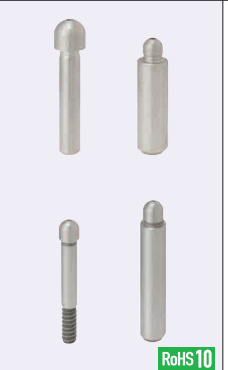


Locating Pins for Height Adjusting

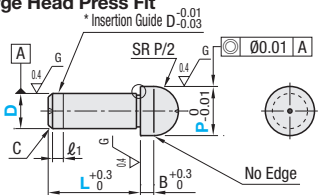
■ **Features:** Locating pins for printed circuit boards. B dimension is fixed short for thin boards. Reasonably priced.



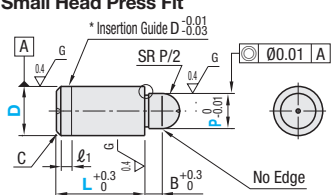
RoHS 10

Material No.	Material	Surface Treatment	Hardness	Large Head		Small Head	
				Press Fit	Threaded	Press Fit	Tapped
①	EN 1.4301 Equiv.	-	-	SFPLA (m6) SFPLP (p6)	SFPLN	SFPMA (m6) SFPMP (p6)	SFPMT
②	EN 1.4037 Equiv.	-	Treated Hardness: 50 ~ 55HRC	CFPLA (m6) CFPLP (p6)	CFPLN	CFPMA (m6) CFPMP (p6)	-

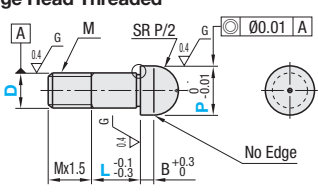
• **Large Head Press Fit**



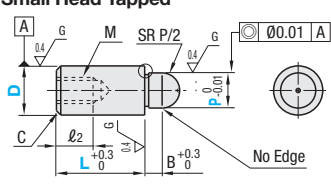
• **Small Head Press Fit**



• **Large Head Threaded**



• **Small Head Tapped**



* The insertion guide is applicable to tolerance m6 and p6 type only.
* When the P dimension is small, a centering hole will cause the sphere section to become small.
* EN 1.4301 Equiv. may not be polished and may have no centering hole.
* The spherical head may be polished.

Large Head Press Fit

Part Number		P		L		B	C	ℓ ₁	Unit Price	
Type	D	D dim. Tolerance m6	p6	0.01mm Increment	1mm Increment				① EN 1.4301 Equiv. SFPLA SFPLP	② EN 1.4037 Equiv. CFPLA CFPLP
SFPLA (m6) SFPLP (p6) CFPLA (m6) CFPLP (p6)	1			1.50~2.00	2~10	1	0.1	0		
	2	+0.008	+0.012	2.50~4.00	2~15					
	3	+0.002	+0.006	3.50~6.00	3~15	2	0.2	1		

Large Head Threaded

Part Number		P		L		B	M (Coarse)	* Tightening Torque N·cm	Unit Price	
Type	D	D dim. Tolerance g6		0.01mm Increment	1mm Increment				① EN 1.4301 Equiv. SFPLN	② EN 1.4037 Equiv. CFPLN
SFPLN CFPLN	2	-0.002		2.50~4.00	2~12	1	M2	-		
	3	-0.008		3.50~6.00		2	M3	98		

Small Head Press Fit

Part Number		P		L		B	C	ℓ ₁	Unit Price	
Type	D	D dim. Tolerance m6	p6	0.01mm Increment	1mm Increment				① EN 1.4301 Equiv. SFPMA SFPMP	② EN 1.4037 Equiv. CFPMA CFPMP
SFPMA (m6) SFPMP (p6) CFPMA (m6) CFPMP (p6)	2	+0.008	+0.012	1.00~1.95	2~15	1	0.3	0		
	3	+0.002	+0.006	1.50~2.95	3~15		0.5			
	4									
	5	+0.012	+0.020	2.50~4.00	3~20	2	1	1		
	6	+0.004	+0.012							

Small Head Tapped

Part Number		P		L		B	C	M (Coarse)	* Tightening Torque N·cm	ℓ ₂	Unit Price	
Type	D	D dim. Tolerance g6		0.01mm Increment	1mm Increment						① EN 1.4301 Equiv. SFPMT	
SFPMT	5	-0.004		2.50~4.00	10~20	2	0.5	M2	-	3		
	6	-0.012						M3	98	5		

* The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P. 2297.) Not applicable when using locking materials or lock washers.

Ordering Example

Part Number	Type	D	P	L
SFPLN	2	P2.90	L8	
CFPMA	6	P3.95	L15	

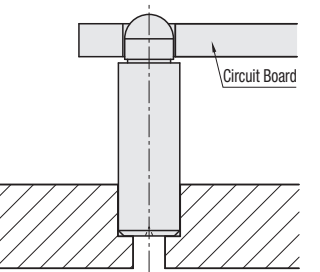
Alterations

Part Number	P	L	RC
SFPMT5	P2.95	L10	RC

Example

The tip is made spherical to prevent PCB damage, and the B dim. is kept short to prevent from going through.

Alteration	Stem R Alteration
Code	RC
Spec.	Changes the relief to R0.5. (Ordering Code) RC



Locating Pins - Large Head, Tapered Nonmagnetic

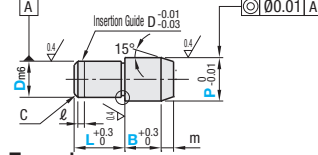
■ **Features:** Nonmagnetic (Aluminum) Locating Pins. Does not magnetically affect the surroundings.



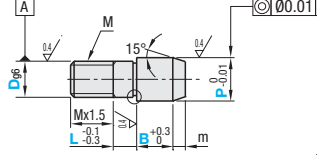
RoHS 10

Material	Surface Treatment	Tip Shape	Type		
			Press Fit	Tapped	Threaded
EN AW-2017 Equiv.	Clear Anodize	Round Diamond	AFPMA AFPM D	AFPM TA AFPM TD	AFPM NA AFPM ND

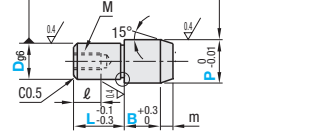
• **Press Fit**



• **Threaded**



• **Tapped**



Threads are prone to be crushed due to the soft material. Refer to the recommended tightening torque in the table for mounting.

(Round) (Diamond)

When P<3 a=0.5 d=P-0.1
When P3 a=1.0 d=P-0.2

Relief dimension is a reference value.

Press Fit

Part Number		P		L		B		C	m	(W)	ℓ	Unit Price	
Type	D	D dim. Tolerance m6	0.01mm Increment	1mm Increment	0.1mm Increment							AFPMA	AFPM D
AFPMA AFPM D Diamond Shape is applicable when D≥2.	1		1.50~2.50	2~3	1.0~5.0			0.1	0.5	-	0		
	2	+0.008	2.50~4.00	2~6	1.0~10.0			0.5	1	1.2			
	3	+0.002	3.50~6.00	3~6	1.0~10.0				2	1.5			
	4		4.50~7.00	4~8	1.0~10.0					1.8			
	5	+0.012	5.50~8.00	5~10	1.0~10.0				3	2.2			
	6	+0.004	6.50~10.00	6~12	1.0~12.0					3			
	8	+0.015	9.00~13.00	8~16	1.0~15.0			1.5		3.5			
	10	+0.006	11.00~15.00	10~20	3.0~20.0				4	4			
	12		13.00~16.00	12~24	3.0~20.0			2		5			
	13	+0.018	14.00~18.00	13~26	5.0~20.0					5.5			
	16	+0.007	17.00~25.00	16~32	5.0~20.0			3	5	7	2		

Tapped

Part Number		P		L		B		m	(W)	ℓ	M (Coarse)	Recommended Tightening Torque (kgf·cm)	Unit Price	
Type	D	D dim. Tolerance g6	0.01mm Increment	1mm Increment	0.1mm Increment								AFPM TA	AFPM TD
AFPM TA AFPM TD	6	-0.004	6.50~10.00	6(9)~12	2.0~12.0			3	3	5	M3	6.25		
	8	-0.005	9.00~13.00	8(12)~16	2.0~15.0				3.5					
	10	-0.014	11.00~15.00	10(12)~20	3.0~20.0			4	4	8	M5	10		
	12		13.00~16.00	12~24	3.0~20.0				5					
	13	-0.006	14.00~18.00	13(14)~26	5.0~20.0				5.5	10				
	16	-0.017	17.00~25.00	16~32	5.0~20.0			5	7	12	M8	22.5		

* L dimension in () is applicable to Diamond Shape. * Recommended tightening torque is reference value.

Threaded

Part Number		P		L		B		m	(W)	M (Coarse)	Recommended Tightening Torque (kgf·cm)	Unit Price	
Type	D	D dim. Tolerance g6	0.01mm Increment	1mm Increment	0.1mm Increment							AFPM NA	AFPM ND
AFPM NA AFPM ND	3	-0.002	3.50~6.00	2~6	1.0~10.0			2	1.5	3	5		
	4	-0.008	4.50~7.00	2~8	1.0~10.0				1.8	4	7		
	5	-0.004	5.50~8.00	3~10	1.0~10.0			3	2.2	5	8.75		
	6	-0.012	6.50~10.00	3~10	1.0~12.0				3	6	17.5		
	8	-0.005	9.00~13.00	5~10	1.0~15.0				3.5	8	18.75		
	10	-0.014	11.00~15.00	5~15	3.0~20.0			4	4	10	27.5		
	12	-0.006	13.00~18.00	8~15	3.0~20.0				5	12	92.5		
	16	-0.017	17.00~25.00	8~20	5.0~20.0			5	7	16	100		

* Recommended tightening torque is reference value.

Ordering Example

Part Number	P	L	B
AFPMA6	P6.50	L6	B3.0

Alterations

Part Number	P	L	B	(MH, RC, AC)
AFPM TA10	P12.00	L15	B6.0	AC

Alterations	Tapping	Stem R Alteration	Air Vent
Code	MH	RC	AC
Spec.	Adds a tapped hole. (Ordering Code) MH	Changes the relief to R0.5. (Ordering Code) RC	Adds an air vent. (Ordering Code) AC

Example

Since made of nonmagnetic metal, usable around small workpieces and the inside of the measuring instruments without magnetic effects.

