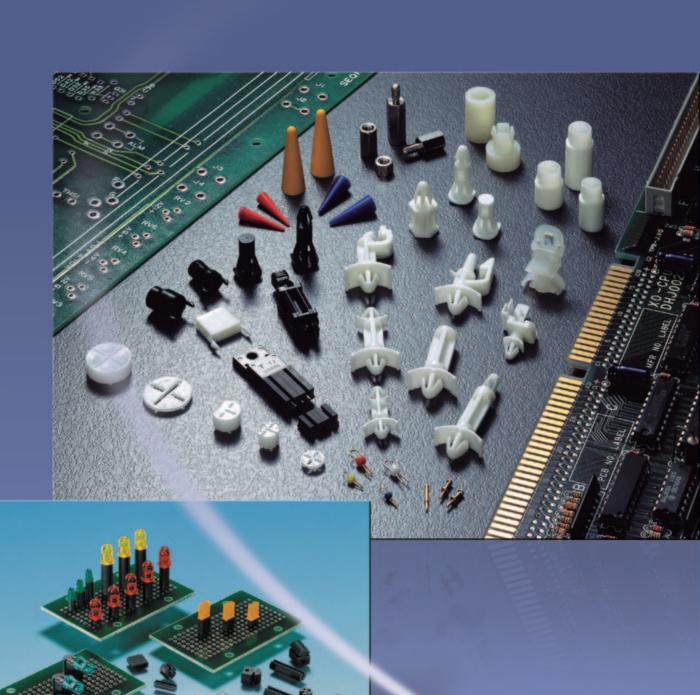
WIRING ACCESSORY





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SPLSN series





4.5 8.6 8.6 8.6 1.2.6 1.3.2 2.6 1.3.2 1.3.

(*) SPLSN-3 has a different shape at mid-section.

Feature

- Maintain an uniform distance between chassis and P.C.B.
- Easy handling and installation of P.C.B.
- Easy to remove P.C.B.

Material

Nylon 66

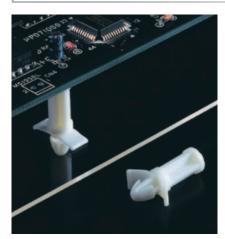
Standard color

UL94V-2: Natural UL94V-0: White

Dowl	. No		Dimensions (mm)							
Pan	: No.	Α	В	Mounti	ng hole	Applicable bo	ard thickness	Packing unit		
UL94V-2	UL94V-0	А	Ь	P.C.B.	Chassis	P.C.B.	Chassis	(pieces)		
SPLSN- 3	SPLSN- 3U	4.9	7.1							
SPLSN- 4	SPLSN- 4U	6.2	8.4							
SPLSN- 6	SPLSN- 6U	9.4	11.6							
SPLSN- 7	SPLSN- 7U	11.0	13.2							
SPLSN- 8	SPLSN- 8U	12.5	14.7							
SPLSN-10	SPLSN-10U	15.7	17.9	φ 4.0	φ 4.8	000.16	~ 1.6 0.5 ~ 2.0	500		
SPLSN-12	SPLSN-12U	18.9	21.1	ψ 4.0	ψ 4.0	0.6 1.0	0.5 - 2.0	300		
SPLSN-14	SPLSN-14U	22.0	24.2							
SPLSN-16	SPLSN-16U	25.1	27.3							
SPLSN-18	SPLSN-18U	28.3	30.5							
SPLSN-20	SPLSN-20U	31.5	33.7							
SPLSN-22	SPLSN-22U	34.6	36.8							

Circuit board spacer SPSN series





(14.2)

SPSN-3 has a different shape at mid-section.

Feature

Prevent P.C.B. from the deflection caMounted by the weight of the mounted parts.

Material

Nylon 66

Standard color

UL94V-2: Natural UL94V-0: White

Port	: No.		Dimensions (mm)					
Pari	. INO.	۸	В	Mounting hole	Applicable board thickness	unit		
UL94V-2	UL94V-0	Α	Б	Chassis	Chassis	(pieces)		
SPSN- 3	SPSN- 3U	4.9	7.1					
SPSN- 4	SPSN- 4U	6.2	8.4					
SPSN- 6	SPSN- 6U	9.4	11.6					
SPSN- 7	SPSN- 7U	11.0	13.2					
SPSN- 8	SPSN- 8U	12.5	14.7					
SPSN-10	SPSN-10U	15.7	17.9	4 4 0	0.5 ~ 2.0	F00		
SPSN-12	SPSN-12U	18.9	21.1	φ 4.8	0.5 ~ 2.0	500		
SPSN-14	SPSN-14U	22.0	24.2					
SPSN-16	SPSN-16U	25.1	27.3					
SPSN-18	SPSN-18U	28.3	30.5					
SPSN-20	SPSN-20U	31.5	33.7					
SPSN-22	SPSN-22U	34.6	36.8					

3.8

Circuit board spacer

SPD series





φ6.0 A B B 4.0 (14.2) 5.6

※ SPD-3, and SPD-4 have a different shape at mid-section.

Feature

For ϕ 4.0 mounting hole.

Material

Nylon 66

Standard color

UL94V-2: Natural UL94V-0: White

Dort	No.			Dimens	ions (mm	1)		Packing		
Pari	. INO.	Α	В	Mounti	ng hole	Applicable board thickness		unit		
UL94V-2	UL94V-0	A	Б	P.C.B.	Chassis	P.C.B.	Chassis	(pieces)		
SPD- 3	SPD- 3U	4.6	8.9							
SPD- 4	SPD- 4U	5.9	10.2							
SPD- 6	SPD- 6U	9.1	13.4							
SPD- 7	SPD- 7U	10.7	15.0				0.8 ~ 1.6	0.5	500	
SPD- 8	SPD- 8U	12.2	16.5	φ 4.0	φ 4.0	0.6~1.6	0.5 ~ 2.0	500		
SPD-10	SPD-10U	15.4	19.7							
SPD-12	SPD-12U	18.6	22.9							
SPD-14	SPD-14U	21.7	26.0							

Circuit board spacer SPM series







Feature

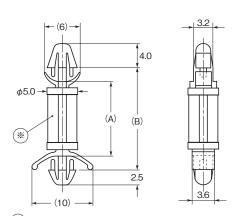
- For ϕ 3.5 mounting hole.
- Stick out 2.5mm on the other side of chassis.

Material

Nylon 66

Standard color

UL94V-2: Natural UL94V-0: White



SPM-3 has a different shape at mid-section.

ı	Port	No.		Dimensions (mm)						
	Fait	INO.	۸	В	Mounti	ng hole	Applicable bo	ard thickness	unit	
1	UL94V-2	UL94V-0	Α	В	P.C.B.	Chassis	P.C.B.	Chassis	(pieces)	
	SPM- 3	SPM- 3U	4.4	8.9						
	SPM- 4	SPM- 4U	6.0	10.5						
	SPM- 5	SPM- 5U	7.6	12.1						
	SPM- 6	SPM- 6U	9.2	13.7				0.8 ~ 1.6		
	SPM- 7	SPM- 7U	10.8	15.3	φ 3.5	φ 3.5	0.8 ~ 1.6		500	
	SPM- 8	SPM- 8U	12.3	16.8						
	SPM- 9	SPM- 9U	14.0	18.5						
	SPM-10	SPM-10U	15.5	20.0						
	SPM-16	SPM-16U	25.5	30.0						

RSPLS series





Feature

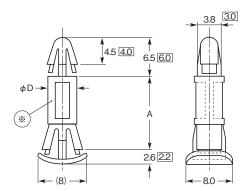
- Can be easily snapped on from the other side of chassis.
- Stick out 2.1mm or less on the other side of chassis.

Material

Nylon 66

Standard color

UL94V-2: Natural UL94V-0: White





- is the dimensions of M-type.
- RSPLS-5 and RSPLS-6 have a different shape at mid-section.

Port	No.			Packing						
ran	INU.	Α	4 D	Mounti	ng hole	Applicable board thickness		unit		
UL94V-2	UL94V-0	A	φD	P.C.B.	Chassis	P.C.B.	Chassis	(pieces)		
RSPLS- 5	RSPLS- 5U	5.0								
RSPLS- 6	RSPLS- 6U	6.0								
RSPLS- 8	RSPLS- 8U	8.0			φ 4.0 φ 5.5					
RSPLS- 10	RSPLS- 10U	10.0	5.0	4.40						
RSPLS- 12	RSPLS- 12U	12.0	5.0	5.0	5.0	5.0	φ 4.0		0.5 ~ 1.0	500
RSPLS- 14	RSPLS- 14U	14.0			1.6	0.5 ~ 1.0	300			
RSPLS- 16	RSPLS- 16U	16.0								
RSPLS- 18	RSPLS- 18U	18.0								
RSPLS-4M	RSPLS-4MU	6.2	4.6	φ 3.2	φ 4.8					
RSPLS-8M	RSPLS-8MU	12.8	4.0	ψ 3.2	ψ 4.0					

Circuit board spacer

RSPS series





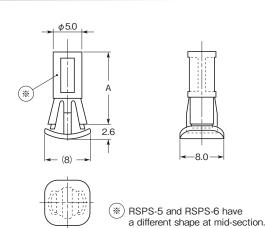
Feature

- Prevent P.C.B. from the deflection caused by the weight of the mounted parts.
- Can be easily snapped on from the other side of chassis.
- Stick out 2.1mm or less on the other side of chassis.

Material

Nylon 66

Standard color UL94V-2: Natural UL94V-0: White



Dort	: No.		Dimensions (mm))	Packing	
UL94V-2	UL94V-0	Α	Mounting hole	Applicable board thickness	unit (pieces)	
RSPS- 5	RSPS- 5U	5.0				
RSPS- 6	RSPS- 6U	6.0				
RSPS- 8	RSPS- 8U	8.0				
RSPS-10	RSPS-10U	10.0	455	0.5 ~ 1.0	500	
RSPS-12	RSPS-12U	12.0	φ 5.5	0.5 ~ 1.0	500	
RSPS-14	RSPS-14U	14.0				
RSPS-16	RSPS-16U	16.0				
RSPS-18	RSPS-18U	18.0				

RSPLS-L series





Feature

■ These are the modification of RSPLS to be compatible with 1.2t ~ 2.0t thickness of chassis.

Material

Nylon 66

Standard color

UL94V-2: Black UL94V-0: Black

φ5.0 → (8) →	4.5 6.5 A A 3.4	3.8
		and RSPLS-6L have nape at mid-section.

Port	No.		Dim	ensions (mm)		Packing	
ran	INO.	Α	Mounti	ng hole	Applicable board thickness		unit	
UL94V-2	UL94V-0	^	P.C.B.	Chassis	P.C.B.	Chassis	(pieces)	
RSPLS- 5L	RSPLS- 5LU	5.0						
RSPLS- 6L	RSPLS- 6LU	6.0						
RSPLS- 8L	RSPLS- 8LU	8.0						
RSPLS-10L	RSPLS-10LU	10.0		0 φ 5.5 1.6				
RSPLS-12L	RSPLS-12LU	12.0	φ 4.0		1.2 ~ 2.0	500		
RSPLS-14L	RSPLS-14LU	14.0						
RSPLS-16L	RSPLS-16LU	16.0						
RSPLS-17L	RSPLS-17LU	17.0						
RSPLS-18L	RSPLS-18LU	18.0						

Circuit board spacer RSPS-L series





Feature

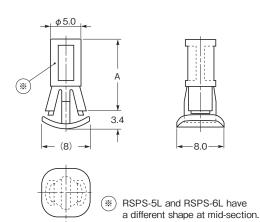
■ These are the modification of RSPS to be compatible with 1.2t ~ 2.0t thickness of chassis.

Material

Nylon 66

Standard color

UL94V-2: Black UL94V-0: Black

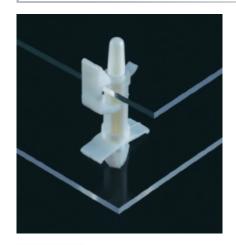


Port	No.		Dimensions (mm)	Packing	
UL94V-2	UL94V-0	Α	Mounting hole	Applicable board thickness	unit (pieces)	
RSPS- 5L	RSPS- 5LU	5.0		unoluroco	(p.0000)	
RSPS- 6L	RSPS- 6LU	6.0				
RSPS- 8L	RSPS- 8LU	8.0				
RSPS-10L	RSPS-10LU	10.0		1.2 ~ 2.0		
RSPS-12L	RSPS-12LU	12.0	φ 5.5		500	
RSPS-14L	RSPS-14LU	14.0				
RSPS-16L	RSPS-16LU	16.0				
RSPS-17L	RSPS-17LU	17.0				
RSPS-18L	RSPS-18LU	18.0				

SHCBS series



RHS



7.5 10.0 5.0 5.0 6.3 5.0 6.3 board mounting hole measurement

Feature

- Easy to unlock the P.C.B. and convenient at a time of inspection and maintenance.
- With the combined use with SRF series, it will be very convenient.

Material

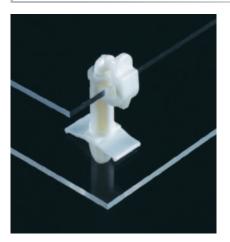
Nylon 66

Standard color UL94V-2: Natural UL94V-0: White

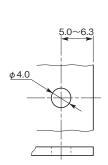
Dowl	No.			Packing				
Pan	l INO.	Α	В	Mounti	ng hole	Applicable board thickness		unit
UL94V-2	UL94V-0	A	Б	P.C.B.	Chassis	P.C.B.	Chassis	(pieces)
SHCBS- 5	SHCBS- 5U	7.9	10.3					
SHCBS- 6	SHCBS- 6U	9.5	11.9					
SHCBS- 8	SHCBS- 8U	12.6	15.0					
SHCBS-10	SHCBS-10U	15.8	18.2	φ 4.0	φ 4.8	1.6	$0.5 \sim 2.0$	500
SHCBS-12	SHCBS-12U	19.0	21.4					
SHCBS-14	SHCBS-14U	22.2	24.6					
SHCBS-16	SHCBS-16U	25.3	27.7					

"R"-free spacer

SRF series



6.4 8.0 5.0 (14.2)



board mounting hole measurement

Feature

- Enable to open/close and hold the P.C.B. vertically, which makes inspection and maintenance easy.
- With the combined use with SHCBS series, it will be very convenient.

Material

Standard color

Nylon 66

UL94V-2: Natural UL94V-0: White

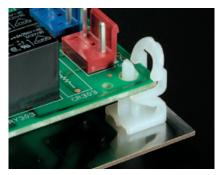
SRF- 5 SRF- 5U 7.9 10.3 SRF- 6 SRF- 6U 9.5 11.9	Packing		1)	ions (mm		. No	Port			
UL94V-2 UL94V-0 P.C.B. Chassis P.C.B. Chassis SRF- 5 SRF- 5U 7.9 10.3 SRF- 6 SRF- 6U 9.5 11.9	unit	ard thickness	Applicable be	ng hole	Mounti	В		INO.	ran	
SRF- 6 SRF- 6U 9.5 11.9	(pieces)	Chassis	P.C.B.	Chassis	P.C.B.	В	А	UL94V-0	UL94V-2	
						10.3	7.9	SRF- 5U	SRF- 5	
ODE 0 ODE 011 100 150				φ4.0 φ4.8 1.6 0.5~2	φ 4.0 φ 4.8		11.9	9.5	SRF- 6U	SRF- 6
SHF- 8 SHF- 8U 12.6 15.0							15.0	12.6	SRF- 8U	SRF- 8
SRF-10 SRF-10U 15.8 18.2 φ4.0 φ4.8 1.6 0.5~2.0	500	0.5 ~ 2.0	0.5 ~ 2.0			18.2	15.8	SRF-10U	SRF-10	
SRF-12 SRF-12U 19.0 21.4						21.4	19.0	SRF-12U	SRF-12	
SRF-14 SRF-14U 22.2 24.6						24.6	22.2	SRF-14U	SRF-14	
SRF-16 SRF-16U 25.3 27.7						27.7	25.3	SRF-16U	SRF-16	

ReHS compliant

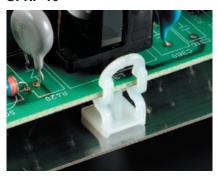
Circuit board spacer SPRH-10/SPRF-10

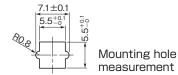


SPRH-10



SPRF-10





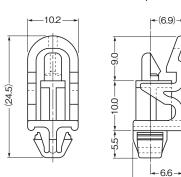
Feature

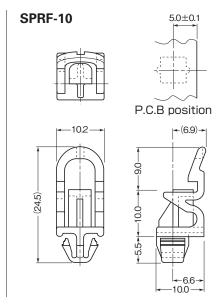
- Easy to unlock the fixation of P.C.B. at a time of maintenance.
- SPRF type is to hold the mid-section, not requiring mounting hole of P.C.board.

Material Nylon 66

Standard color UL94V-2: Natural

SPRH-10 50±0.1 Ø40 P.C.B position





	Dimensions (mm)			De alsinas susit	
Part No.	Mounting hole	Applicable board thickness		Packing unit (pieces)	
	P.C.B.	P.C.B. Chassis		(pieces)	
SPRH-10	φ 4.0	1.6	0.5 ~ 1.2	F00	
SPRF-10	_	1.6	0.5 ~ 1.2	500	

Circuit board spacer

STBS series



Feature

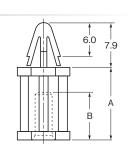
- Fixed with the self tapping screws.
- Only its head part will stick out on the other side of the P.C.B.

Material

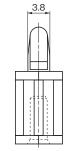
Standard color

Nylon 66 UL94V-2: Natural

UL94V-0: White



10.0





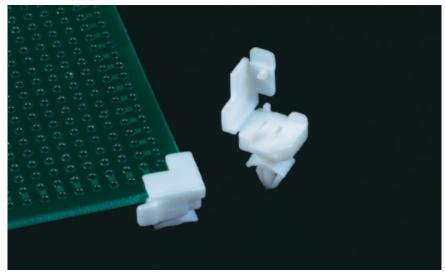
 $\phi\,2.9$ mounting hole for self tapping screw. (Nominal Diameter:3.5)

Part No.			Packing			
Fail	I IVO.	АВ		P.0	unit	
UL94V-2	UL94V-0	Α	Б	Mounting hole	Applicable board thickness	(pieces)
STBS- 4	STBS- 4U	6.4	5.0			
STBS- 6	STBS- 6U	9.6	7.0			
STBS- 8	STBS- 8U	12.7	8.4			
STBS-10	STBS-10U	15.9	8.4			
STBS-12	STBS-12U	19.1	8.4	φ 4.0	1.6	500
STBS-14	STBS-14U	22.3	8.4			
STBS-16	STBS-16U	25.4	8.4			
STBS-18	STBS-18U	28.6	8.4			
STBS-22.5	STBS-22.5U	35.7	8.4			

Non-hole spacer

NH series





Feature

- Best Suited for the P.C.B. having no space to allocate the mounting hole such as hi-density or small P.C.B.
- Can be easily snapped-on.
- Easy to unlock the P.C.B. fixation and convenient at a time of maintenance and inspection.

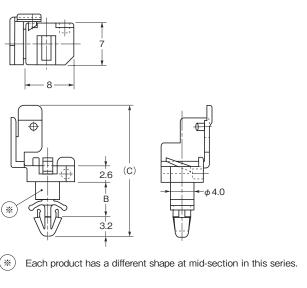
Material

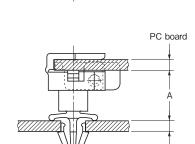
Nylon 66

10.2-

Standard color

UL94V-2: Natural UL94V-0: White





Fixed

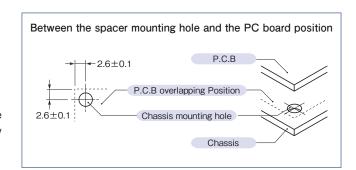
• Frequency: 4 cycles/sec.

Vibration test

Amplitude : 2mmDuration : 4 hoursForce : 9.8N (1kgf)

● Installed P.C.B. 57mm x 57mm t=1.6mm

Under above-mentioned vibration test, P.C.B did not come off the spacer. This data is only for the reference, but not for any warranty of the product.



Chassis

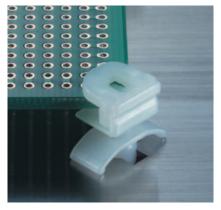
Port	No		Dimensions (mm)					De alde accests		
Part No.		^	D (0)		D (0)		P.C. board	Cha	assis	Packing unit
UL94V-2	UL94V-0	A	В	(C)	Applicable board thickness	Mounting hole	Applicable board thickness	(pieces)		
NH- 4	NH- 4U	4.0	2.9	18.7						
NH- 7	NH- 7U	7.0	5.8	21.6	1.2 ~ 1.6	φ 3.2	1.6	500		
NH-12	NH-12U	12.0	10.8	26.6						

Edge lock spacer

series

Re-usable type





Feature

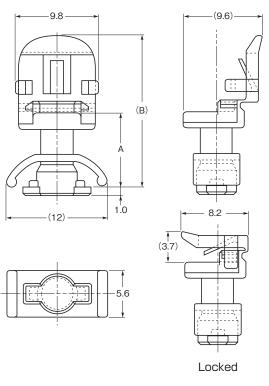
- Best suited for fixing the sub-P. C.B.
- Can be used for both straight and corner section without mounting hole on P.C.B.
- Easy to unlock, and to attach and remove the circuit boards.
- Easy to remove from the chassis and re-usable.

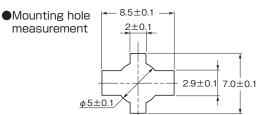
Material Standard color

Nylon 66

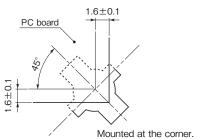
UL94V-2: Natural

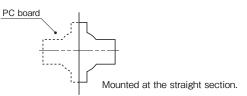
UL94V-0: White



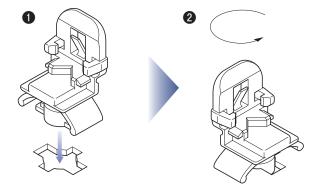


The position of mounting hole and P.C.B.





Installation Manual



- 1 Slot the edge lock spacer into the mounting
- 2 Turn 90° while edge lock spacer is pressed. Once it is locked inside the mounting hole, the installation is completed.
- 3 In case of uninstallation, turn 90° while it is pressed, pull it out.

Part	· No		Dimensions (mm)			Doolsings soult
rail	. INO.		(D)	Applicable bo	Packing unit (pieces)	
UL94V-2	UL94V-0	A	(B)	P.C. board	Chassis	(bieces)
ELS-7	ELS-7U	8	18.3	1.2 ~ 1.6	0.6 ~ 1.6	500
ELS-8	ELS-8U	9	19.3	1.2 ~ 1.6	0.6 ~ 1.6	500

Non-screw spacer

NS series

ROHS compliant

Re-usable type



Feature

- Maintain an uniform distance between chassis and P.C.B. by only squeezing the fixing pin into the body without using screws and nuts.
- Easily removable from a chassis and P.C.B. by only pulling out the fixing pin.
- Re-usable

Material

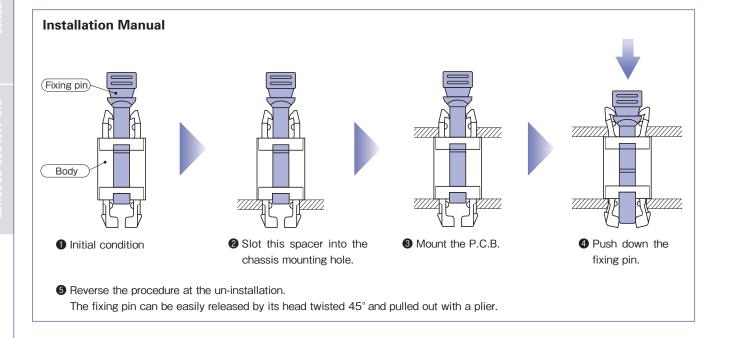
Nylon 66

Standard color

UL94V-2: Black UL94V-0: Black

Fixing pin	4.8
7.7	Mounted 6.0 MAX 3.5 MAX

Part No.		Dimensions (mm)					Packing
rail	NO.	Α	Mounti	ng hole	Applicable bo	oard thickness	unit
UL94V-2	UL94V-0	Α	P.C.B.	Chassis	P.C.B.	Chassis	(pieces)
NS- 5	NS- 5U	5.7					
NS- 7	NS- 7U	7.5					
NS-10	NS-10U	10.0	φ 6.0	φ 6.0	$0.5 \sim 2.3$	0.5 ~ 2.3	500
NS-15	NS-15U	15.0					
NS-20	NS-20U	20.0					



Snap-collar bush

SB/SBW series





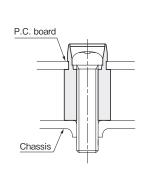
Feature

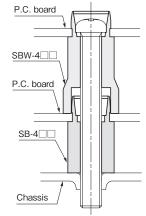
- Support for the P.C.B. screw fixation.
- Easy handling owing to one-piece structure.
- The screw head is concealed into the bush resulting excellent insulation and protection.
- Multiple board stacking type is also available.

Material Nylon 6 UL94V-0

Standard color White

Mounted





One P.C.B is mounted over the other

			Dimensions (mm)			De alvinar mais
	Part No.	Α	Mounting hole P.C.B.	Screw	Figure	Packing unit (pieces)
	SB-305	5.7				
	SB-307	7.5				
	SB-310	10.0	φ 6.6	M3	1	
	SB-315	15.0				
	SB-320	20.0				
	SB-405	5.7				
	SB-407	7.5		M4	2	200
	SB-410	10.0	φ 7.5			
	SB-415	15.0				
	SB-420	20.0				
*	SBW-410	12.5				
	SBW-415	15.0	φ 7.5	M4	3	
	SBW-420	20.0		1014	3	
	SBW-425	25.0				

* The SBW series are for mounting boards on top of each other.

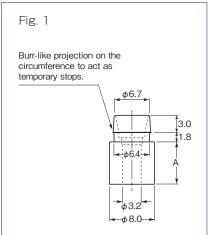
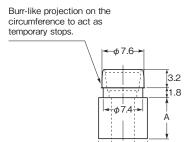
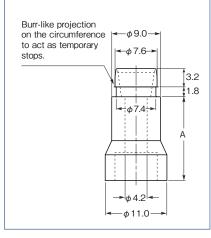


Fig. 2



-φ9.0-

Fig. 3



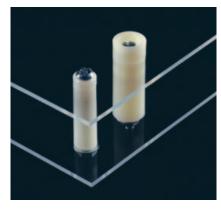
 The screw tightening torque 68.6N·cm ~ 78.4N·cm (7kgf·cm ~ 8kgf·cm)

29

One-touch collar bush

NA • NB/TA • TB series





Feature

- Maintain an uniform height of the P.C.B.
- Collar and bush shall be fitted onto the P.C.B., and screwed. Various height will be available by only changing the collar.
- Without any direct contact between P.C.B. and screws, it will avoid creating the damage such as crack.

Standard type Material ABS resin UL94HB

Standard color Natural

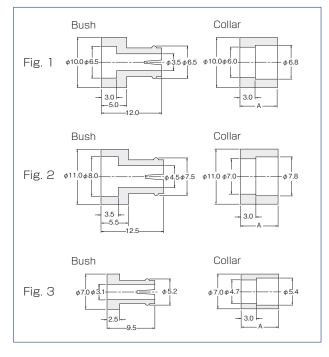
Heat-resistant type Material Poly-carbonate UL94V-0

Standard color Black

● The heat-resistant type is to have the suffix of "B". Example NB-300B

	Bush			Collar												
Part No.		Mounting hole (mm)	Packing unit (pieces)	Part No.	A (mm)	Screw	Figure	Packing unit (pieces)								
			NA-305	5.7												
				NA-307	7.5			200								
NB-300	1	φ 6.5	200	NA-310	10.0	М3	1	200								
				NA-315	15.0											
				NA-320	20.0			100								
											NA-405	5.7				
						NA-407	7.5			200						
NB-400	2	φ 7.5	φ 7.5	φ 7.5	φ 7.5	φ 7.5	φ 7.5	200	NA-410	10.0	M4	2				
													NA-415	15.0		
						NA-420	20.0			100						
				TA-305	5.7											
				TA-307	7.5											
TB-300	3	φ 5.2	200	TA-310	10.0	М3	3	200								
			TA-314	14.0	1											
				TA-320	20.0											

More range is also available. Please contact us for further information.



Transistor spacer TR/TRC series

Rehs compliant

Footuwe

- Prevent transistor spacer from inclining, also maintain an uniform height from the P.C.B.
- Compatible with transistors of any manufacturers.

Standard type Material Polyacetal UL94HB

Standard color White

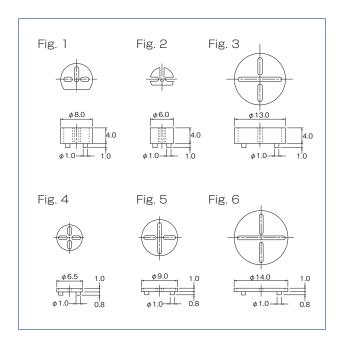
Flame-retardant type **Material** Nylon 6 UL94V-0

Standard color Black

● The flame-retardant type is to have the suffix of "B". Example TR-1B

Part No.	Figure	Packing unit (pieces)
TR-1	1	1 000
TR-2	2	1,000
TR-3	3	200
TRC-1	4	
TRC-2	5	1,000
TRC-3	6	

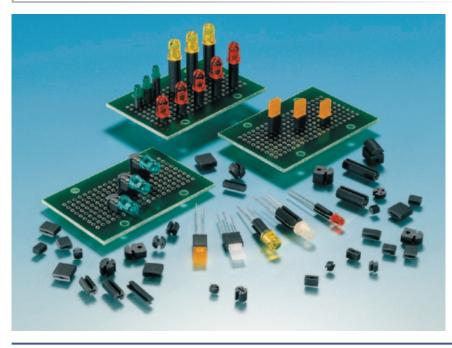
More range is also available. Please contact us for further information.



LED spacer

LH/LK series





Feature

- Create an uniform height for LED fixation.
- Prevent LED from tipping over, and protects and insulate LED lead wire.
- Reliable due to the excellence in heat-resistance, cold-resistance and chemical-resistance, and can be used during the soldering and cleaning procedure.
- Spacer for 3φ, 5φ, square shaped, two-color LEDs also available
- Length outside the standard range indicated below can be also customized.

LH-5 series





MaterialOlefin elastomer UL94V-0

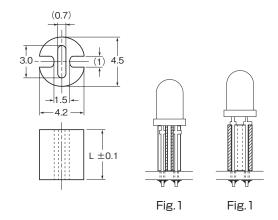
LH-5-8.5

Standard color

Black

Feature

- For ϕ 5 LED.
- Either the exterior channels (shown in Fig.1) or the central ellipse (shown in Fig.2) of a spacer can be used.
- Length outside the standard range indicated below can be also customized. (Please contact us for further information.)



Part No.	Dimensions (mm)	Part No.	Dimensions (mm)
Part No.	L	Part No.	L
LH-5-1	1.0	LH-5- 9	9.0
LH-5-1.5	1.5	LH-5- 9.5	9.5
LH-5-2	2.0	LH-5-10	10.0
LH-5-2.5	2.5	LH-5-10.5	10.5
LH-5-3	3.0	LH-5-11	11.0
LH-5-3.5	3.5	LH-5-11.5	11.5
LH-5-4	4.0	LH-5-12	12.0
LH-5-4.5	4.5	LH-5-12.5	12.5
LH-5-5	5.0	LH-5-13	13.0
LH-5-5.5	5.5	LH-5-13.5	13.5
LH-5-6	6.0	LH-5-14	14.0
LH-5-6.5	6.5	LH-5-14.5	14.5
LH-5-7	7.0	LH-5-15	15.0
LH-5-7.5	7.5		Packing unit: 1,000 pieces
LH-5-8	8.0		r doking drift . 1,000 pieces

8.5

LH-3 series



Feature

- For ϕ 3 LED.
- Length outside the standard range indicated below can be also customized.

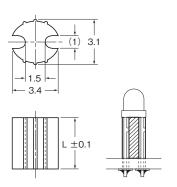
(Please contact us for further information.)

Material

Olefin elastomer UL94V-0

Standard color

Black



Part No.	Dimensions (mm)
Part No.	L
LH-3- 1	1.0
LH-3- 2	2.0
LH-3- 3	3.0
LH-3- 4	4.0
LH-3- 5	5.0
LH-3- 6	6.0
LH-3- 7	7.0
LH-3- 8	8.0
LH-3- 9	9.0
LH-3-10	10.0
LH-3-11	11.0
LH-3-12	12.0
LH-3-13	13.0
LH-3-14	14.0
LH-3-15	15.0
Po	aking unit : 1 000 nicoos

Packing unit: 1,000 pieces

LH-5S series



Feature

- For ϕ 5 LED.
- Projection on the circumference will prevent from tipping over.
- With either the outside groove shown in fig. 1 or the hole shown in Fig.2, this spacer can be used.
- Length outside the standard range indicated below can be also customized.

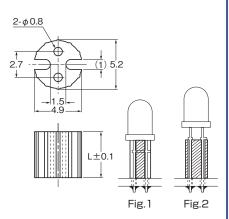
(Please contact us for further information.)

Material

Olefin elastomer UL94V-0

Standard color

Black



Part No.	Dimensions (mm)
rail No.	L
LH-5S- 1	1.0
LH-5S- 2	2.0
LH-5S- 3	3.0
LH-5S- 4	4.0
LH-5S- 5	5.0
LH-5S- 6	6.0
LH-5S- 7	7.0
LH-5S- 8	8.0
LH-5S- 9	9.0
LH-5S-10	10.0
LH-5S-11	11.0
LH-5S-12	12.0
LH-5S-13	13.0
LH-5S-14	14.0
LH-5S-15	15.0

Packing unit: 1,000 pieces

LH-5E series

RHS



Feature

- For φ5 LED.
- Improved for the protection and insulation character of wire, also prevention from tipping.
- Length outside the standard range indicated below can be also customized.

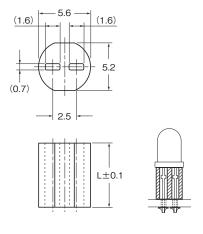
(Please contact us for further information.)

Material

Olefin elastomer UL94V-0

Standard color

Black



Part No.	Dimensions (mm)
Part No.	L
LH-5E- 1	1.0
LH-5E- 2	2.0
LH-5E- 3	3.0
LH-5E- 4	4.0
LH-5E- 5	5.0
LH-5E- 6	6.0
LH-5E- 7	7.0
LH-5E- 8	8.0
LH-5E- 9	9.0
LH-5E-10	10.0
LH-5E-11	11.0
LH-5E-12	12.0
LH-5E-13	13.0
LH-5E-14	14.0
LH-5E-15	15.0

Packing unit: 1,000 pieces

ROHS

RHS

LH-36 series



3.85.8 (1) -3.0 L±0.1 Fig. 1 Fig.2

Feature

- For two-color LED.
- LEDs can be mounted in either of two ways; the central ellipse can be used in a lengthwise orientation (shown in Fig.1) or in crosswise orientation.(shown in Fig.2)
- Length outside the standard range can be also customized.
 - (Please contact us for further information.)

Material

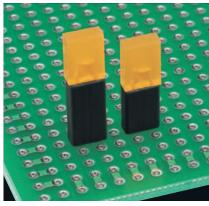
Olefin elastomer UL94V-0

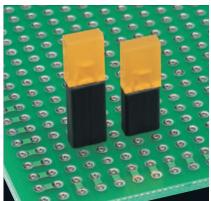
Standard color

Black

Part No.	Dimensions (mm)	Packing unit
Fait No.	L	(pieces)
LH-36- 1	1.0	
LH-36- 2	2.0	
LH-36- 3	3.0	
LH-36- 4	4.0	
LH-36- 5	5.0	
LH-36- 6	6.0	
LH-36- 7	7.0	
LH-36- 8	8.0	1,000
LH-36- 9	9.0	
LH-36-10	10.0	
LH-36-11	11.0	
LH-36-12	12.0	
LH-36-13	13.0	
LH-36-14	14.0	
LH-36-15	15.0	

LK series





Feature

- Best suited for square LED.
- Length outside the standard range can be also customized.

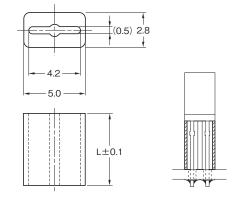
(Please contact us for further information.)

Material

Olefin elastomer UL94V-0

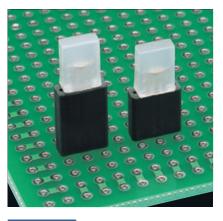
Standard color

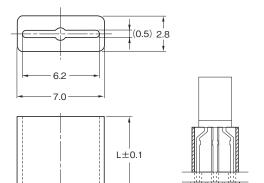
Black



Part No.	Dimensions (mm)	Packing unit
i ait ito.	L	(pieces)
LK- 1	1.0	
LK- 2	2.0	
LK- 3	3.0	
LK- 4	4.0	
LK- 5	5.0	
LK- 6	6.0	
LK- 7	7.0	
LK- 8	8.0	1,000
LK- 9	9.0	
LK-10	10.0	
LK-11	11.0	
LK-12	12.0	
LK-13	13.0	
LK-14	14.0	
LK-15	15.0	

LK-36 series





RHS

Feature

- For two-color square LED.
- Length outside the standard range can be also customized. (Please contact us for further information.)

Material

Olefin elastomer UL94V-0

Standard color

Black

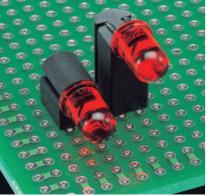
Part No.	Dimensions (mm)	Packing unit
r art 110.	L	(pieces)
LK-36- 1	1.0	
LK-36- 2	2.0	
LK-36- 3	3.0	
LK-36- 4	4.0	
LK-36- 5	5.0	
LK-36- 6	6.0	
LK-36- 7	7.0	
LK-36- 8	8.0	1,000
LK-36- 9	9.0	
LK-36-10	10.0	
LK-36-11	11.0	
LK-36-12	12.0	
LK-36-13	13.0	
LK-36-14	14.0	
LK-36-15	15.0	

Horizontal LED spacer









Feature

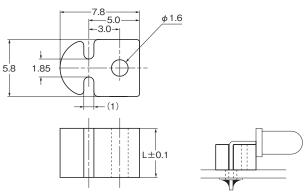
- For the horizontal mounting of either ϕ 3 or ϕ 5 LED.
- The use of a square pin in ϕ 1.6 hole will secure the better fixation.
- Length outside the standard range can be also customized. (Please contact us for further information.)

Material

Olefin elastomer UL94V-0

Standard color

Black



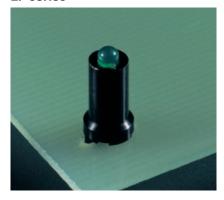
Part No.	Dimensions (mm)	Packing unit (pieces)
LA-5- 3	3.0	(6.000)
LA-5- 4	4.0	
LA-5- 5	5.0	
LA-5- 6	6.0	
LA-5- 7	7.0	
LA-5- 8	8.0	
LA-5- 9	9.0	1,000
LA-5-10	10.0	
LA-5-11	11.0	
LA-5-12	12.0	
LA-5-13	13.0	
LA-5-14	14.0	
LA-5-15	15.0	

LED holder

LF series/LF5-9.2



LF series



LF5-9.2



Feature

- Prevent the LED from tipping, and the light from dissipation.
- Best suited for the LED with the shaped wire.
- LF series for ϕ 3 LED.
- LF5-9.2 for φ5 LED.

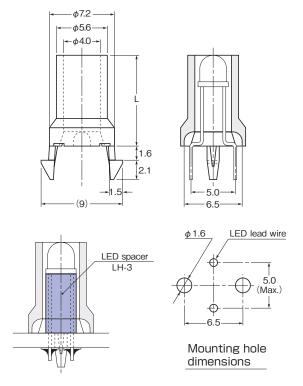
Material

Nylon 6 UL94V-2

Standard color

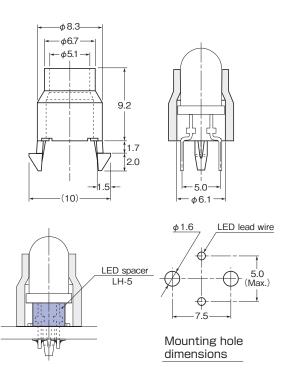
Black

LF series



 We recommend the combined use between LED spacer and LH-3 in case the lead wire are not shaped. (Easily adjustable of LED height.)

LF5-9.2



 We recommend the combined use between LED spacer and LH-5 in case the lead wire are not shaped.

(Easily adjustable of LED height.)

LF series

Dort No	Dimensions (mm)		Packing unit
Part No.	L	Applicable board thickness	(pieces)
LF- 8	8.0		
LF-10	10.0		
LF-11	11.0	1.6	500
LF-12	12.0		
LF-17	17.0		

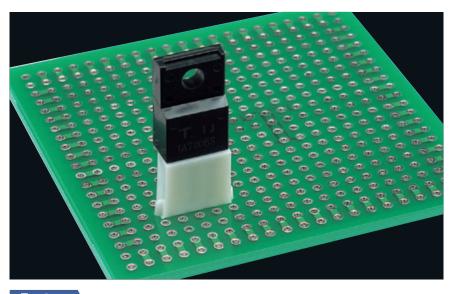
LF5-9.2

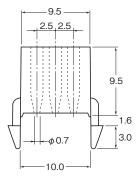
Part No.	Applicable board thickness (mm)	Packing unit (pieces)
LF5-9.2	1.6	500

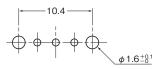
Power transistor spacer

PT-95U









Mounting hole dimensions

Feature

- For power transistors (TO-220 type)
- Best suited for the protection of lead wire and the insulation.
- Best suited for the preventing from tipping during the soldering and transportation.
- The height of spacer is 9.5mm.

Material

Nylon 66 UL94V-0

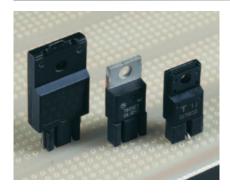
Standard color

Packing unit Part No. (pieces) PT-95U 500

Triadic-terminal spacer

series





Material

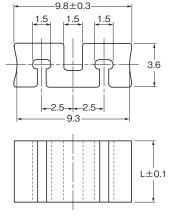
Olefin elastomer UL94V-0

Standard color

Black

Feature

- For power transistors, triadicterminal regulators etc.
- Reliable due to the excellence in heat-resistance, cold-resistance and chemical-resistance, and can be used during the soldering and cleaning procedure.
- Can be also used for 5-terminal electronic components.
- Length outside the standard range as below can be also customized. (Please contact us for further information.)

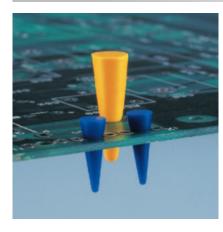


Part No.	Dimensions (mm)	Packing unit
i ait ivo.	L	(pieces)
3T- 3	3.0	
3T- 4	4.0	
3T- 5	5.0	
3T- 6	6.0	
3T- 7	7.0	
3T- 8	8.0	
3T- 9	9.0	1,000
3T-10	10.0	
3T-11	11.0	
3T-12	12.0	
3T-13	13.0	
3T-14	14.0	
3T-15	15.0	

Non-through packing





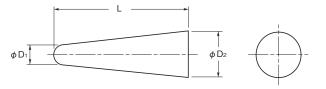


Feature

- Hole stopping cap that prevent plating for adhering during through-hole plating.
- Protect tap hole., etc., during the plating of equipment casing or cabinets.
- Flexible and elastic. Can be used to plug round, elliptical, oval hole, etc. Excellent heat resistant and chemical resistant properties.
- Recycle.

Material

Silicone rubber



Part No.		Dimensions (mm)		Color	Packing unit
Fait No.	φ D ₁	φ D ₂	L	Color	(pieces)
NP-1	0.8	4.0	15.0	Red	
NP-2	1.3	5.5	15.0	Blue	1,000
ND 2	3.0	7.5	22.0	Vellow	1

38

Automatic Insertion machine use Surface Mount type, Check Terminal



HK-2 series

(3.2 x 1.6 type)



Feature

- HK-series are available to set chip-mounting machine.
- Packaging is by emboss taping.
- In case of using normal cream-soldering by reflow, land configuralation is flat and size more than 1.6 mm \times 3.2 mm.
- Material · Brass
- Surface treatment: HK-2-G Gold plated on nickel base.

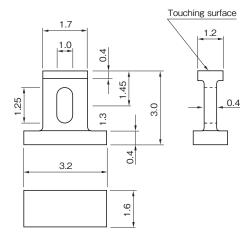
HK-2-S Sn plated on nickel base.

Part No.	Packaging conditions
HK-2-G	Dool (1000 pag (rool)
HK-2-S	Reel (1000 pcs/reel)

Recommended land size

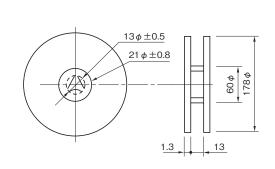


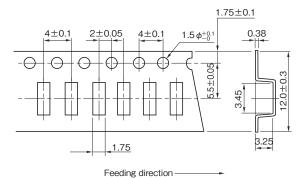
Dimentions





Reel dimensions





Automatic Insertion machine use Surface Mount type, Check Terminal



HK-3 series

(2 x 1.25 type)



Feature

- HK-series are available to set chip-mounting machine.
- Suitable for small devices as the size is 2 × 1.25.
- Packaging is by emboss taping.
- In case of using normal cream-soldering by reflow, land configuralation is flat and size more than 2 mm × 1.3 mm.
- Material : Brass
- Surface treatment: HK-3-G Gold plated on nickel base.

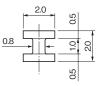
HK-3-S Sn plated on nickel base.

Part No.	Packaging conditions
HK-3-G-T	Reel (1500 pcs/reel)
HK-3-G	Bulk (1000 pcs/Pack)
HK-3-S-T	Reel (1500 pcs/reel)
HK-3-S	Bulk (1000 pcs/Pack)

Recommended land size



Dimentions



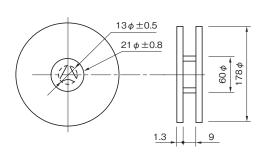


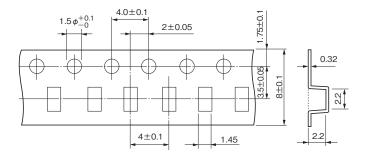




HK-3- □ -T (Taping version)

Reel dimensions





Automatic Insertion machine use Surface Mount type, Check Terminal



HK-4 series

(1.2 x 1.0 type)



Feature

- HK-series are available to set chip-mounting machine.
- \blacksquare Suitable for small devices as the size is extremely small 1.2 \times 1.0.
- Shall be used by oscilloscope hooked inner hole.
- In case of using normal cream-soldering by reflow, land configuralation is flat and size more than 1.3 mm × 1.1 mm.
- Material: Brass
- Surface treatment: HK-4-G Gold plated on nickel base.

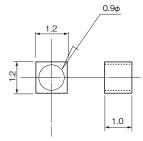
HK-4-S Sn plated on nickel base.

Part No.	Packaging conditions
HK-4-G-T	Reel (3000 pcs/reel)
HK-4-G	Bulk (1000 pcs/Pack)
HK-4-S-T	Reel (3000 pcs/reel)
HK-4-S	Bulk (1000 pcs/Pack)

Recommended land size



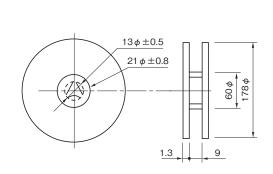
Dimentions

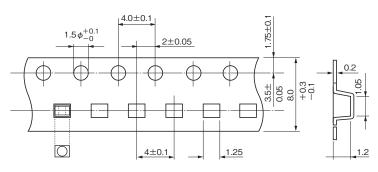




HK-4- □ -T (Taping version)

Reel dimensions





Automatic Insertion machine use Surface Mount type, Check Terminal



HK-5 series

(2.5 x 3.0 type)



Feature

- Coloved check teminal to beset on chip-mounting machine.
- Choice of 10 colors.
- Size : 2.5 × 3.0.
- In case of using normal cream-soldering by reflow, land configuralation is flat and size more than 1.25 mm × 2.5 mm.
- Stored in emboss tape.
- Applicable temperature -40 \sim +150°C.
- Material: Pin ------Phosphor bronze 0.2t

Resin part (lined part) ---- Fluorine (UL94V-0) Color (10 colors)

- Surface treatment: HK-5-G Gold plated on nickel base.
 - HK-5-S Sn plated on nickel base.
- How to order: Example HK-5-G ← Please designate the color.

Black, Brown, Red, Orange, Yellow, Dreen,

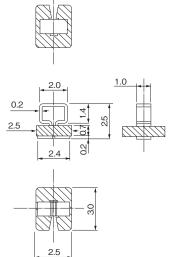
Blue, Purple, Grey, White.

Part No.	Packaging conditions
HK-5-G □	Reel (1000 pcs/reel)
HK-5-S □	
HK-5-G-B □	Bulk (1000 pcs/Pack)
HK-5-S-B □	

Recommended land size



Dimentions





HK-5-G ☐ /HK-5-S ☐ (Taping version)

Reel dimensions

