

# Locating Pins

APS Standard / A Configurable Large Head

**Tip Shape Selection**

Shape	Tip Shape	Diagram
A Shape	Bullet	
B Shape	Half Bullet	
C Shape	Sphere	

$$L \text{ ref.} = 28 + A + B + \sqrt{(C-B)^2 - \left(C - \frac{D}{2}\right)^2}$$

Type	D Head Dia. Callout (Actual)	A Lead Length										Coating	B Rad	C Rad
		15 mm	20 mm	30 mm	40 mm	50 mm	60 mm	70 mm	80 mm	90 mm	100 mm			
APS M2APS (Hole - 0.15)	25 (24.85)	1M	2M	3M	4M	5M	6M	7M	8M	9M	0M	None - Plain T - TiN (not available on M2 Pins) D - Rainbow DLC (Only for M2 Pins)	2.0	50.0

Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: [www.naamsstandards.org](http://www.naamsstandards.org).

Type	Coating	Tip Shape	D Head Dia. Callout (Actual)	A Lead Length (1 mm Inc.)	B Rad	C Rad		
						Tip A	Tip B	Tip C
APSL M2APSL (Hole - 0.15)	P - Plain T - TiN R - Rainbow DLC	A B C	25 (24.85)	10-100	2.0	50.0	25.0	D/2

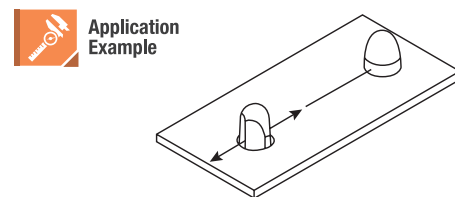
**Part Number Example**

Standard

Type	D	A	Coating
APS	25	6M	
APS	25	4M	T
M2APS	25	6M	
M2APS	25	8M	D

Configurable

Type	Coating	Tip Shape	D Callout	A
APSL	P	A	25	A42
APSL	T	C	25	A79
M2APSL	P	C	25	A85
M2APSL	R	B	25	A56



# Respot Pins

ARP Standard / A Configurable Small Head

**Tip Shape Selection**

Shape	Tip Shape	Diagram
A Shape	Bullet	
B Shape	Half Bullet	
C Shape	Sphere	

$$L \text{ ref.} = 28 + A + B + \sqrt{(C-B)^2 - \left(C - \frac{D}{2}\right)^2}$$

Type	D Head Dia. Callout (Actual)	A Lead Length										Coating	B Rad	C Rad
		15 mm	20 mm	30 mm	40 mm	50 mm	60 mm	70 mm	80 mm	90 mm	100 mm			
ARP M2ARP (Hole - 0.28)	06 (5.72)	1M	2M	3M	4M	5M	6M	—	—	—	—	None - Plain T - TiN (not available on M2 Pins) D - Rainbow DLC (Only for M2 Pins)	1.0	18.0
	08 (7.72)	1M	2M	3M	4M	5M	6M	7M	8M	—	—		1.0	24.0
	10 (9.72)	1M	2M	3M	4M	5M	6M	7M	8M	9M	0M		2.0	30.0
	12 (11.72)	1M	2M	3M	4M	5M	6M	7M	8M	9M	0M		2.0	36.0
	13 (12.72)	1M	2M	3M	4M	5M	6M	7M	8M	9M	0M		2.0	39.0
16 (15.72)	1M	2M	3M	4M	5M	6M	7M	8M	9M	0M	2.0	48.0		
19 (18.72)	1M	2M	3M	4M	5M	6M	7M	8M	9M	0M	2.0	38.0		

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Type	Coating	Tip Shape	D Head Dia. Callout (Actual)	A Lead Length (1 mm Inc.)	B Rad	C Rad		
						Tip A	Tip B	Tip C
ARPS M2ARPS (Hole - 0.28)	P - Plain T - TiN R - Rainbow DLC	A B C	06 (5.72)	10-60	1.0	18.0	9.0	D/2
			08 (7.72)	10-80		24.0	12.0	
			10 (9.72)			30.0	15.0	
			12 (11.72)	10-100	2.0	36.0	18.0	
			13 (12.72)	39.0		19.5		
			16 (15.72)	48.0		24.0		
19 (18.72)	38.0	19.0						

**Part Number Example**

Standard

Type	D	A	Coating
ARP	19	2M	
ARP	10	9M	T
M2ARP	6	4M	
M2ARP	8	6M	D

Configurable

Type	Coating	Tip Shape	D	A
ARPS	P	B	06	A59
ARPS	T	A	16	A69
M2ARPS	P	C	16	A65
M2ARPS	R	A	08	A30

