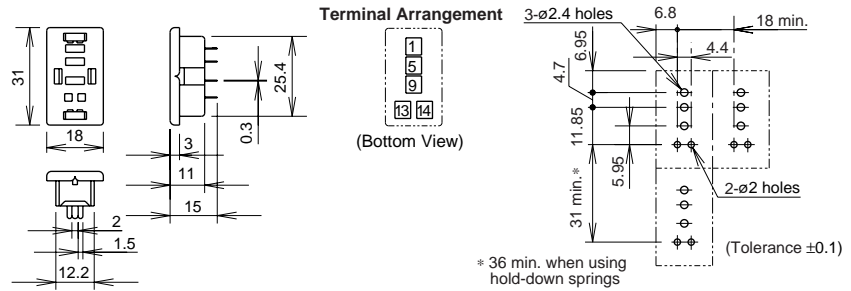


## SH Series: PC Board Mount Sockets



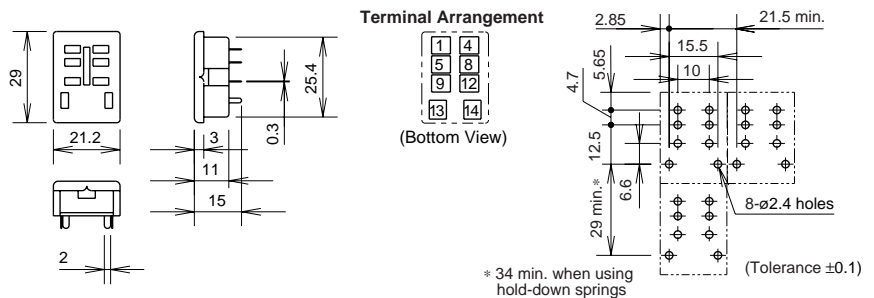
**SH1B-62**

<b>Style</b>	5-blade
<b>Terminal</b>	Solder/PCB mount
<b>Electrical Rating</b>	250V, 10A
<b>Compatible Relay</b>	RH1B
<b>Hold-Down Spring</b>	SY4S-51F1
<b>Hold-Down Clip</b>	SFA-301 (top notch), SFA-302 (side notch)



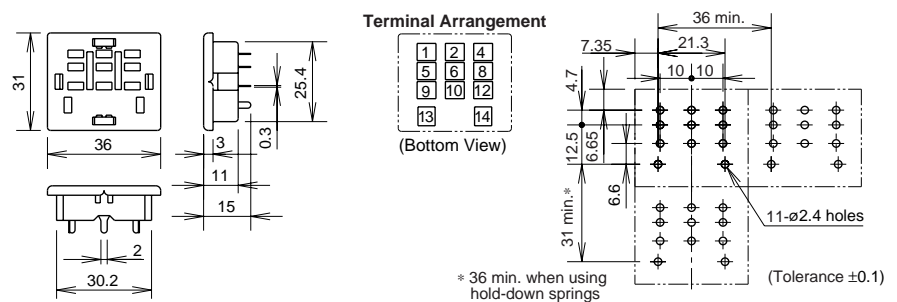
**SH2B-62**

<b>Style</b>	8-blade
<b>Terminal</b>	Solder/PCB mount
<b>Electrical Rating</b>	300V, 10A
<b>Compatible Relay</b>	RH2B
<b>Hold-Down Spring</b>	SY4S-51F1, SY4S-02F1
<b>Hold-Down Clip</b>	SFA-301 (top notch), SFA-302 (side notch)



**SH3B-62**

<b>Style</b>	11-blade
<b>Terminal</b>	Solder/PCB mount
<b>Electrical Rating</b>	300V, 10A
<b>Compatible Relay</b>	RH3B, *RH2LB (*latching relay)
<b>Hold-Down Spring</b>	SY4S-51F1, SY4S-02F1
<b>Hold-Down Clip</b>	SFA-301 (top notch), SFA-302 (side notch)



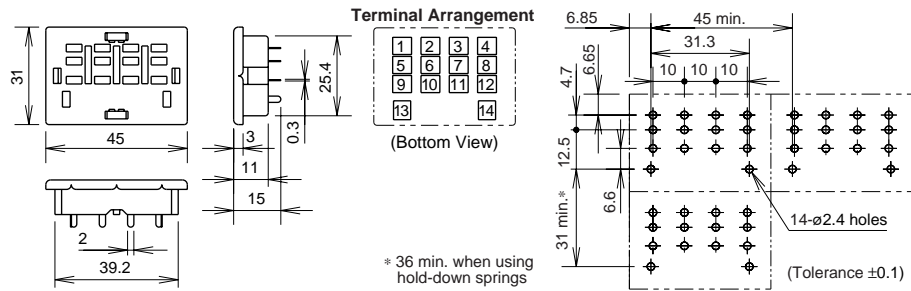
1. For socket mounting accessories, see page F-29.  
2. For hold-down clip/spring selections, see page F-4.

All dimensions are in mm.

## SH Series: PC Board Mount Sockets, continued

**SH4B-62**

<b>Style</b>	14-blade
<b>Terminal</b>	Solder/PCB mount
<b>Electrical Rating</b>	300V, 10A
<b>Compatible Relay</b>	RH4B
<b>Hold-Down Springs</b>	SY4S-51F1, SH4B-02F1
<b>Hold-Down Clip</b>	SFA-301 (top notch), SFA-302 (side notch)



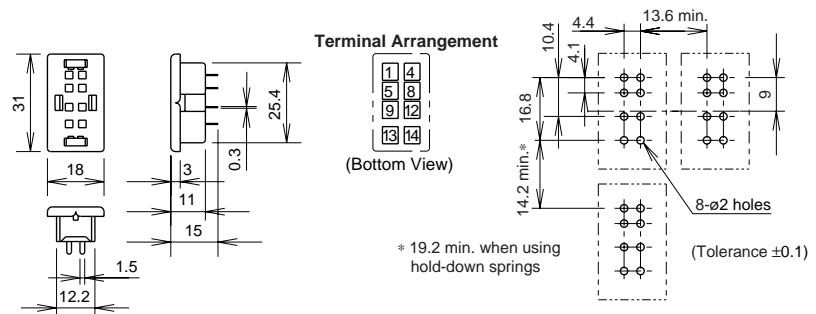
F

Sockets

## SY Series: PC Board Mount Sockets

**SY2S-61**

<b>Style</b>	8-blade
<b>Terminal</b>	Solder/PCB mount
<b>Electrical Rating</b>	300V, 7A
<b>Compatible Relay</b>	RY2S, RY22S
<b>Hold-Down Spring</b>	SY4S-51F1
<b>Hold-Down Clip</b>	SFA-301 (top notch), SFA-302 (side notch)



All dimensions are in mm.

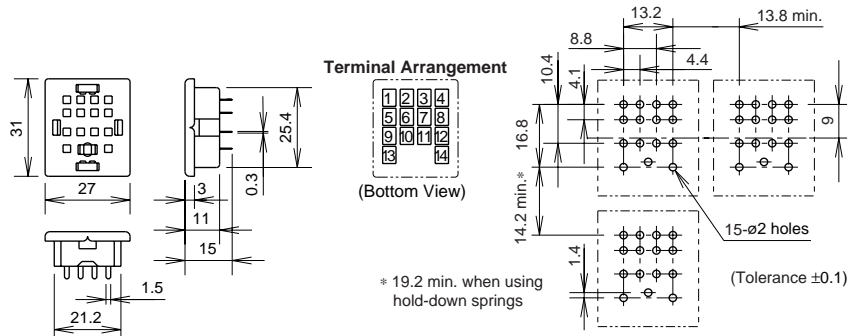


1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

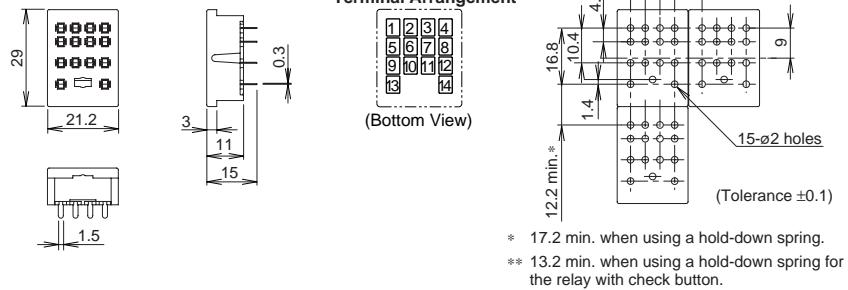
## SY Series: PC Mount Sockets, continued



<b>SY4S-61</b>	
<b>Style</b>	14-blade
<b>Terminal</b>	Solder/PCB mount
<b>Electrical Rating</b>	300V, 7A
<b>Compatible Relay</b>	RY4S, RY42S, RM2S, *RY2KS, RU4S, RU42S, RU2S (*latching relay)
<b>Compatible Timer</b>	GT5Y
<b>Hold-Down Spring</b>	SY4S-51F1, SY4S-02F1
<b>Hold-Down Clip</b>	SFA-301 (top notch; except GT5Y and RY2KS) SFA-302 (side notch for all)



<b>SY4S-62</b>	
<b>Style</b>	14-blade
<b>Terminal</b>	Solder/PCB mount
<b>Electrical Rating</b>	250V, 7A
<b>Compatible Relay</b>	RY4S, RY42S, RU4S, RU42S, *RY2KS (*latching relay)
<b>Compatible Timer</b>	GT5Y
<b>Hold-Down Spring</b>	SY4S-51F1, SY4S-51F3, SY4S-51F4, *SY4S-02F1, *SY4S-02F3 (*when mounting a relay with check button)

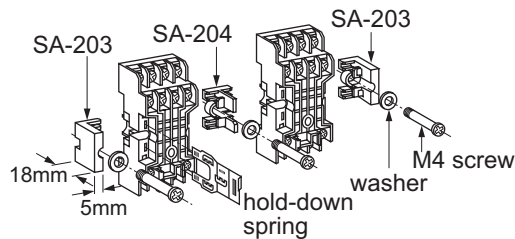


All dimensions are in mm.



1. For socket mounting accessories, see page F-29.
2. For hold-down clip/spring selections, see page F-4.

## Accessories



Description	Appearance	Use with	Part No.	Remarks
<b>Aluminum DIN Rail</b> (1 meter length)		All DIN rail sockets	BNDN1000	IDEC offers a low-profile DIN rail (BNDN1000). The BNDN1000 is designed to accommodate snap-mount sockets. Made of durable extruded aluminum, the BNDN-1000 measures 0.413 in height and 1.37 (35mm) in width (DIN standard). Standard length is 39" (1,000mm).
<b>DIN Rail End Stop</b>		DIN rail	BNL5	9.1 mm wide.
<b>Surface Mount End Connector</b>		SY2S, SY4S, SR3B, SH1B, SH2B, SH3B, SH4B	SA-203	For use on ends of socket groupings when surface mounting.
			SA-204	For use between adjoining sockets when surface mounting.
<b>Surface Mount Connector</b>		SY2S, SY4S, SR3B, SH1B, SH2B, SH3B, SH4B	SA-405	For use between adjoining sockets when surface mounting.
<b>DIN Rail Spacer</b>		All DIN rail sockets	SA-406	
<b>Steel Mounting Plates</b> (for panel mount sockets)		SY4S-51, SH2B-51	SA-402	11.42" length with 10 holes.
		SY4S-51, SH2B-51	SA-403	23.33" length with 21 holes.
<b>Relay Holders</b>		RH2B, RM2S, RY4S, RY42S, RU4S, RU42S	RH-01	For diagram, see next page.
		RY2S, RH1B	RH-03	
<b>Replacement Hold-Down Spring Anchor</b>		Horseshoe clip for all DIN rail sockets except SR*P-05(C)	Y778-011	For use with hold-down springs (bale wire types) or DIN rail mount sockets. 2 pieces included with each socket.
<b>Hold-Down Spring for SR*P-05(C)</b>		Chair clip for SR*P-05(C)	Y703-102	For SR2P-05, SR2P-05C, SR3P-05, SR3P-05C

**Instructions**

**Mounting Snap-Mount Sockets**

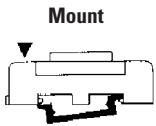


Figure 1

Snap-mount sockets are designed to mount on the BNDN-1000 mounting rail. The built-in mounting clip eliminates mounting hardware and reduces mounting time by 80%.

To mount see Figure 1. Place the end of the socket (end opposite of mounting clip against the outer edge of the rail). Press the socket down firmly until the clip snaps onto the mounting rail. To remove see Figure 2. Pull out the mounting clip with a screwdriver, and lift the socket.

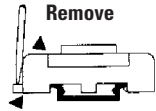
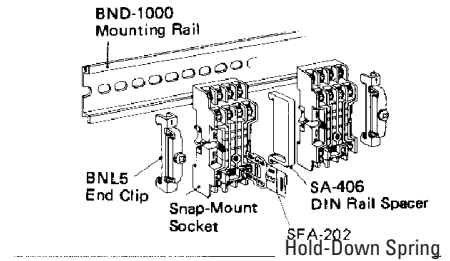


Figure 2

For spacing between adjoining sockets, use the SA-406 DIN rail spacer. Spacers are 0.195" wide. Spacing can be adjusted according to the number of spacers added. Spacers snap on and off easily like snap-mount sockets.

To prevent side-to-side movement, use a BNL-5 end clip at **each** end of every socket row.



**Mounting Relay Holders**

**F**  
**Sockets**

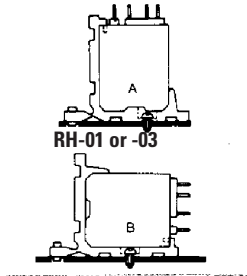


Figure 1

Mount directly onto panel boards in two alternate positions: A and B (see Figure 1).

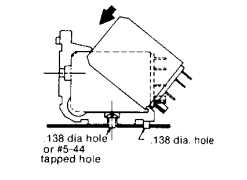


Figure 2

To mount the relay into the holder, hook the bottom edge of the relay case (coil terminal side) onto the relay holder (see Figure 2).

Push down until the relay snaps into place.

**Mounting Hold-Down Springs**

Take the two anchor clips (horseshoe / U-shaped piece) that come with the socket and insert into the slits on both sides of the socket. Make sure the raised notches on the anchor clip face into the socket.

Plug relay into socket

Insert the open ends of the hold-down spring into either the first or second hole of the anchor clip. The relay-spring combination will determine which hole should be used.

Slide spring over relay.

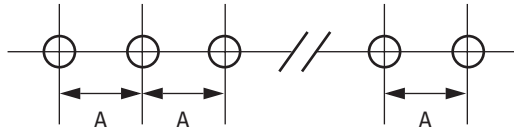
## Dimensions


### Surface Mount Sockets (SH2B-02)

IDEC surface mount sockets (SH2B-02) are also designed to mount individually or collectively on a flat surface without the use of a DIN rail. Use the mounting screw between adjoining sockets and at the outer ends of the row of sockets.

#### Dimension Table

Socket Part No.	Dimension A
SH2B-02	1.14"



 1. Drawing is not to scale.

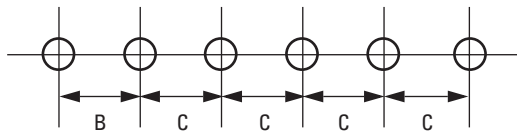
### Snap-Mount Sockets

Snap-mount sockets are designed to mount individually or collectively without using a rail. Use a SA-405 connector or SA-204 connector between adjoining sockets (see Figures 1 and 2). Use the SA-203 end connector at the outer ends of each socket row when using the SA-204 connector (see Figure 2).

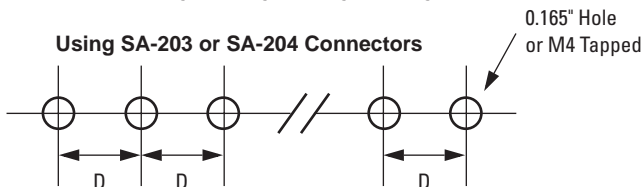
#### Dimension Table


Socket Part No.	Dim. B	Dim. C	Dim. D
SY2S-05, SY2S-05C	0.669"	0.826"	0.866"
SY4S-05, SY4S-05C	1.024"	1.181"	1.220"
SR3B-05	1.496"	1.693"	1.732"
SH1B-05, SH1B-05C	0.630"	0.787"	0.827"
SH2B-05, SH2B-05C	1.024"	1.181"	1.220"
SH3B-05, SH3B-05C	1.417"	1.575"	1.614"
SH4B-05, SH4B-05C	1.811"	1.969"	2.008"

#### Using an SA-406 Connector



#### Using SA-203 or SA-204 Connectors



 2. Drawings are not to scale.

**Dimensions, continued**

**Collective Panel Mounting**

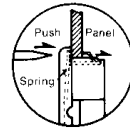
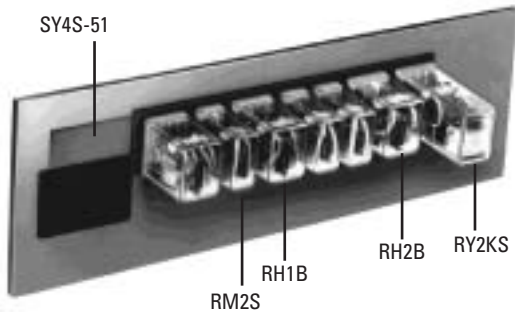


Figure 1

SH and SY series panel mount sockets are designed to mount collectively in panel cut-outs. Insert socket with mounting springs facing the top and bottom edge of the panel cut-out. Push the socket until the mounting spring clips onto the panel. (See Figure 1.)

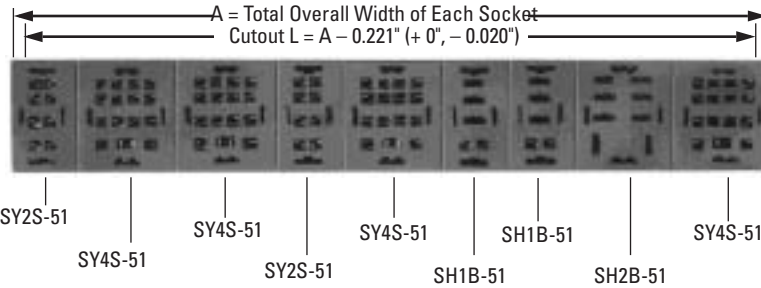
**Dimension Table**

Part No.	Width	Relay
SY4S-51	1.063"	RY4S, RY42, RY2KS, RM2S
SH4B-51	1.772"	RH4B
SH3B-51	1.418"	RH3B, RH2LB
SH2B-51	1.063"	RH2B
SH1B-51	0.709"	RH1B
SY2S-51	0.709"	RY2S, RY22S

**How to Calculate Cutout Length (L)**

**Cutout L = A (Total Overall Width of Each Socket) – 0.221" (+ 0", – 0.020")**

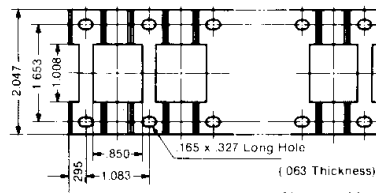
Example:



$$L = [0.709" + 1.063" + 1.063" + 0.709" + 1.063" + 0.709" + 1.063" + 1.063"] - 0.221" = 7.93"$$

$$L = 7.93" (+ 0", - 0.020")$$

**Mounting Plate**



Sockets

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