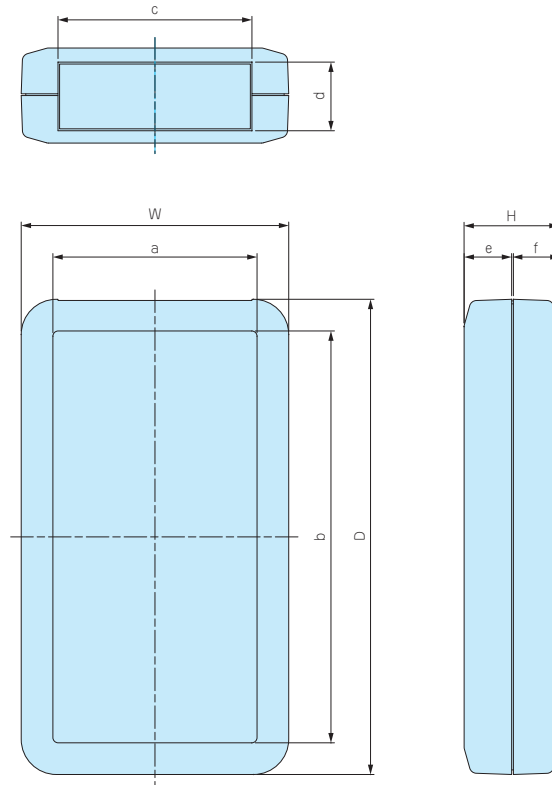
■ Refer to page 25 ~ 40 for detailed inner enclosure dimensions.



Product no.	W	H	D	a	b	c	d	e	f	g	h
LCS115 -N -□□	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2
LCS115 -F2 -□□	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2
LCS115 -F3 -□□	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2
LCS115H-N -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H-F2 -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H-F3 -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H-M2 -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H-9V -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS135 -N -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -F4 -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -M2 -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -M3 -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -9V -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135H-N -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H-F4 -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H-M2 -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H-M3 -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H-9V -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS145S-N -□□	101	25	151	76.5	125.5	71	12	71	59	81	2.5
LCS145S-F6 -□□	101	25	151	76.5	125.5	71	12	71	59	81	2.5
LCS145 -N -□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145 -F6 -□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145 -M2 -□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145 -M4 -□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145H-N -□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS145H-F6 -□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS145H-M2 -□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS145H-M4 -□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS165 -N -□□	85	32	171	63.5	148.5	59	19	53	67	92	2.5
LCS165 -M4 -□□	85	32	171	63.5	148.5	59	19	53	67	92	2.5
LCS165H-N -□□	85	40	171	63.5	148.5	59	27	53	67	92	2.5
LCS165H-M4 -□□	85	40	171	63.5	148.5	59	27	53	67	92	2.5

Enclosure dimensions

■ Refer to page 25 ~ 40 for detailed inner enclosure dimensions.



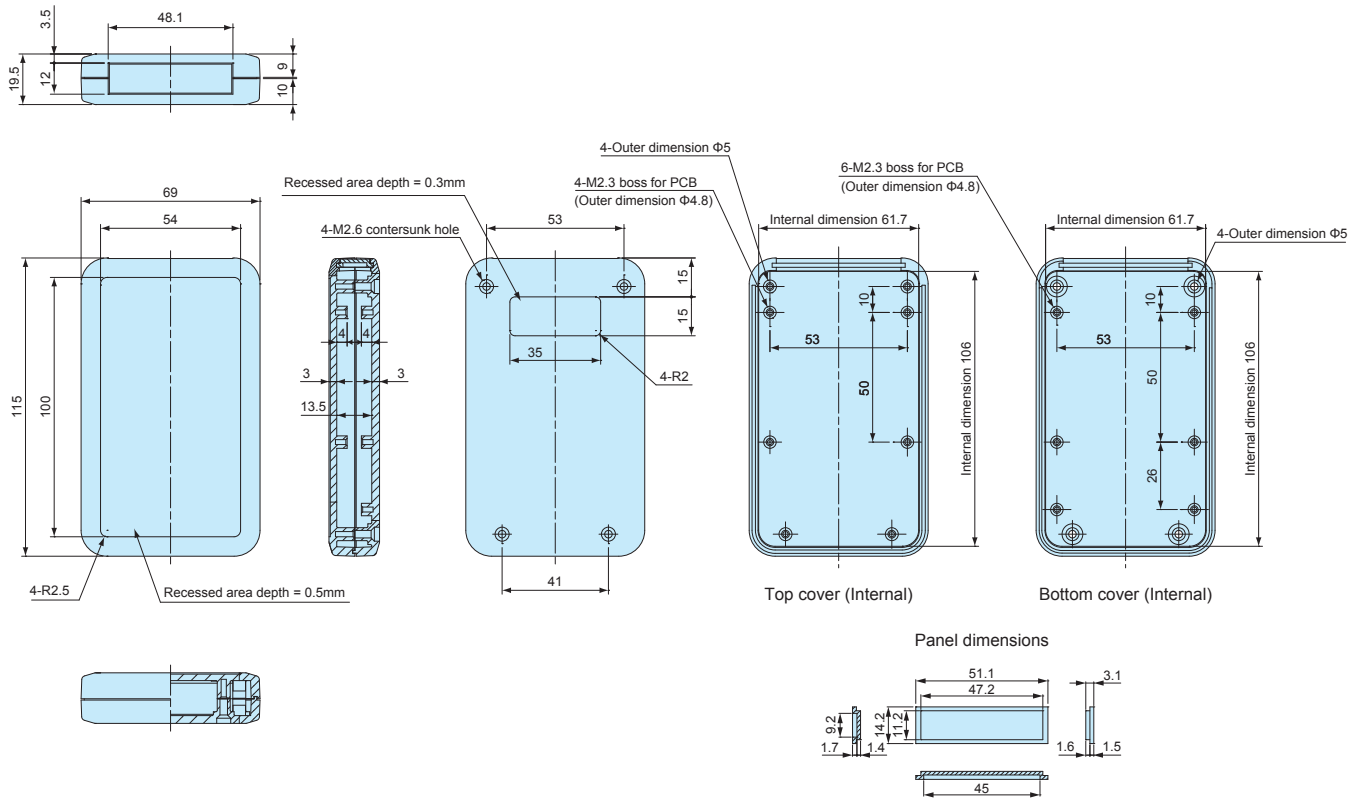
■ Please suffix color code at the end of the product number.

Product no.	W	H	D	a	b	c	d	e	f	Battery compartment
LCS115 -N -□□	69	19.5	115	54	100	48.1	12	10	9	None
LCS115 -F2 -□□	69	19.5	115	54	100	48.1	12	10	9	AAA x 2
LCS115 -F3 -□□	69	19.5	115	54	100	48.1	12	10	9	AAA x 3
LCS115H-N -□□	69	28	115	54	100	48.1	20.5	18.5	9	None
LCS115H-F2 -□□	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 2
LCS115H-F3 -□□	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 3
LCS115H-M2-□□	69	28	115	54	100	48.1	20.5	18.5	9	AA x 2
LCS115H-9V -□□	69	28	115	54	100	48.1	20.5	18.5	9	9V x 1
LCS135 -N -□□	76	27	135	58	117	55.1	19.5	13.5	13	None
LCS135 -F4 -□□	76	27	135	58	117	55.1	19.5	13.5	13	AAA x 4
LCS135 -M2-□□	76	27	135	58	117	55.1	19.5	13.5	13	AA x 2
LCS135 -M3-□□	76	27	135	58	117	55.1	19.5	13.5	13	AA x 3
LCS135 -9V -□□	76	27	135	58	117	55.1	19.5	13.5	13	9V x 1
LCS135H-N -□□	76	35	135	58	117	55.1	27.5	21.5	13	None
LCS135H-F4 -□□	76	35	135	58	117	55.1	27.5	21.5	13	AAA x 4
LCS135H-M2-□□	76	35	135	58	117	55.1	27.5	21.5	13	AA x 2
LCS135H-M3-□□	76	35	135	58	117	55.1	27.5	21.5	13	AA x 3
LCS135H-9V -□□	76	35	135	58	117	55.1	27.5	21.5	13	9V x 1
NEW LCS145S-N -□□	96	20	145	75	124	71.1	12.5	7.5	12	None
NEW LCS145S-F6 -□□	96	20	145	75	124	71.1	12.5	7.5	12	AAA x 6
NEW LCS145 -N -□□	96	27	145	75	124	71.1	19.5	14.5	12	None
NEW LCS145 -F6 -□□	96	27	145	75	124	71.1	19.5	14.5	12	AAA x 6
NEW LCS145 -M2-□□	96	27	145	75	124	71.1	19.5	14.5	12	AA x 2
NEW LCS145 -M4-□□	96	27	145	75	124	71.1	19.5	14.5	12	AA x 4
NEW LCS145H-N -□□	96	35	145	75	124	71.1	27.5	22.5	12	None
NEW LCS145H-F6 -□□	96	35	145	75	124	71.1	27.5	22.5	12	AAA x 6
NEW LCS145H-M2-□□	96	35	145	75	124	71.1	27.5	22.5	12	AA x 2
NEW LCS145H-M4-□□	96	35	145	75	124	71.1	27.5	22.5	12	AA x 4
LCS165 -N -□□	80	27	165	62	147	59.1	19.5	13.5	13	None
LCS165 -M4-□□	80	27	165	62	147	59.1	19.5	13.5	13	AA x 4
LCS165H-N -□□	80	35	165	62	147	59.1	27.5	21.5	13	None
LCS165H-M4-□□	80	35	165	62	147	59.1	27.5	21.5	13	AA x 4

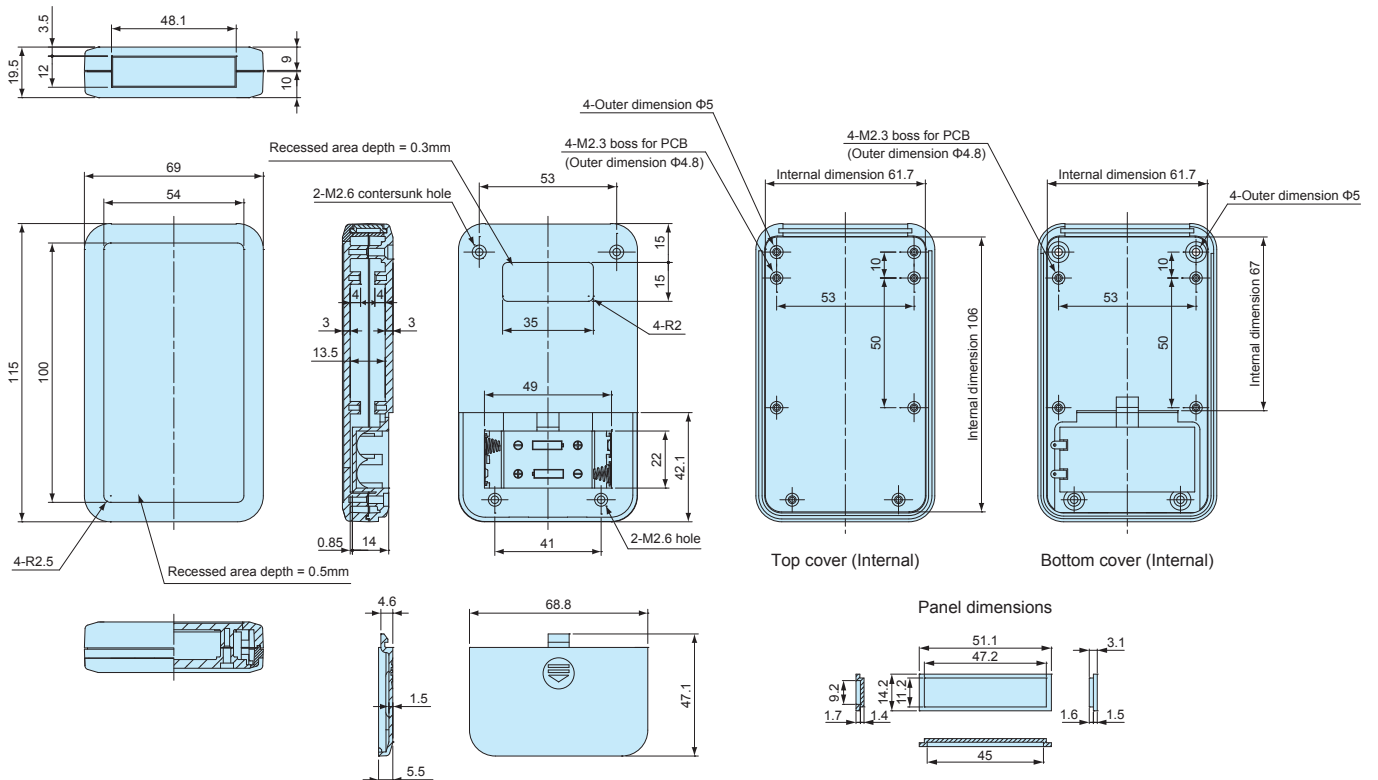
LCT • LCS • LC dimensions

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

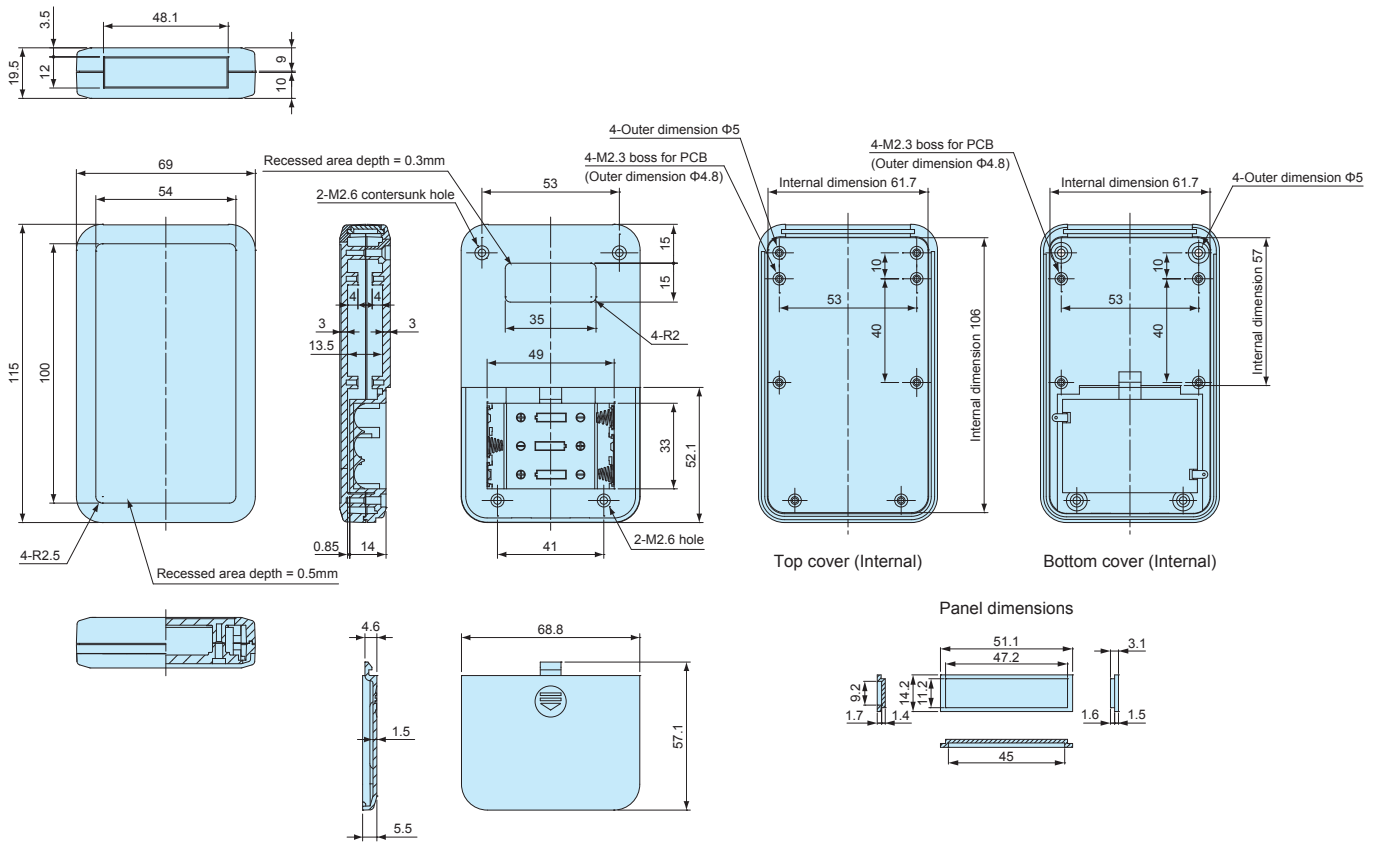
LCT115-N / LCS115-N / LC115-N



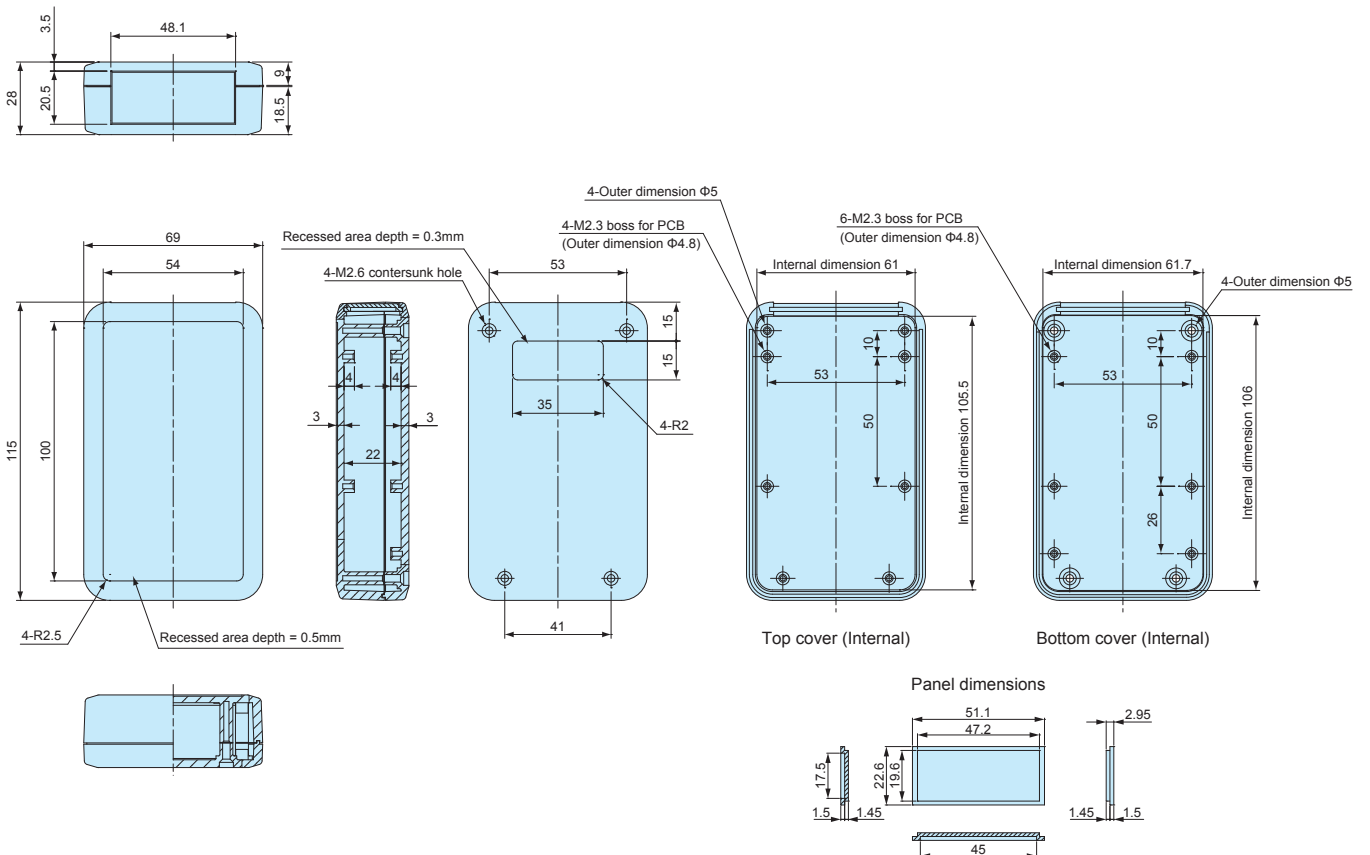
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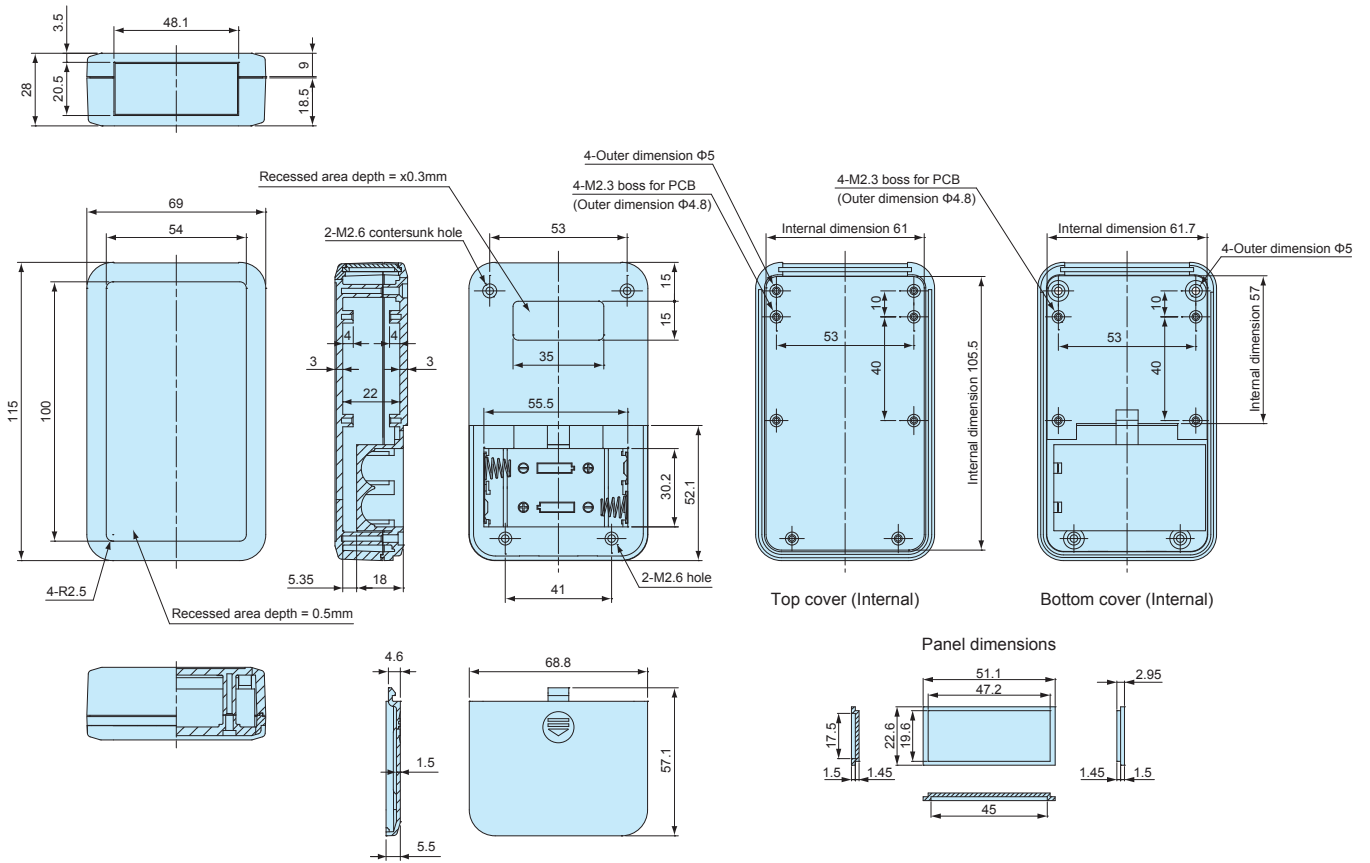
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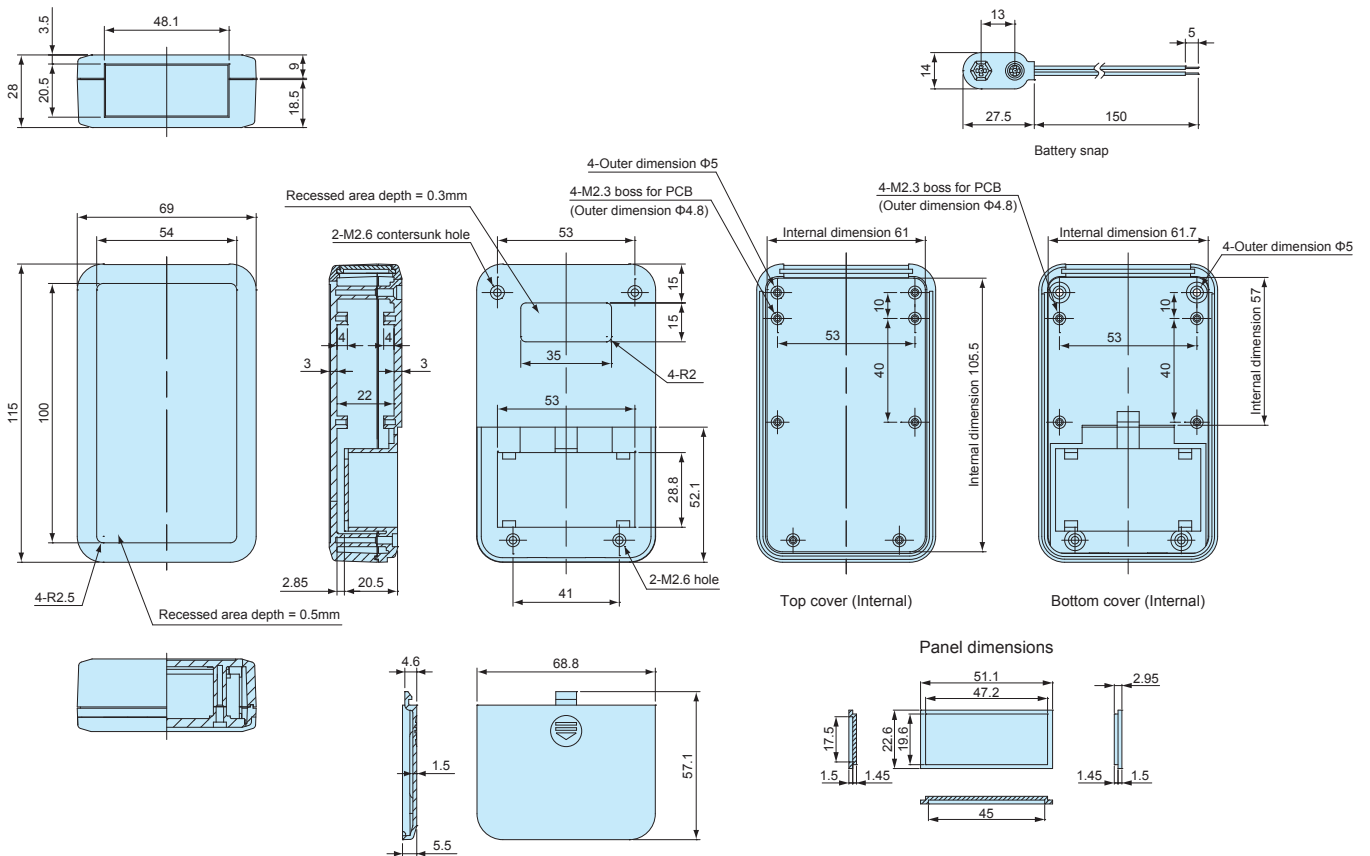
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LCT115H-M2 / LCS115H-M2 / LC115H-M2



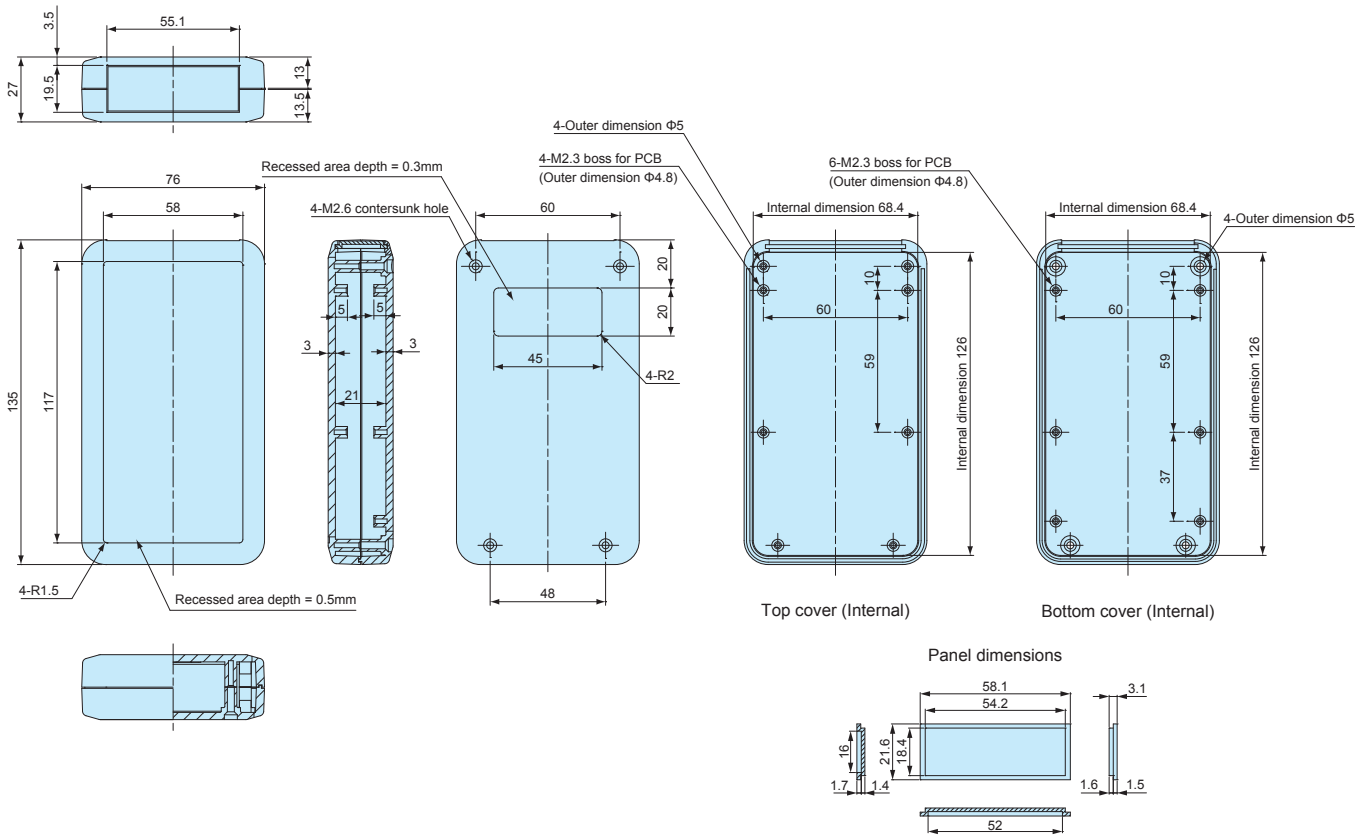
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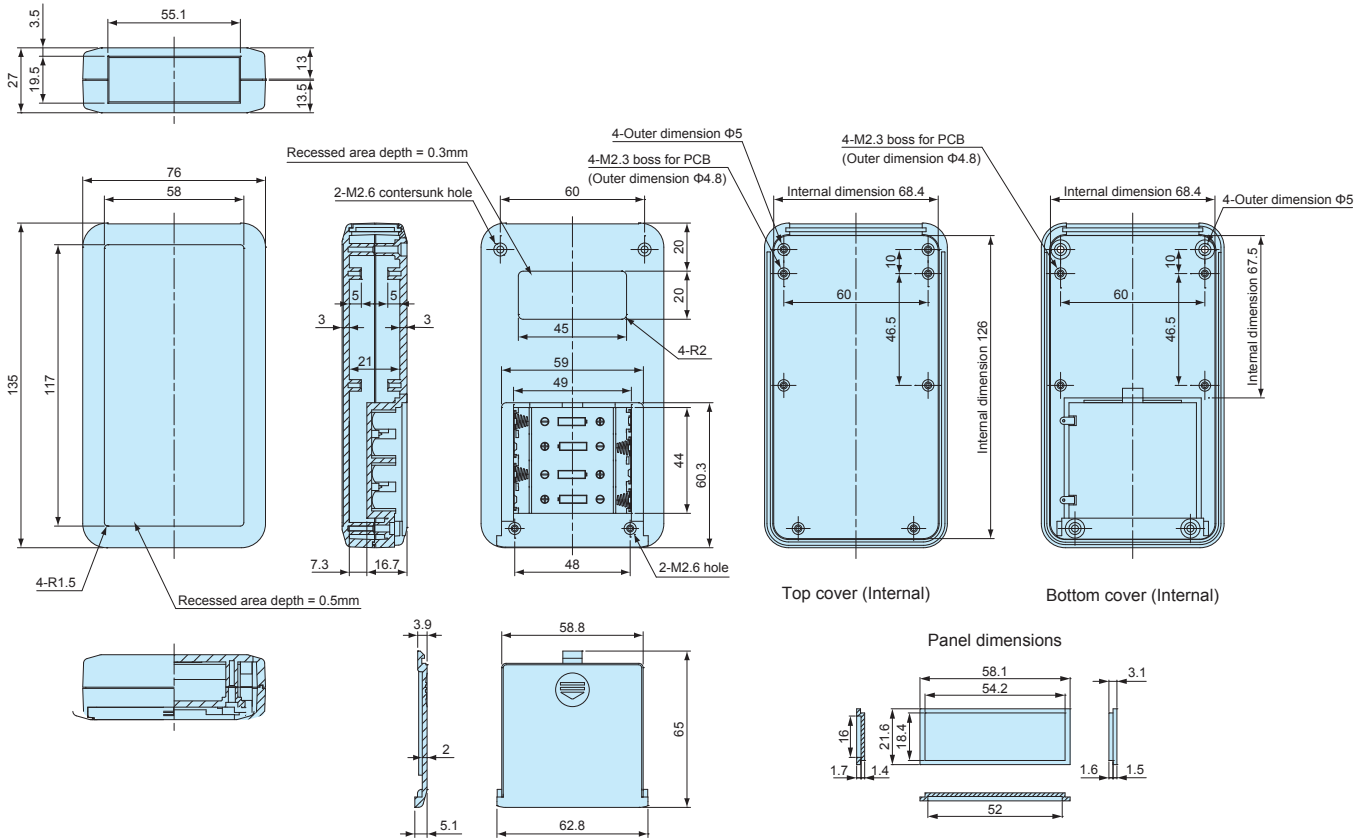
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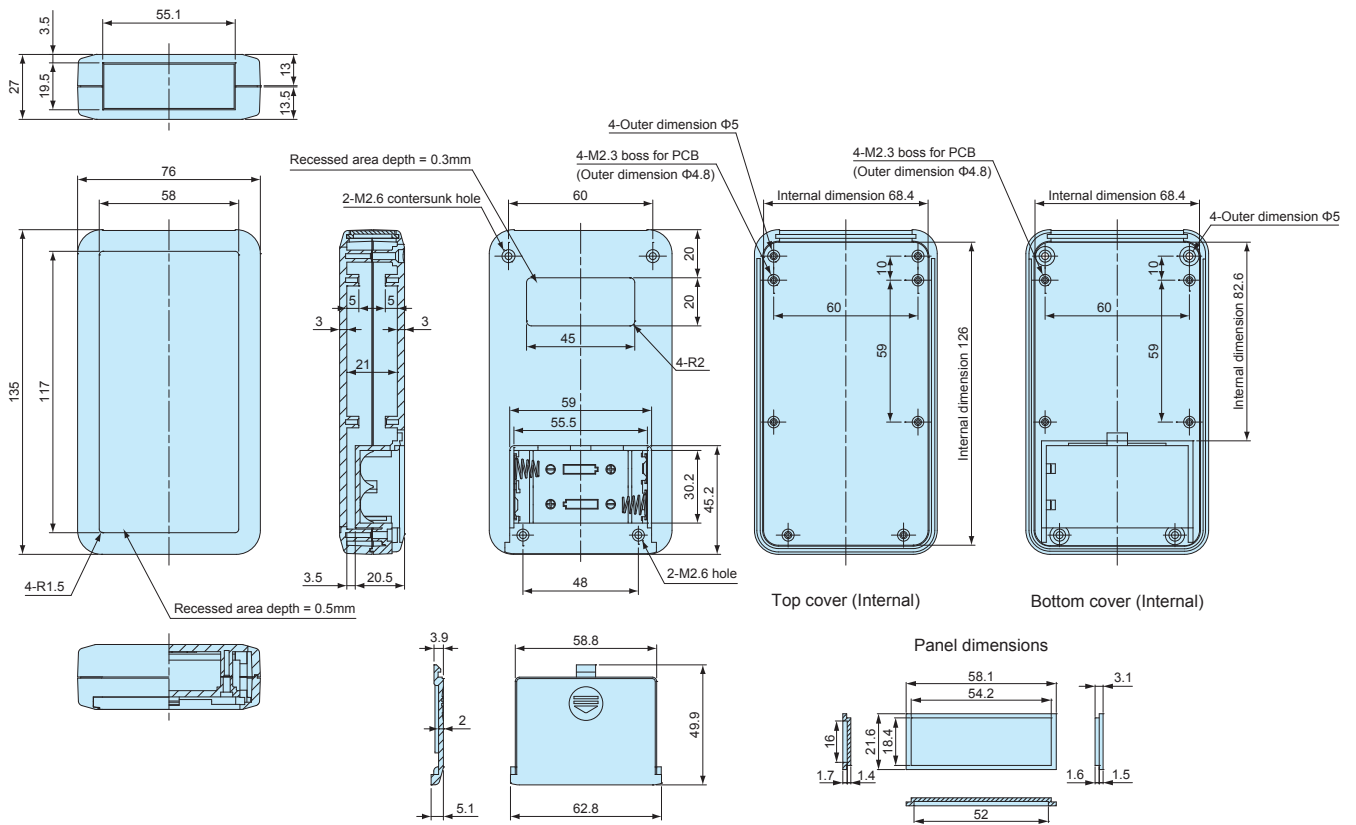
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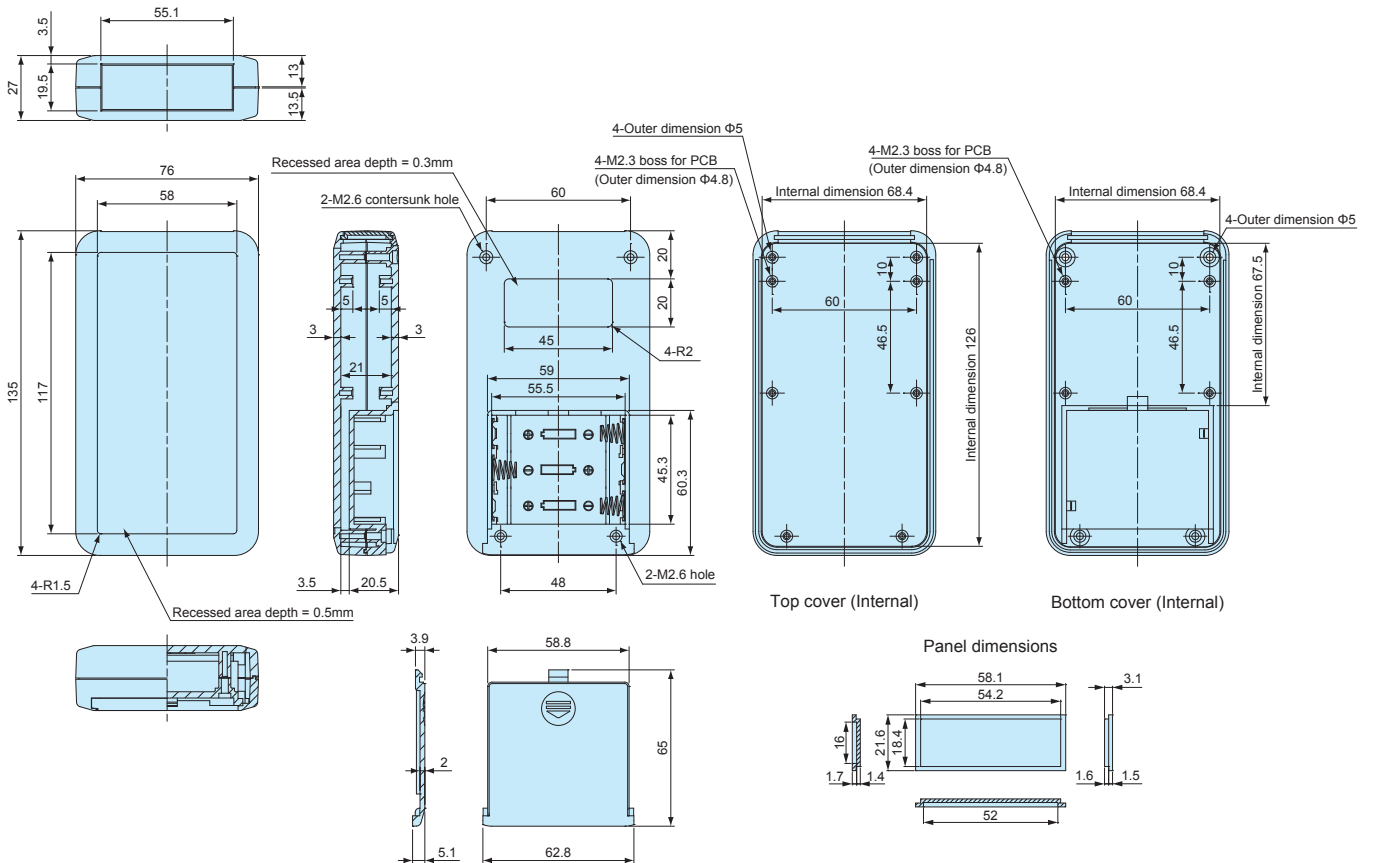
LCT135-F4 / LCS135-F4 / LC135-F4



LCT135-M2 / LCS135-M2 / LC135-M2



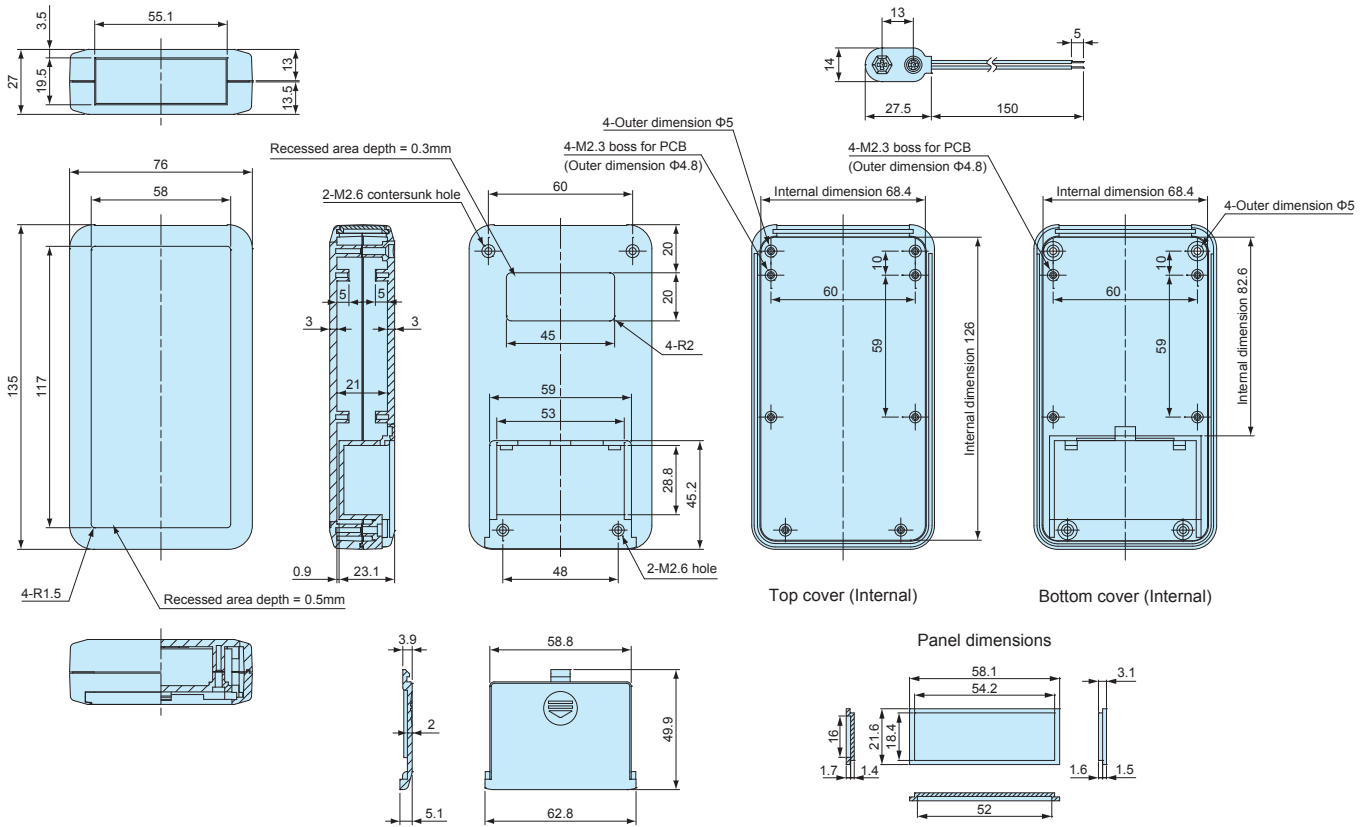
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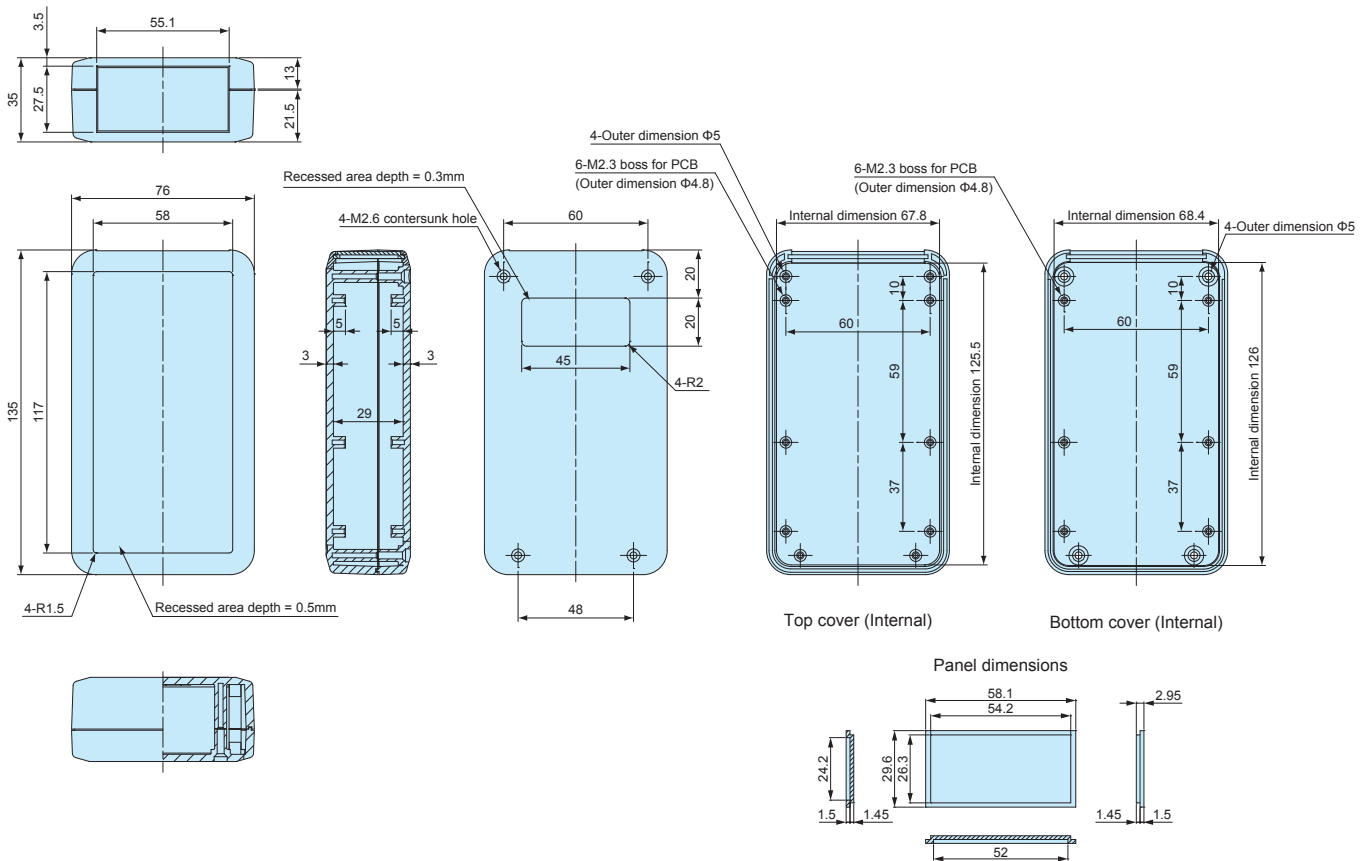
LCT • LCS • LC dimensions

DXF/DWG/PDF drawings available on our website.

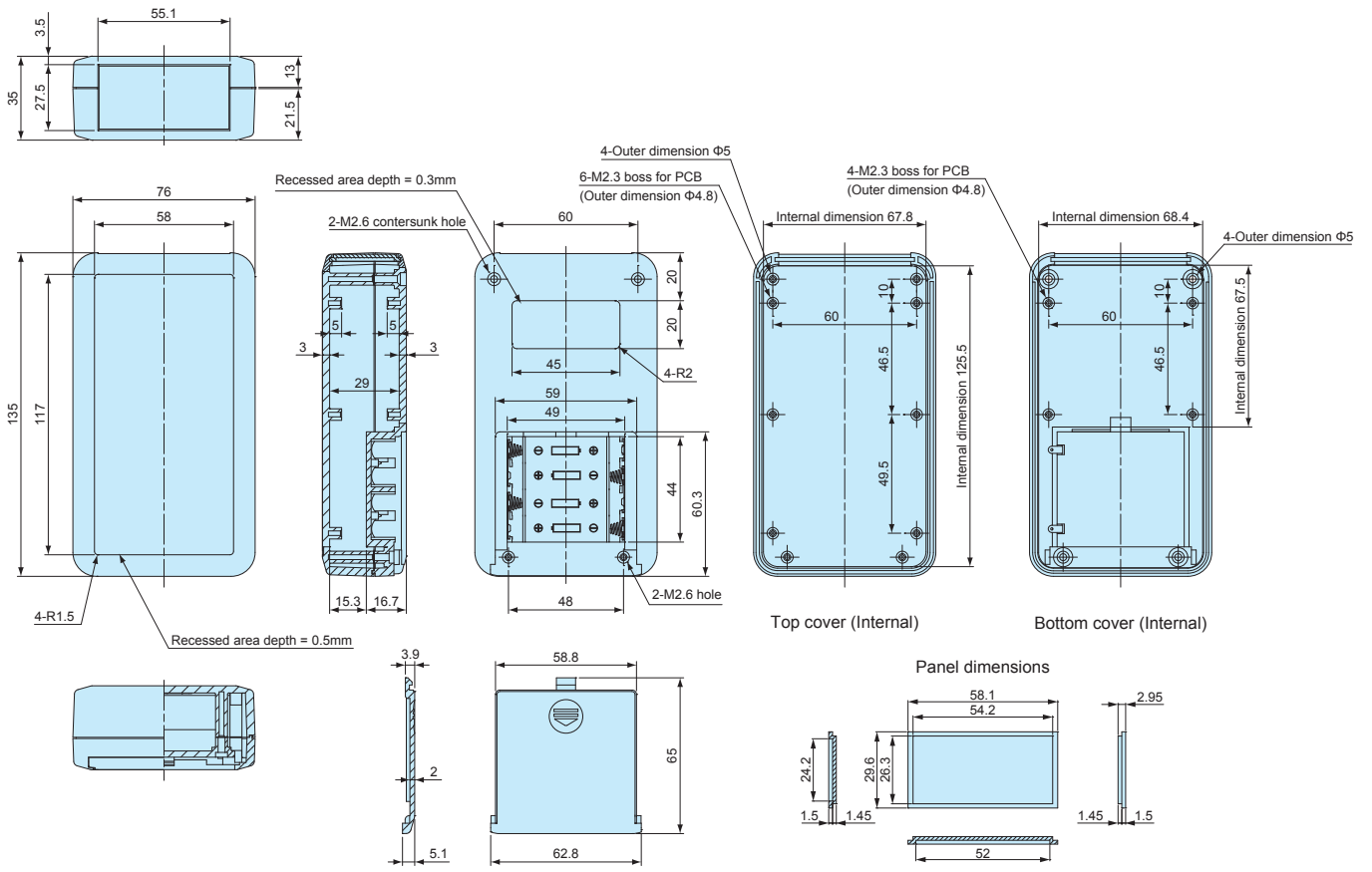
LCT135-9V / LCS135-9V / LC135-9V



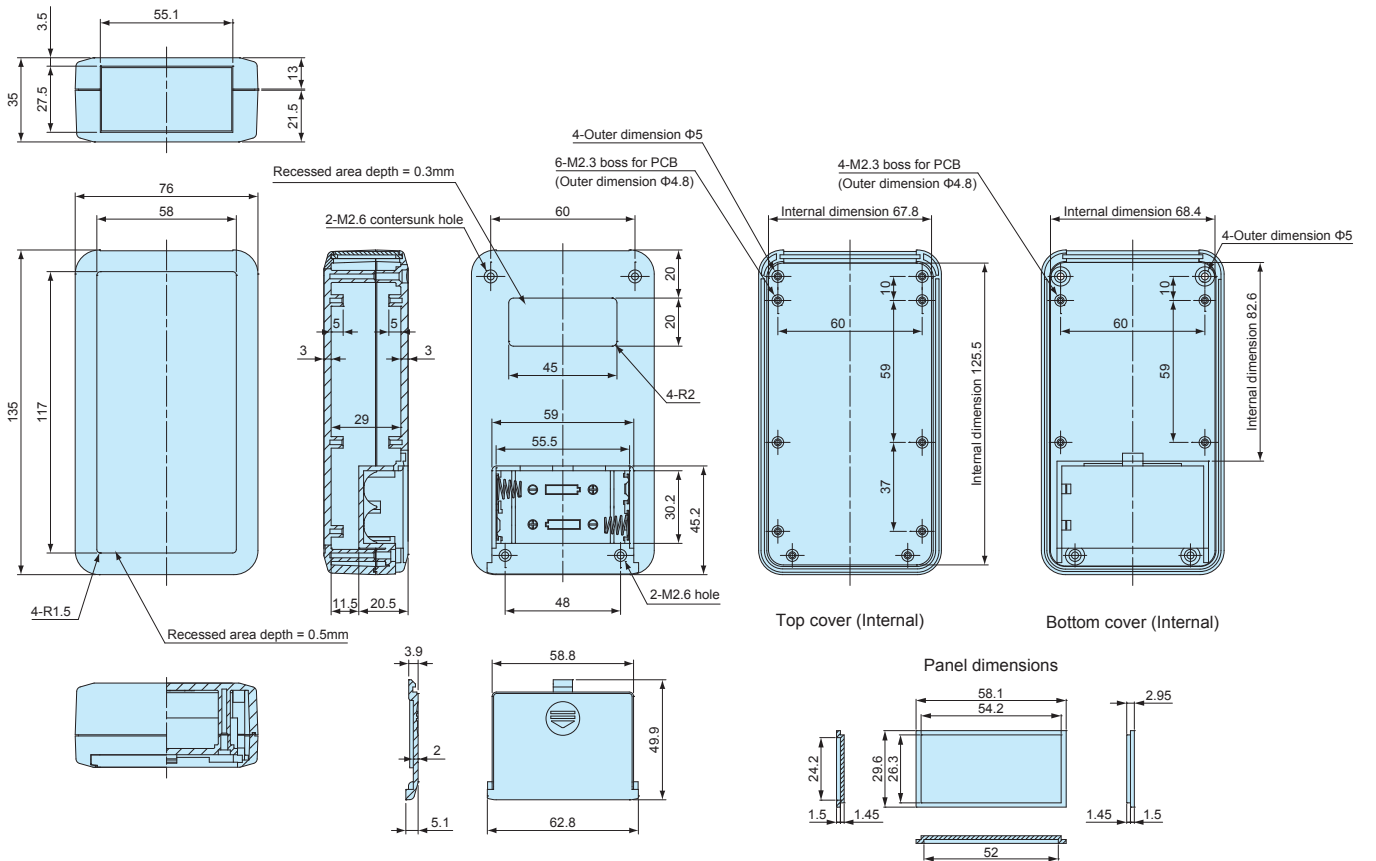
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LCT135H-F4 / LCS135H-F4 / LC135H-F4



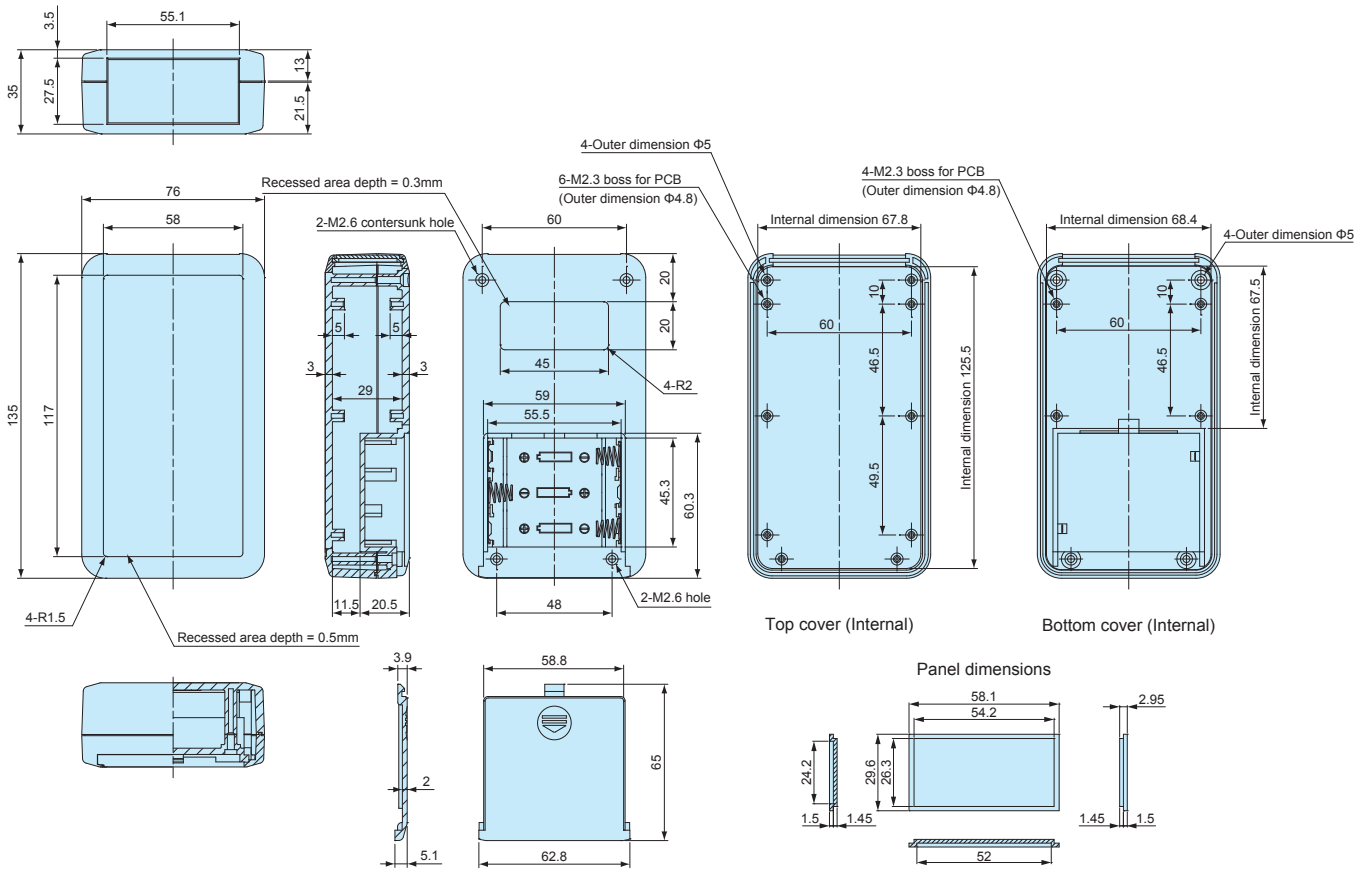
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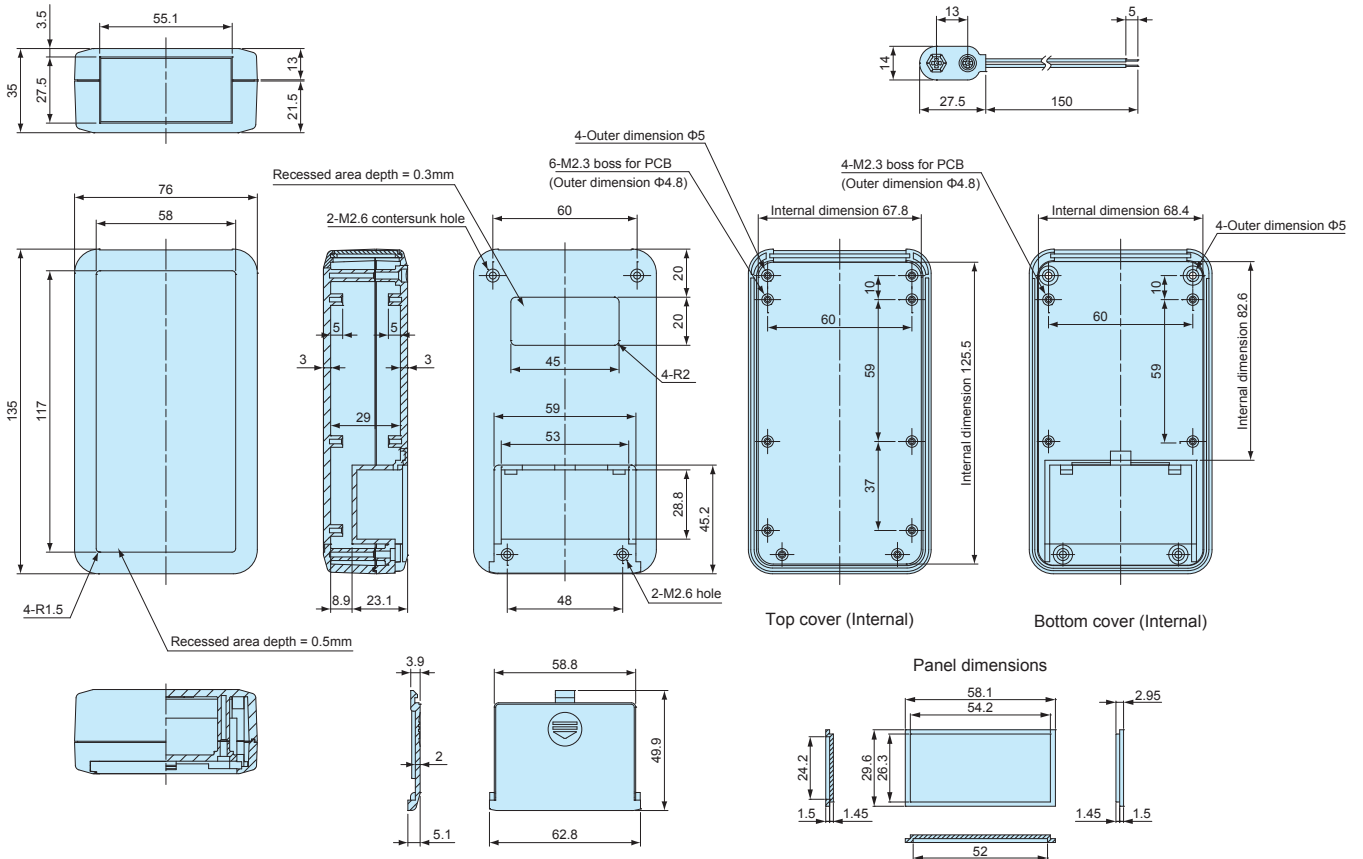
LCT • LCS • LC dimensions

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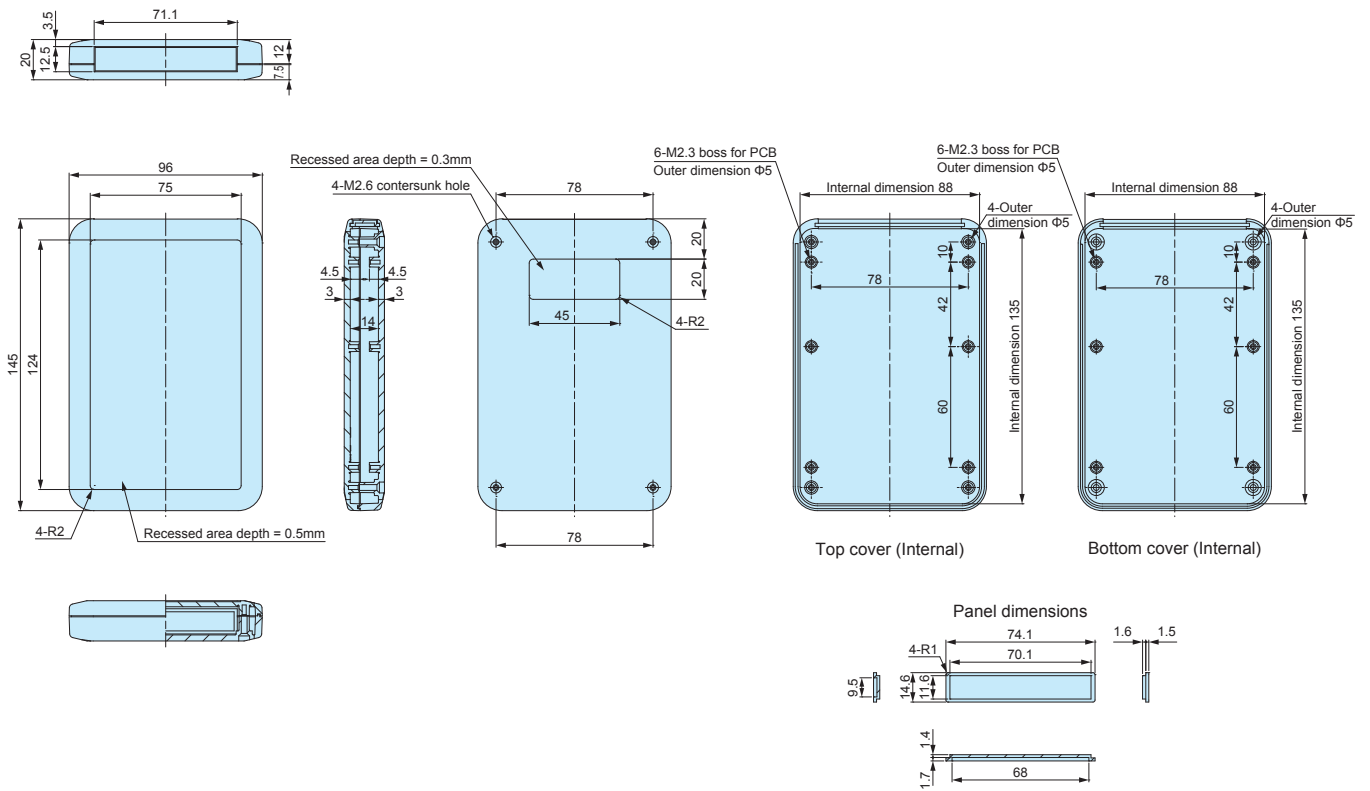
LCT135H-M3 / LCS135H-M3 / LC135H-M3



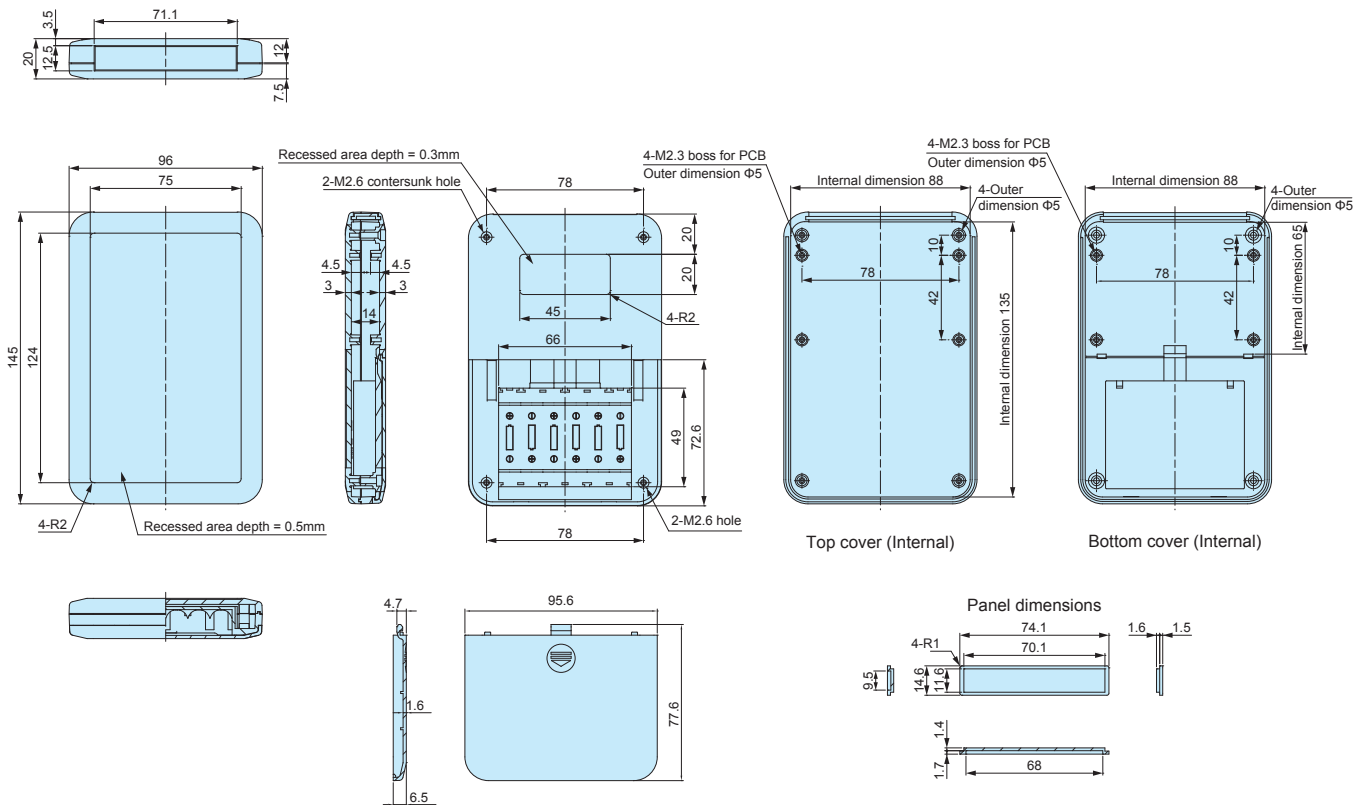
LCT135H-9V / LCS135H-9V / LC135H-9V



LCT145S-N / LCS145S-N / LC145S-N



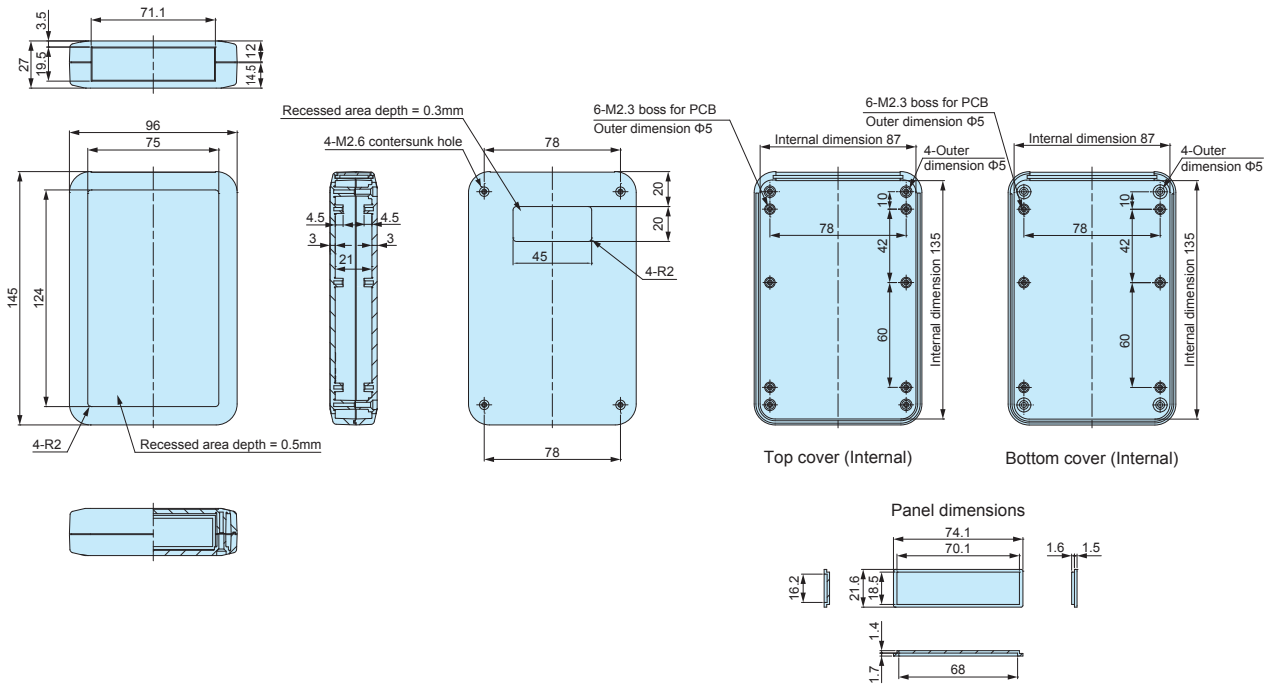
LCT145S-F6 / LCS145S-F6 / LC145S-F6



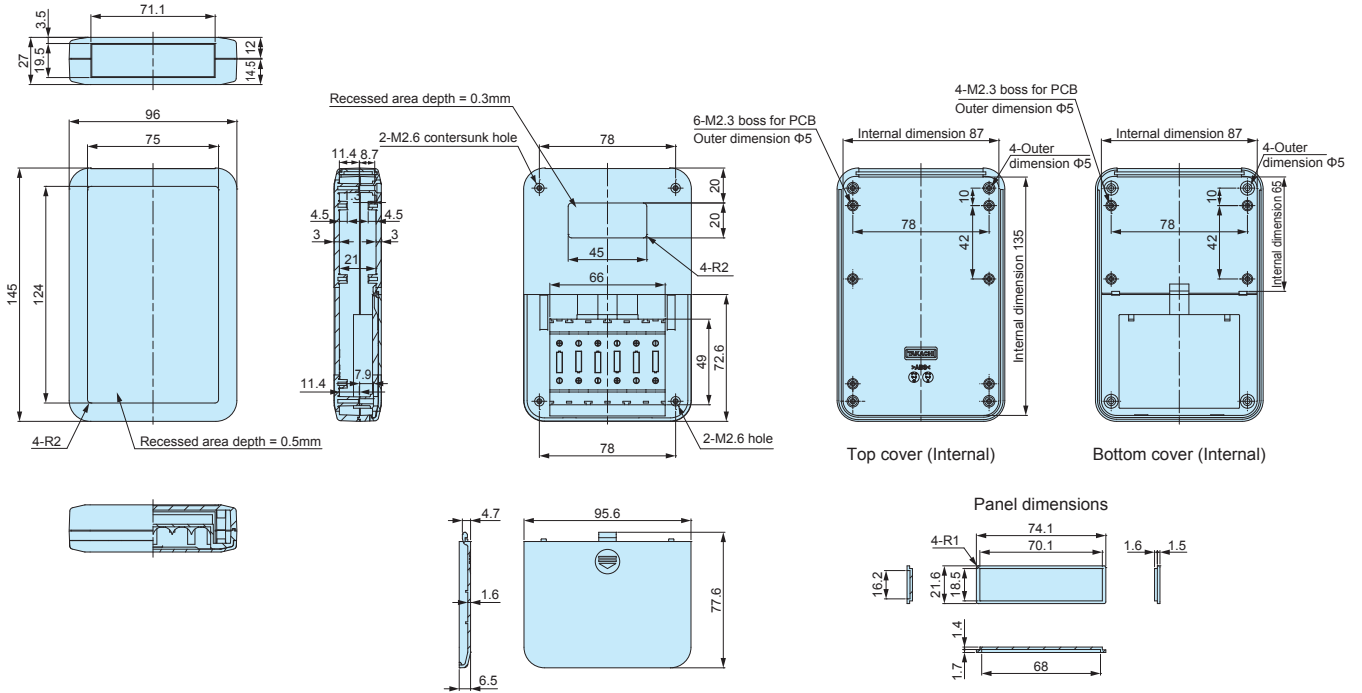
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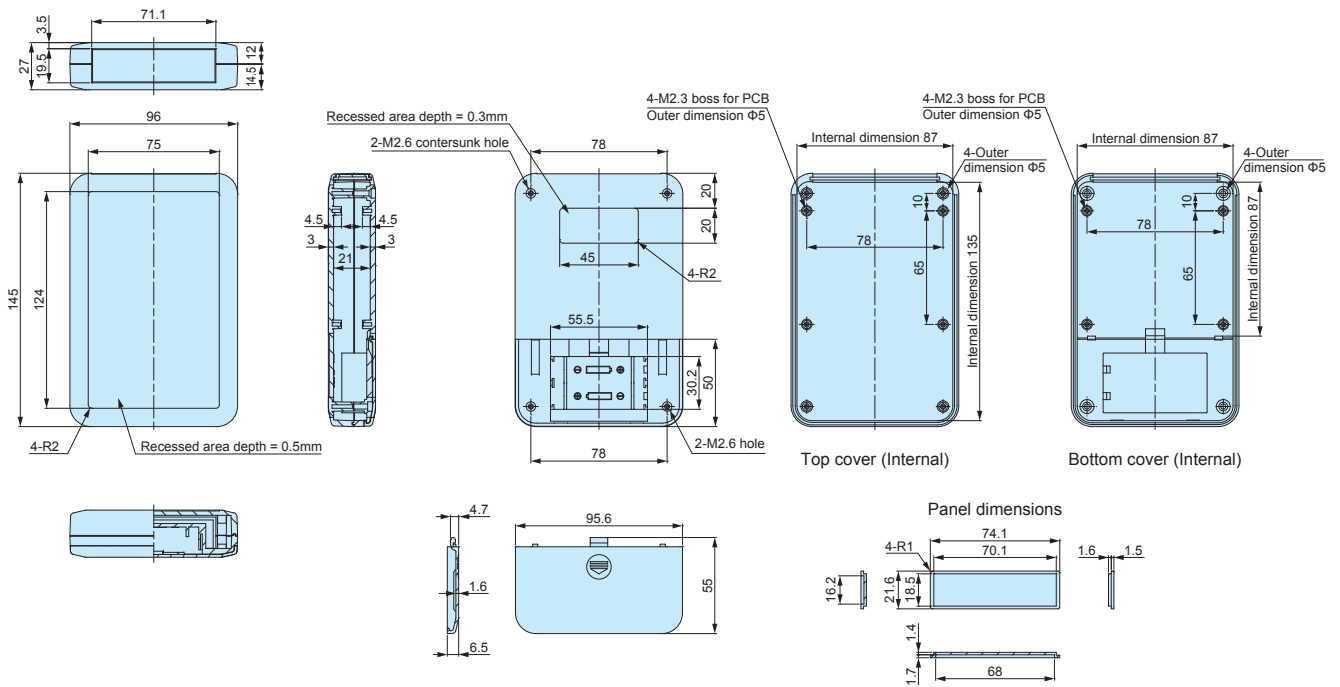
LCT145-N / LCS145-N / LC145-N



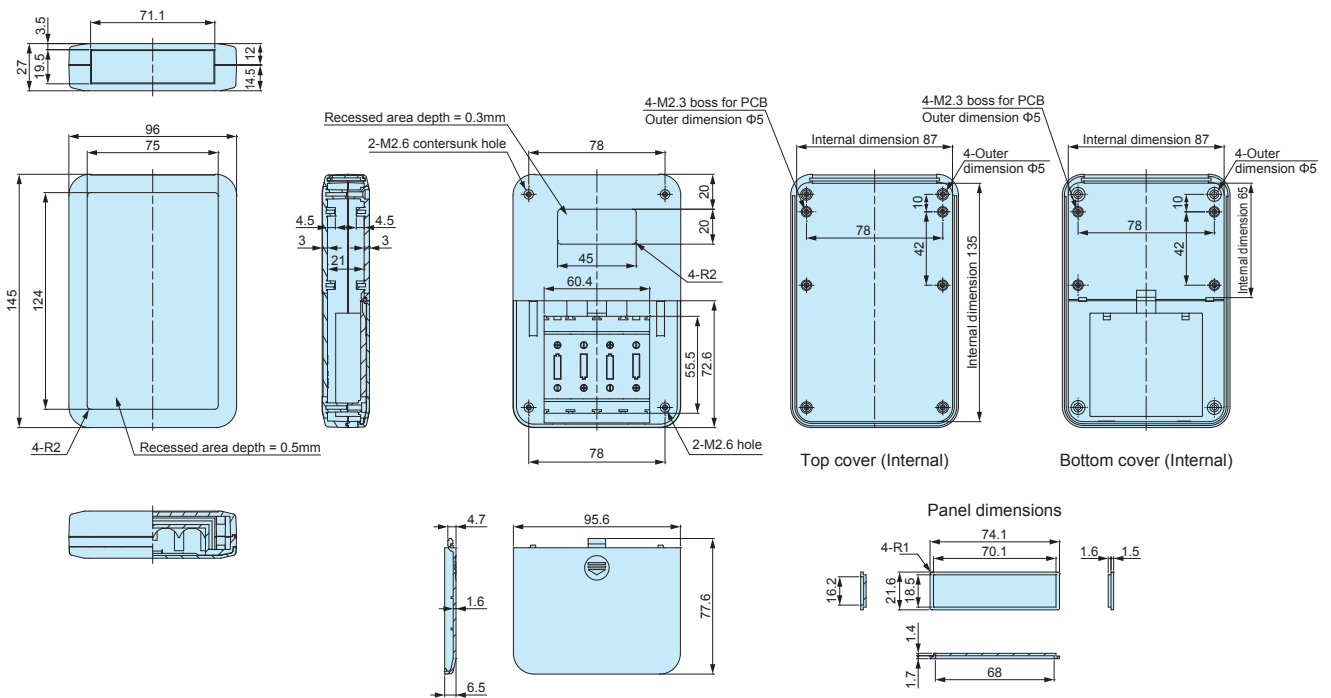
LCT145-F6 / LCS145-F6 / LC145-F6



LCT145-M2 / LCS145-M2 / LC145-M2



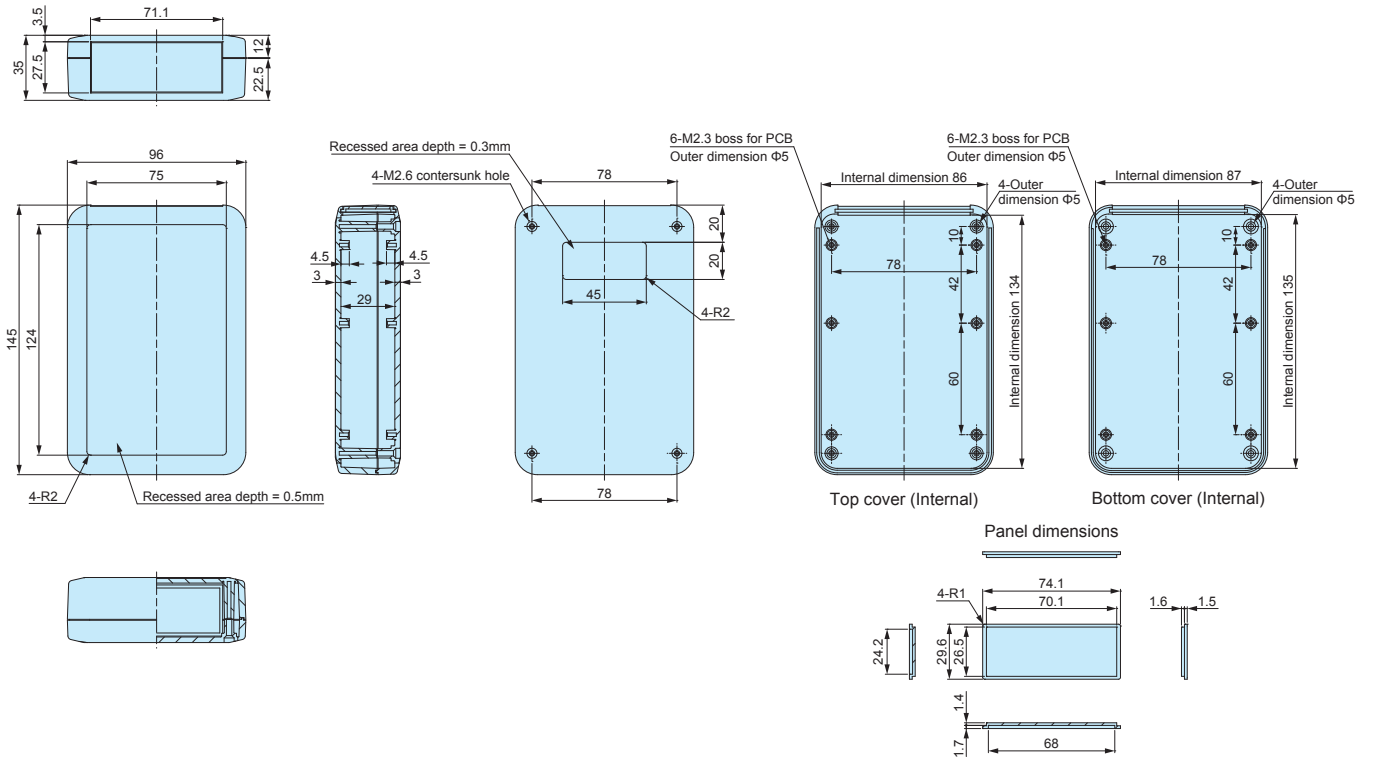
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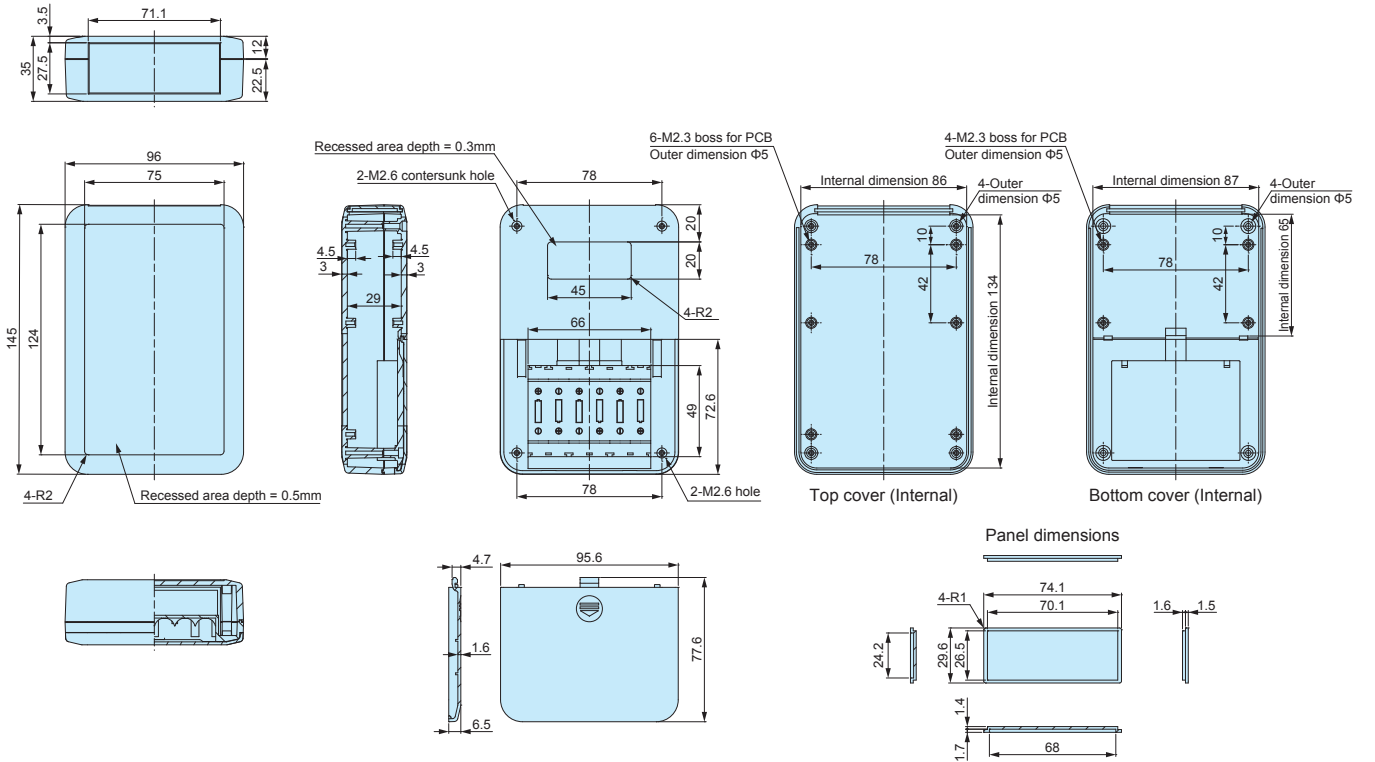
LCT • LCS • LC dimensions

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

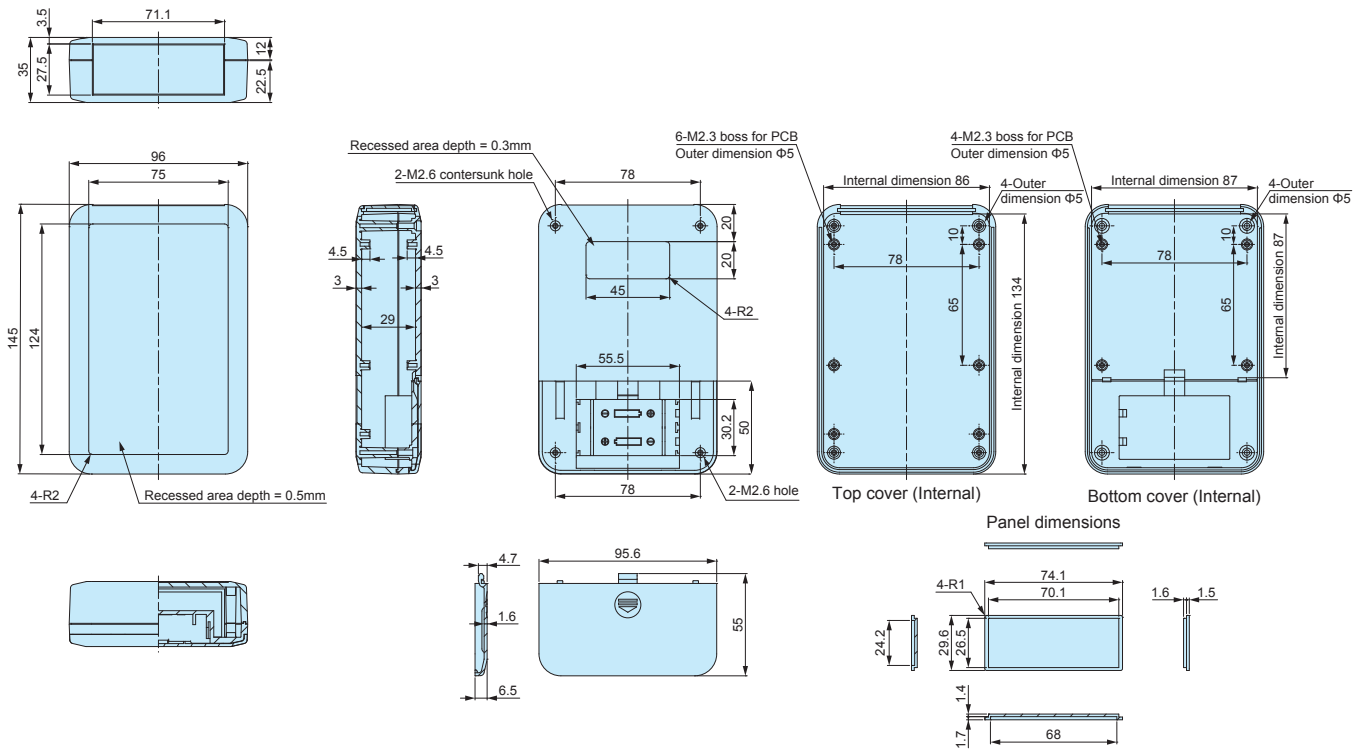
LCT145H-N / LCS145H-N / LC145H-N



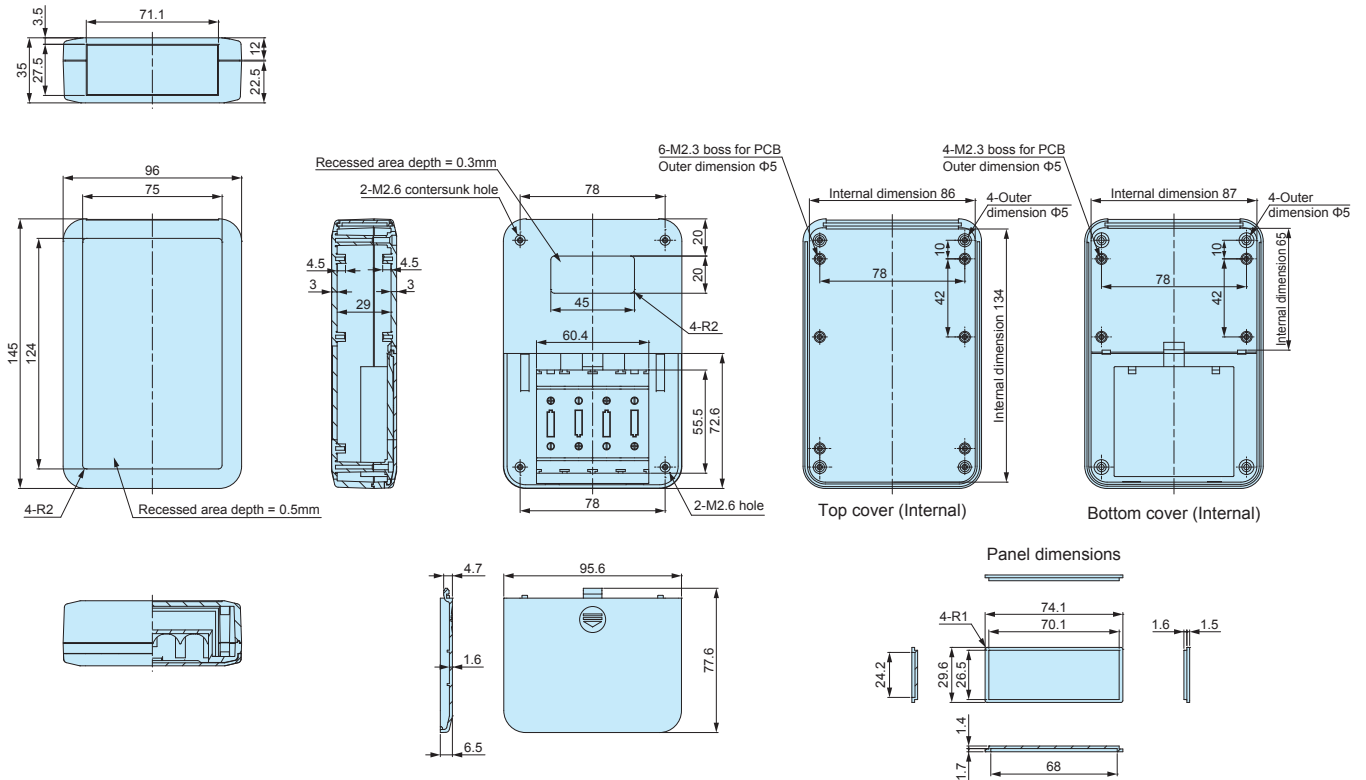
LCT145H-F6 / LCS145H-F6 / LC145H-F6



LCT145H-M2 / LCS145H-M2 / LC145H-M2



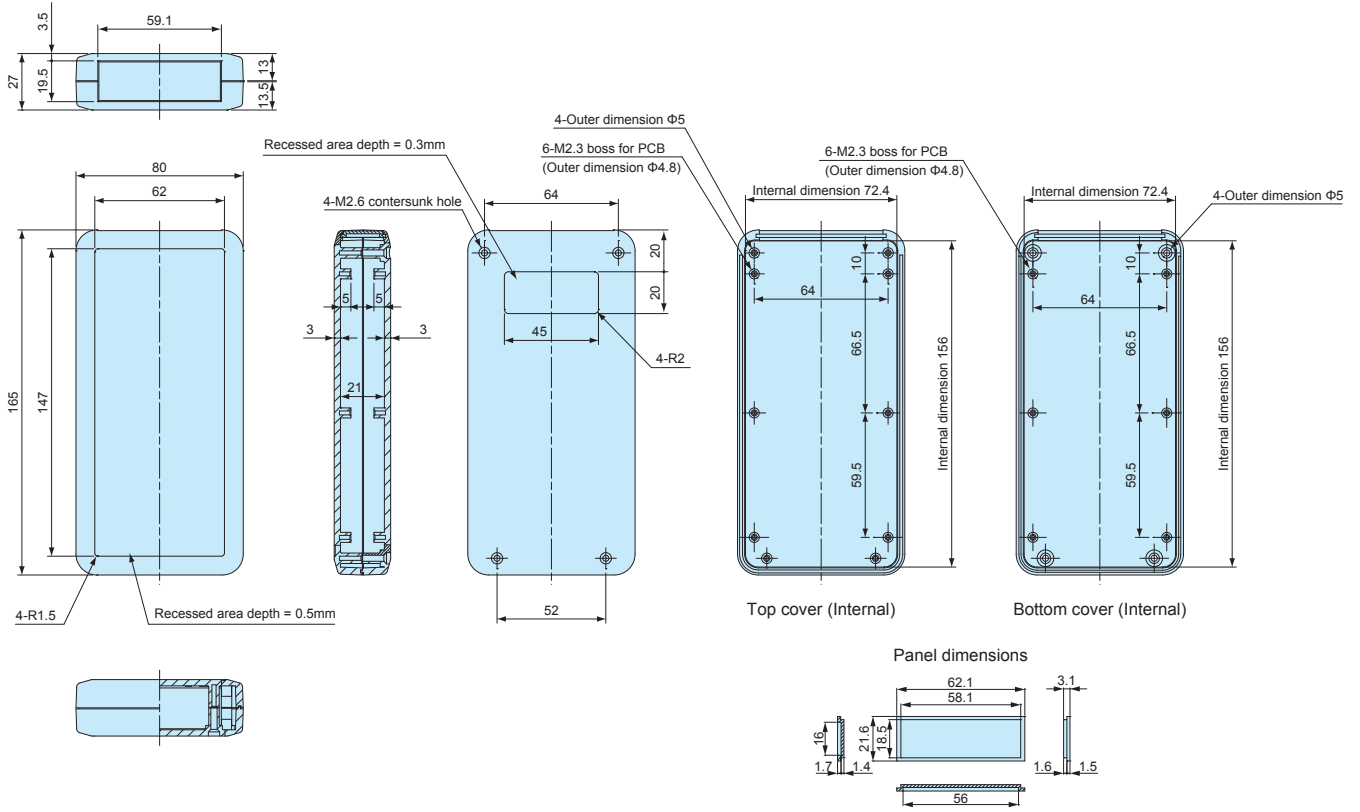
LCT145H-M4 / LCS145H-M4 / LC145H-M4



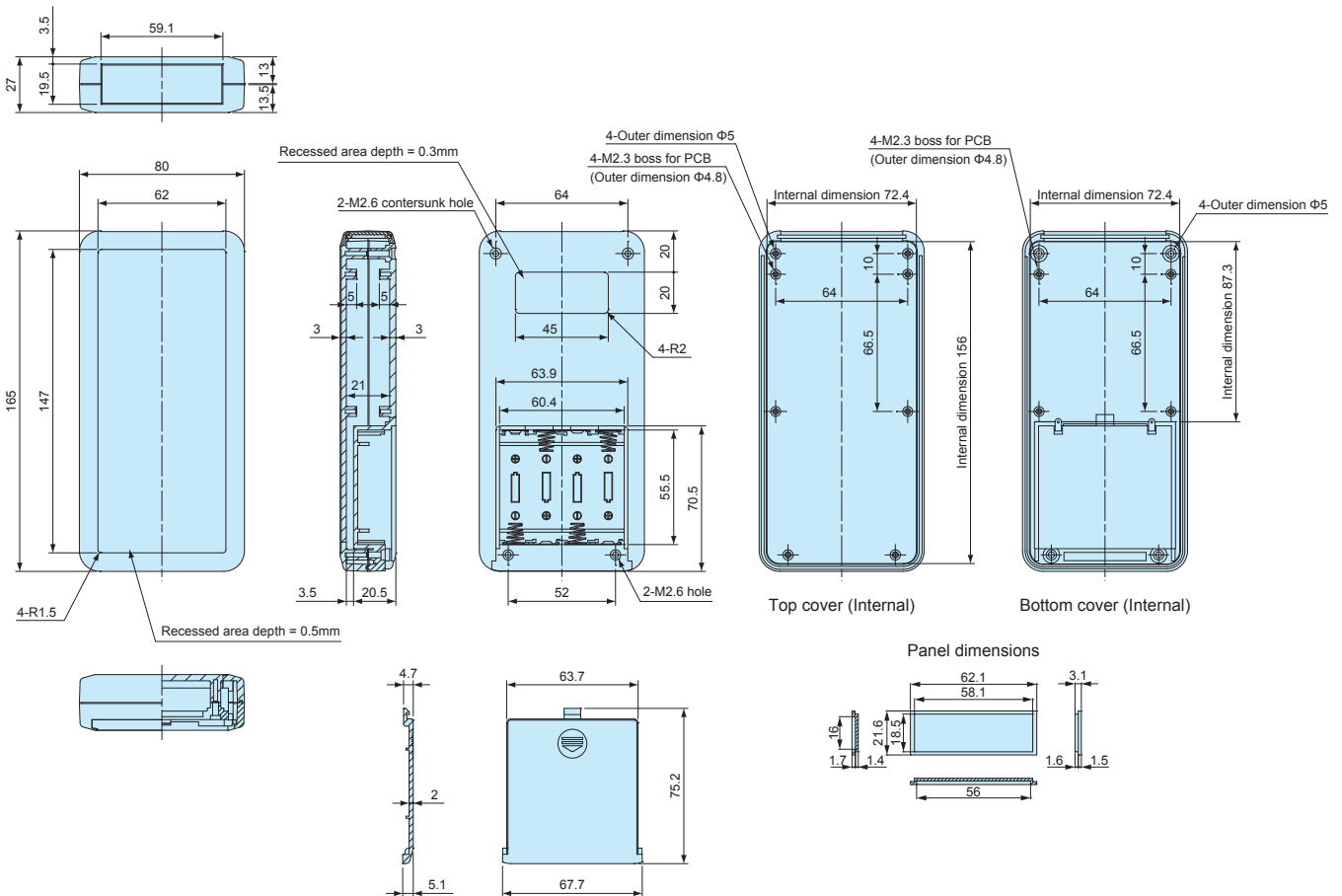
LCT • LCS • LC dimensions

DXF/DWG/PDF drawings available on our website.

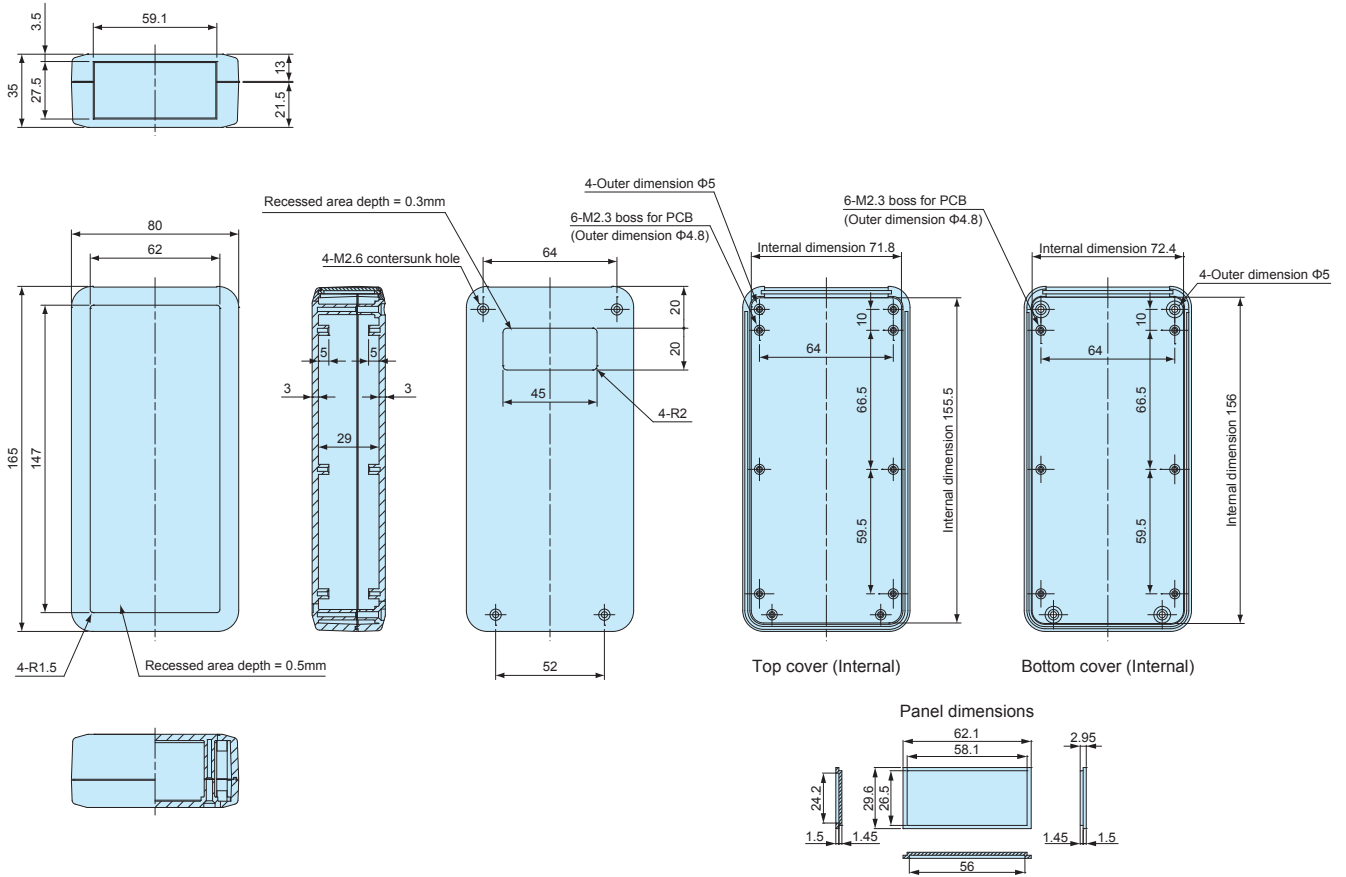
LCT165-N / LCS165-N / LC165-N



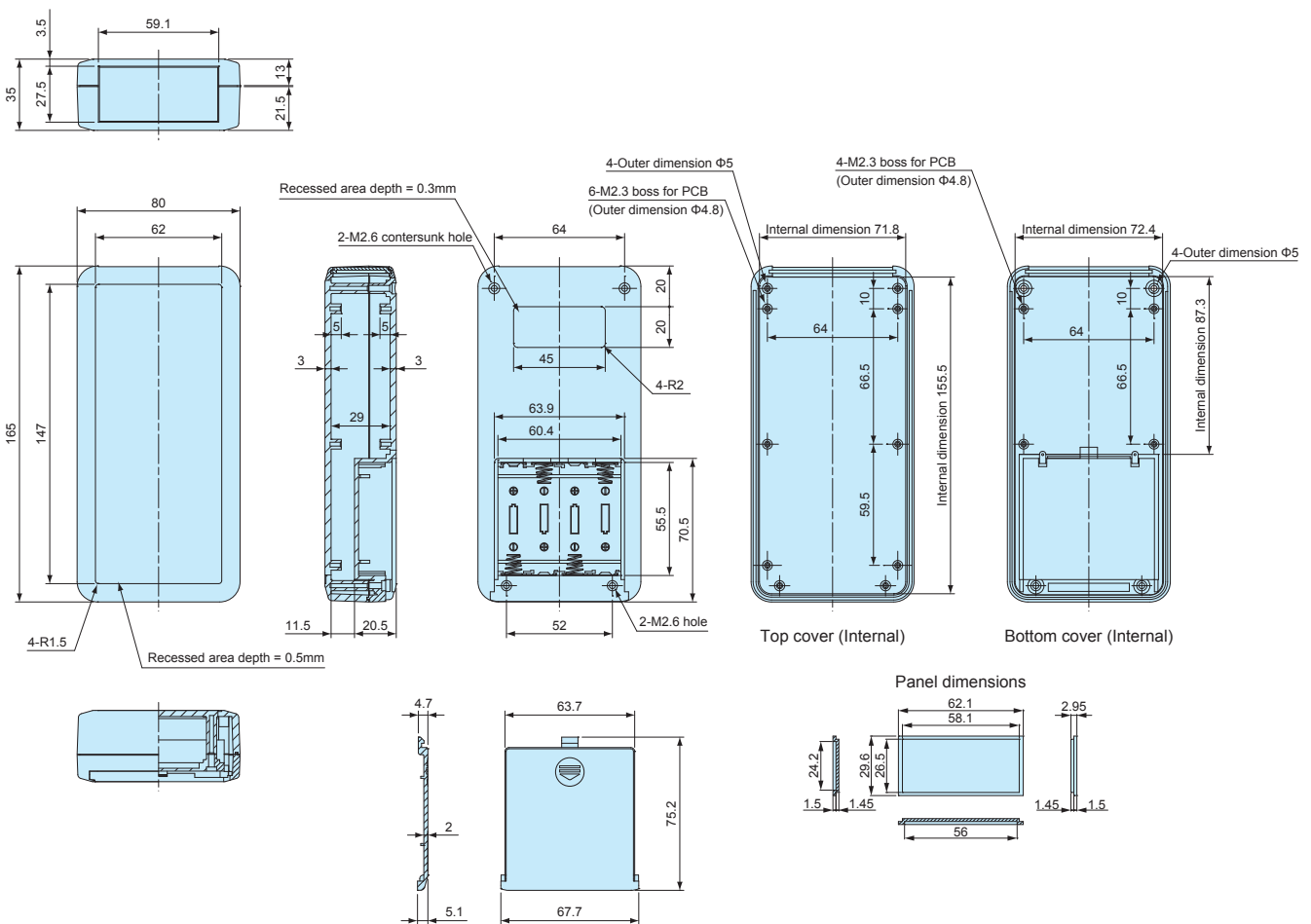
LCT165-M4 / LCS165-M4 / LC165-M4



LCT165H-N / LCS165H-N / LC165H-N



LCT165H-M4 / LCS165H-M4 / LC165H-M4





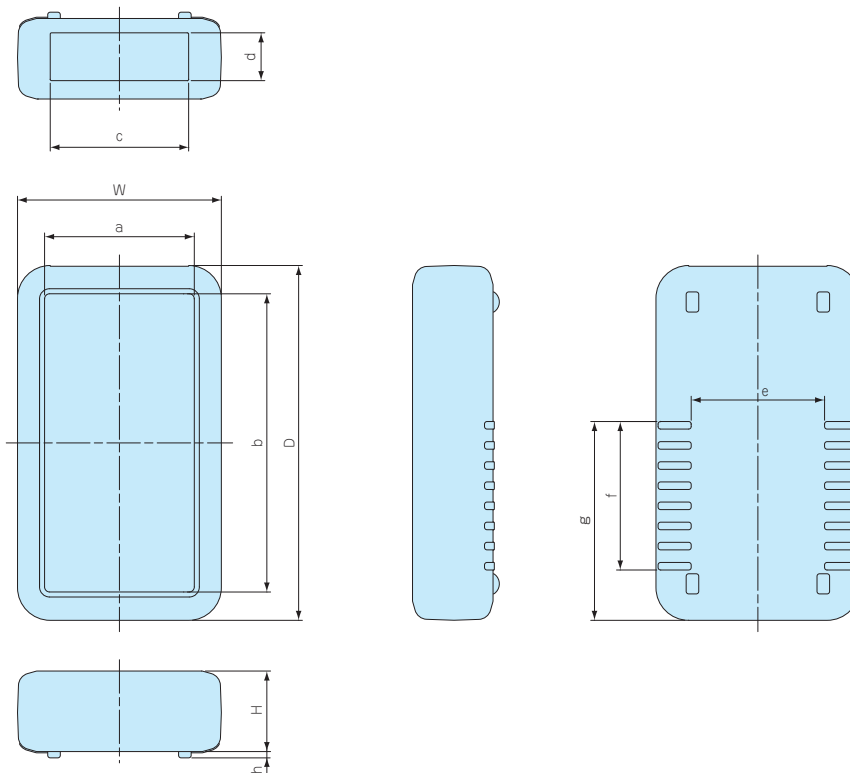
LCSC SERIES SILICONE COVER

Color Type



- Silicone cover for LC Series. New sizes now available!
- Custom color is available from 500pcs per order batch. For custom color order, please specify **PANTONE®**, RGB color number or provide your sample color.

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



Components

Part name	Material	Color
Silicone cover	Silicone	Red • Yellow • Green • Blue • Navy • Dark gray • Light gray

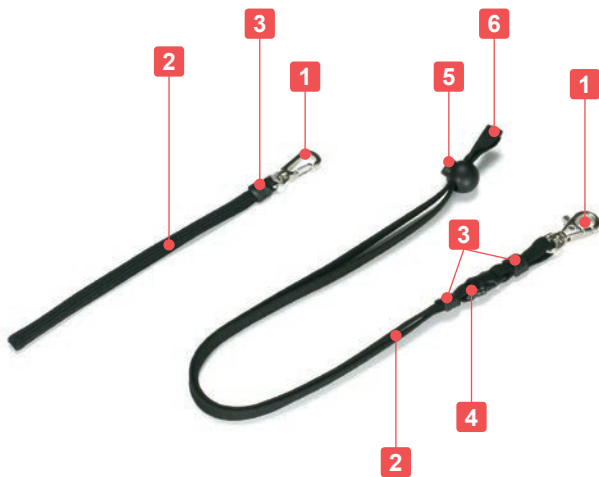
Product no. / Dimensions

■ Please suffix color code at the end of the product number.

Product no.	W	H	D	a	b	c	d	e	f	g	h	Suitable case	Weight (g)
LCSC115 -□	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2	LC115	43
LCSC115H-□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2	LC115H	50
LCSC135 -□	81	32	141	59.5	118.5	55	19	53	59	79	2.5	LC135	70
LCSC135H-□	81	40	141	59.5	118.5	55	27	53	59	79	2.5	LC135H	75.5
NEW LCSC145S-□	101	25	151	76.5	125.5	71	12	71	59	81	2.5	LC145S	73.4
NEW LCSC145 -□	101	32	151	76.5	125.5	71	19	71	59	81	2.5	LC145	81
NEW LCSC145H-□	101	40	151	76.5	125.5	71	27	71	59	81	2.5	LC145H	89
LCSC165 -□	85	32	171	63.5	148.5	59	19	53	67	92	2.5	LC165	82.5
LCSC165H-□	85	40	171	63.5	148.5	59	27	53	67	92	2.5	LC165H	86

STP SERIES

STRAP



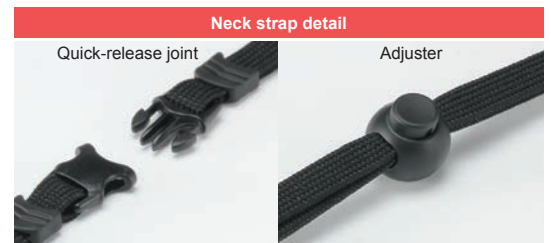
Wrist strap (STP-200)



Neck strap (STP-450)



- Strap with a metal hook
- Recommended to be used with CR key ring.



■ Only the neck strap has a joint and an adjuster.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Metal hook	1	Diecast zinc & steel	Nickel plated
2	Strap	1	Nylon / Polyester	Black
3	Cap	1 / 2	Polyurethane / Elastomer	Black
4	Joint (Neck strap only)	1	Polyacetal	Black
5	Adjuster (Neck strap only)	1	Nylon	Black
6	Clamp (Neck strap only)	1	PE	Black

Product no. / Dimensions

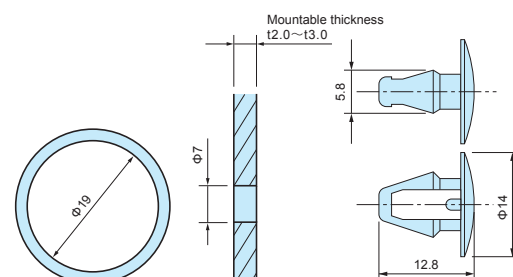
Product no.	Strap width	Strap length	Strap material	Cap material
STP-200	8	200	Nylon	Polyurethane x 1
STP-450	10	450	Polyester	Elastomer x 2

CR-20

KEY RING



- Hole milling is required for case installation.



Components

Part name	Material	Color / Finish
Ring	SWRM 6 Steel	Nickel plated
Insert clip	Nylon	Black

Product no. / Dimensions

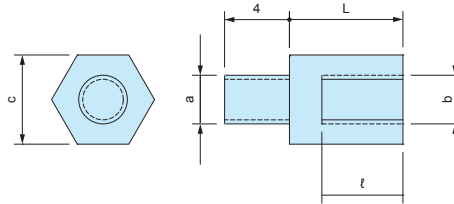
Product no.	Ring Φ	Installation hole	Mounting thickness
CR-20	Φ 19	Φ 7	t2.0 ~ t3.0

TPS SERIES

TAPPING STANDOFF



- Tapping screw head allows for easy installation onto existing enclosure boss mount.
- 4 different sizes available: M2, M2.3, M2.6 and M3 size.



Product no. / Dimensions

■ Material / Finish: Brass / Unfinished

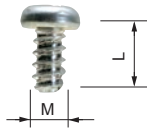
Product no.	Screw size (a)	Screw size (b)	c	L	Ø	Pack of	Recommended enclosure models
TPS-M2.3-4	M2.3	M2.3	5	4	3	4	WH series • WP series (M2.3 only)
TPS-M2.3-5	M2.3	M2.3	5	5	3	4	LC • LCS • LCT series
TPS-M2.3-6	M2.3	M2.3	5	6	4	4	PF10-2-7 / 10-2-10 / 10-2-15 / 10-4-7 / 10-4-10 / 10-4-15
TPS-M2.3-7	M2.3	M2.3	5	7	5	4	10-6-15 / 13-3-9 / 13-3-13 / 13-3-19 / 13-4-9 / 13-4-13
TPS-M2.3-8	M2.3	M2.3	5	8	6	4	13-4-19 / 13-6-19 / 15-3-10 / 15-5-10 / 15-3-15
TPS-M2.3-10	M2.3	M2.3	5	10	6	4	15-5-15 / 18-4-12 / 18-4-18 / 18-5-12 / 18-5-18
TPS-M2.3-12	M2.3	M2.3	5	12	6	4	20-4-13 / 20-6-13 / 20-4-20 / 20-6-20
TPS-M2.6-4	M2.6	M2.6	5	4	3	4	TW • TWN • TWF5-3-9 / 7-2-11 / 7-4-11 / 7-5-11
TPS-M2.6-5	M2.6	M2.6	5	5	3	4	TW5-3-10 • TW • TWN • TWF8-2-8 / 8-4-8
TPS-M2.6-7	M2.6	M2.6	5	7	5	4	
TPS-M2.6-10	M2.6	M2.6	5	10	6	4	PF24-4-17 / 24-4-24 / 24-6-17 / 24-6-24
TPS-M2.6-12	M2.6	M2.6	5	12	6	4	
TPS-M3-4	M3	M3	5.5	4	3	4	
TPS-M3-5	M3	M3	5.5	5	3	4	
TPS-M3-6	M3	M3	5.5	6	4	4	TW • TWN • TWF7-3-13 / 7-5-13 / 9-4-17 / 9-6-17 / 11-5-22
TPS-M3-7	M3	M3	5.5	7	5	4	11-8-22 / 13-3-13 / 13-5-13 / 13-3-18 / 13-5-18 / 13-7-18
TPS-M3-8	M3	M3	5.5	8	5	4	SU series • OP series • PW series
TPS-M3-10	M3	M3	5.5	10	6	4	
TPS-M3-12	M3	M3	5.5	12	6	4	



- Please use a suitably sized driver to both secure and loosen the tapping standoff.

EM SERIES

PCB MOUNTING SCREW



- Self-tapping screws for mounting PCB on bosses or standoffs.
- EM-3-6 self-tapping screws are suitable for mounting 1.6mm or thicker PCB.

Product no. / Dimensions

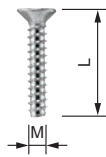
Product no.	M	L	Material	Finish	Suitable enclosures	Pack of
EM-1.6	1.6	4	Steel	Trivalent chromate	CSS • CS • PS • WC	50
EM-2	2	5	Steel	Trivalent chromate	TW • TWN • TWF • WP (M2 size)	50
EM-2.3	2.3	6	Steel	Trivalent chromate	LCT • LCS • LC • WH PF • PFF (M2.3 size) TW • TWN • TWF (M2.3 size) WP (M2.3 size)	50
NEW EM-2.6	2.6	6	Steel	Trivalent chromate	PF • PFF (M2.6 size)	50
EM-3	3	5	Steel	Trivalent chromate	TW • TWN • TWF (M3 size) • SU	50
EM-3-6	3	6	Steel	Trivalent chromate		50

MR SERIES

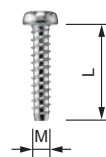
TORX SCREW



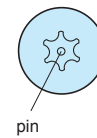
Countersunk head



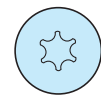
Pan head



With pin



★ Without pin



★ : MR2.6-10□, MR3-14□, and MR1.6-6S are without pin.

Product no. / Dimensions

★Mark = Without pin

Product no.	M	L	head no.	Head style	Material	Finish	Suitable enclosures	Pack of
MR1.6-6S★	1.6	6	T3	Pan	Steel	Nickel plated	CS • CSS	20
MR2.5-8PS	2.5	8	T8	Pan	Steel	Nickel plated	PF • PFF (M2.5 size)	20
MR2.6-10S★	2.6	10	T8	Countersunk	Steel	Nickel plated	TW5-2-5 / 5-3-5	20
MR2.6-10B★	2.6	10	T8	Countersunk	Steel	Black trivalent chromate	TW • TWN4-2-5 / 4-2-6 / 4-2-8 / 5-2-7 TW • TWN5-3-7 / 5-4-7 / 8-2-8 / 8-4-8 TWF5-2-7 / 5-3-7 / 5-4-7	20
MR2.6-12PS	2.6	12	T8	Pan	Steel	Nickel plated	LCT • LCS • LC115-F2 / F3 LCT • LCS • LC145S-F6	20
MR2.6-14PS	2.6	14	T8	Pan	Steel	Nickel plated	LCT • LCS • LC115H-F2 / F3 / M2 / 9V LCT • LCS • LC135-F4 / M2 / M3 / 9V LCT • LCS • LC135H-F4 / M2 / M3 / 9V LCT • LCS • LC145-F6 / M2 / M4 LCT • LCS • LC145H-F6 / M2 / M4 LCT • LCS • LC165-M4 LCT • LCS • LC165H-M4	20
MR2.6-14S	2.6	14	T8	Countersunk	Steel	Nickel plated	LCT • LCS • LC115-F2 / F3 LCT • LCS • LC145S-F6 TW • TWN7-2-11 / 7-4-11 / 7-5-11	20
MR2.6-18S	2.6	18	T8	Countersunk	Steel	Nickel plated	LCT • LCS • LC115H-N / F2 / F3 / M2 / 9V LCT • LCS • LC135-N / F4 / M2 / M3 / 9V LCT • LCS • LC135H-N / F4 / M2 / M3 / 9V LCT • LCS • LC145-N / F6 / M2 / M4 LCT • LCS • LC145H-N / F6 / M2 / M4 LCT • LCS • LC165-N / M4 LCT • LCS • LC165H-N / M4	20
MR3-8PS	3	8	T10	Pan	Steel	Nickel plated	PF • PFF (M3 size)	20
MR3-14S★	3	14	T10	Countersunk	Steel	Nickel plated	TW5-3-10	20
MR3-14B★	3	14	T10	Countersunk	Steel	Black trivalent chromate	TW • TWN5-3-9 / 7-3-13 / 7-5-13 / 9-4-17 / 9-6-17 TWF7-3-13 / 7-5-13 / 9-4-17 / 9-6-17	20
MR-1S	3	5	T10	Countersunk	Steel	Nickel plated	UC	20
MR-1B	3	5	T10	Countersunk	Steel	Black trivalent chromate	UC • UCY • US	20
MR-2S	3	10	T10	Countersunk	Steel	Nickel plated	HEN	20

DIGITAL PRINTED OVERLAY



3 reasons for low initial costs

Reason 1



Cutting process



Avoiding the cost for cutting die manufacturing via our in-house cutting plotter.

Reason 2

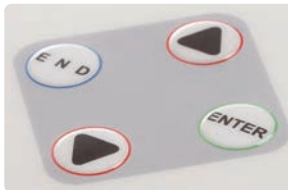


Printing process



Saving the cost for print plates via utilization of our in-house digital inkjet printer.

Reason 3



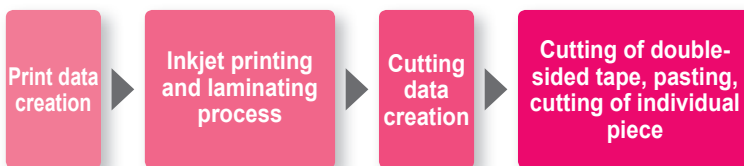
Embossing process



Reducing the cost for the embossing die via our new die manufacturing process.

Comparison of current and previous manufacturing methods

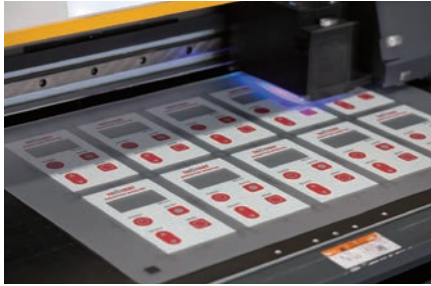
Current



Previous



PRODUCTION PROCESS



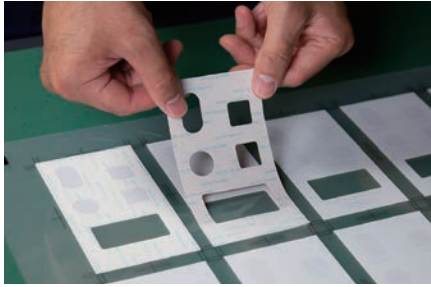
1. Inkjet printing on film



2. Laminating



3. Cutting double-sided tape



4. Sticking double-sided tape on printed film



5. Cutting the sheet to size



6. Embossing



7. Machining on enclosure



8. Sticking overlay sheet onto enclosure



9. Complete

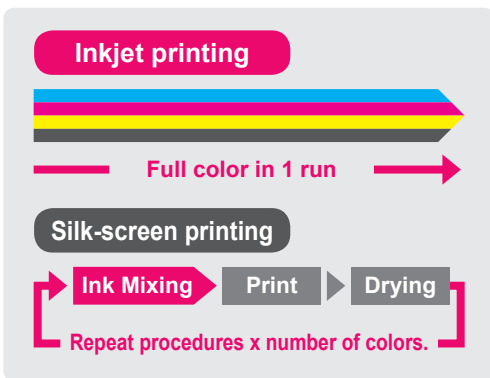
CUSTOMIZATION EXAMPLE



INKJET PRINTING



Full color digitally designed image can be printed in 1 run.
No cost difference regardless of the number of colors used.



Low printing cost
Full color print possible in small quantities

Inkjet printing 1 run only for full color print

Printing cost
Full color

Silk-screen printing Printing cost x number of colors

Printing cost Color 1	Printing cost Color 2	Printing cost Color 3	Printing cost Color 4
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High quality printing of photo image and color gradation.

Print photo images in maximum 1,800 x 1,800 dpi quality.

Pictures, logos and unique designs with color gradation can be recreated in a high quality print.



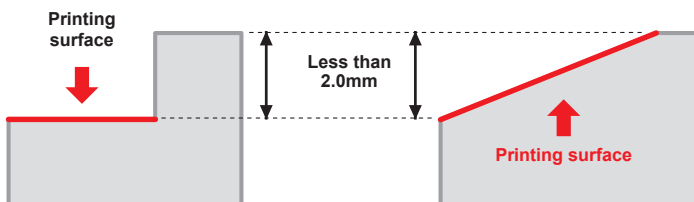
Maximum printable enclosure size



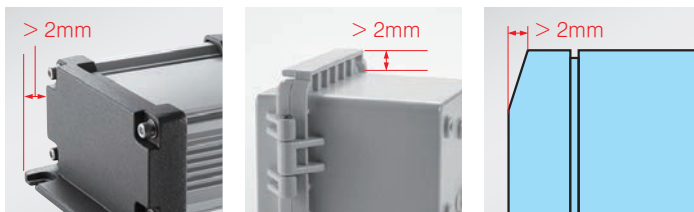
Printable on surfaces with height differential

Printing is possible on recessed, sloped and rounded sections.

Gap difference is less than 2.0mm.



*Not suitable if height difference is more than 2.0mm.



Printed example



CNC MACHINING

CNC milling is a form of computer controlled machining. Similar in operation to drilling and cutting, it is able to create various hole styles and shapes by using a rotating cutting tool to bore into the object.



- Mainly used for plastic, aluminium die-cast, and aluminium extrusion material types.
- Able to perform milling for various shapes and sizes.
- Recommended for small quantity customization.

