

SMT Type Fastener

Q-FLEX HAS DEVELOPED LOTS OF SMT TYPE STANDOFF,SPACER,NUT FOR CLIENT OPTION,WHICH IS TAPING AND REEL PACKAGE INSTEAD OF TRADITIONAL FASTENER,NOT ONLY SAVE THE DESIGN AND COST OF ASSEMBLY BUT ALSO DECREASE MORE LABOR POWER,ESPECIALLY EASY TO DESIGN IN TINY AND SLIM TYPE ELECTRONIC PRODUCT BY DESIGNER.

FEATURE :

- MATERIAL : BRASS / CARBON STEEL
- ELECTROPLATED : TIN / AU PLATED
- PACKAGE : TAPING & REEL PACKING / BULK TYPE PACKING
- KAPTON TAPE ATTACHED TO THE HOLE OF SMT FASTENER FOR SMT NOZZLE PICK AND PLACE

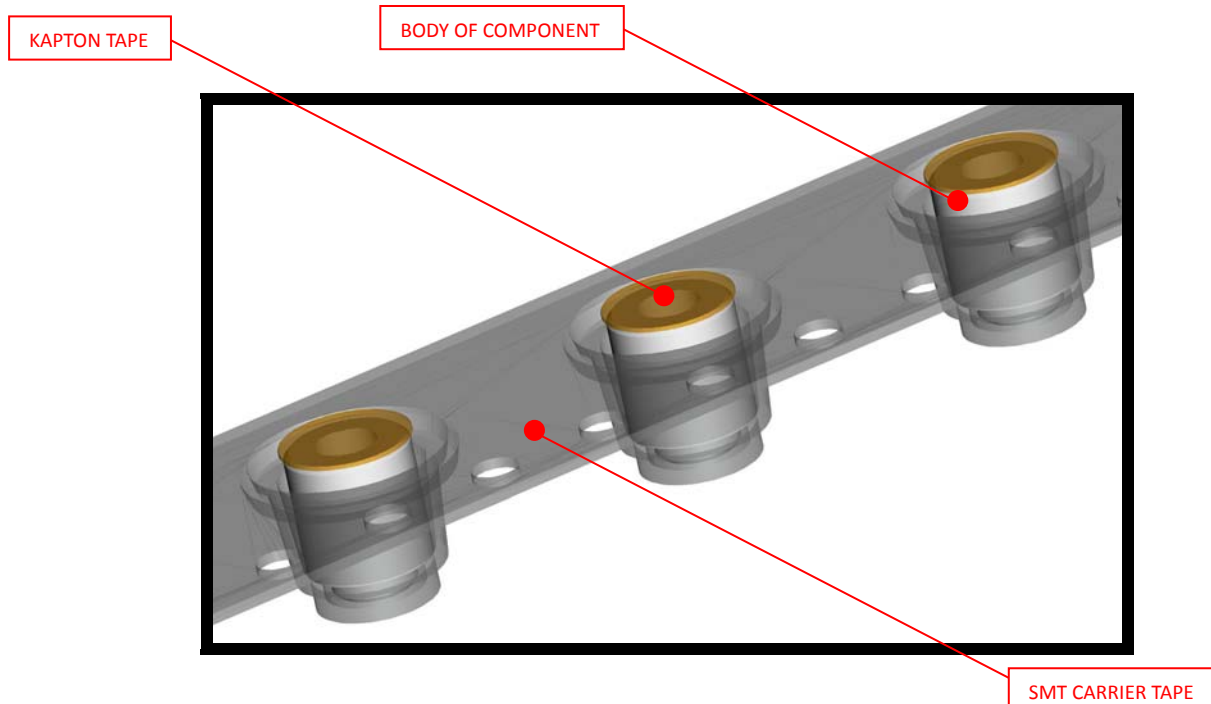
BENEFITS :

- EASY TO ASSEMBLY
- FASTENER MASS PRODUCTION
- SAVE LABOR POWER
- PRECISION POSITION ON PCB
- EASY TO DESIGN FOR TINY AND SLIM PRODUCT
- REDUCED WEAKNESS CONDITION OF PCB

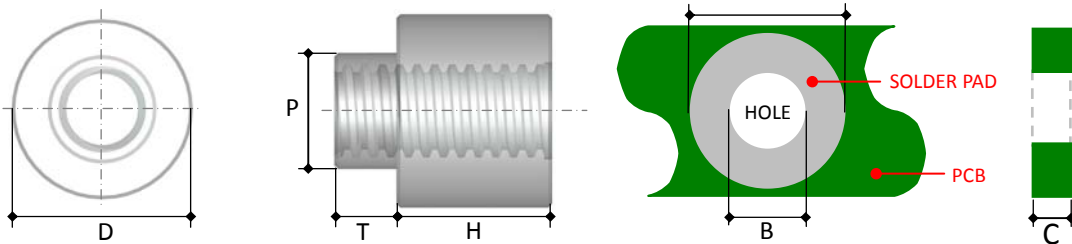
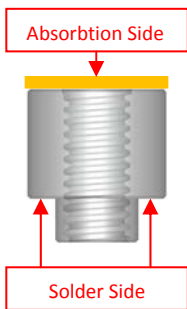


PART NO DEFINITION :

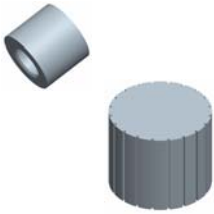
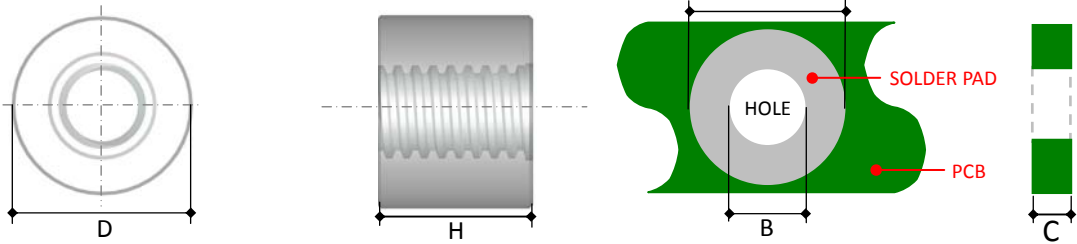
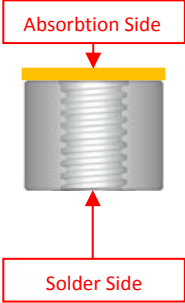
<u>A</u> TYPE	<u>B1 B2 B3</u> HEIGHT(ABOVE PCB)	<u>C1 C2</u> DIAMETER (MAX)	<u>D1 D2</u> THREAD SIZE	<u>E</u> THREAD TYPE	<u>F</u> ELECTROPLATED
N : NUT	40 : 4.0mm	40 : 4.0mm	25 : M2.5	A : THROUGH HOLE WITH THREAD	NULL : Sn
S : STANDOFF & SPACER	120 : 12.0mm	70 : 7.0mm	20 : M2.0	C : THROUGH HOLE WITHOUT THREAD	G : AU
			16 : M1.6		
			30 : M3.0		
			40 : M4.0		



STANDARD : METRIC UNIT : mm

PHOTO	DIAGRAM									
										
THREAD SIZE	STANDARD PART SIZES	D Max Dia	P Thr Hole Dia	T Thr Hole Depth	H Height above PCB	A Solder Pad Dia	B Hole Dia	C PCB Thickness	Remark	
M1.2 X 0.25P		2.50	2.00	1.00	0.90	2.50	2.20	1.10		
M1.6 X 0.35P		3.50	2.40	0.85	0.90	3.50	2.60	0.90		
		3.40	2.20	0.80	1.40	3.40	2.40	0.90		
		3.40	2.30	0.50	2.10	3.40	2.50	0.90		
		3.20	2.20	0.80	3.00	3.20	2.40	0.90		
M1.8 X 0.35P		3.00	2.40	0.90	3.35	3.00	2.60	1.00		
M2.0 X 0.40P		3.60	2.90	1.00	1.00	3.60	3.10	1.10		
		3.60	2.90	2.55	1.00	3.60	3.10	NA		
		5.00	3.90	3.10	1.00	5.00	4.00	NA		
		4.50	2.80	1.60	1.40	4.50	3.00	1.60		
		4.70	3.00	0.95	1.40	4.70	3.30	1.00		
		5.20	4.00	1.00	1.50	5.20	4.20	1.00		
		5.00	2.90	1.00	1.90	5.00	3.10	1.00		
		5.00	3.60	1.00	2.00	5.00	3.80	1.00		
		5.00	2.90	1.15	2.10	5.00	3.10	1.20		
		4.50	3.20	1.20	2.50	4.50	3.40	1.20		
		4.00	2.70	0.90	3.00	4.00	2.90	1.00		
		4.00	2.90	1.60	6.50	4.00	3.10	1.60		
		4.00	2.90	1.60	8.00	4.00	3.10	1.60		
		4.00	2.90	1.10	3.50	4.00	3.10	1.20		
		5.00	2.90	3.10	4.30	5.00	3.10	NA		
		4.00	2.90	1.10	4.70	4.00	3.10	1.20		
		4.00	2.90	1.50	5.00	4.00	3.1	1.60		
		3.90	2.90	1.20	5.60	5.00	3.10	1.20		
	M2.5 X 0.45P		5.00	3.90	1.20	6.30	5.00	4.10	1.20	
			5.00	2.90	1.20	0.50	5.00	3.10	1.20	
		6.00	4.00	0.90	1.20	6.00	4.20	1.00		
		5.00	3.60	1.10	2.00	5.00	3.80	1.20		
		5.00	3.40	1.15	2.30	5.00	3.60	1.20		
		5.00	3.90	1.20	3.15	5.00	4.10	1.20		
		6.00	4.00	1.10	4.00	6.00	4.20	1.20		
		5.00	4.00	1.20	4.60	5.00	4.20	1.20		
		6.00	4.00	1.10	5.20	6.00	4.20	1.20		
		5.00	4.00	1.10	5.60	5.00	4.20	1.20		
		5.00	3.60	1.00	3.00	5.00	3.80	1.00		
		5.00	3.60	1.10	4.00	5.00	3.80	1.20		
		4.50	3.40	1.10	4.50	4.50	3.60	1.20		
		5.00	3.90	1.10	4.60	5.00	4.10	1.20		
		5.00	3.60	1.20	4.90	4.00	3.10	1.20		
		5.00	3.60	1.20	5.50	5.00	3.80	1.20		
M3.0 X 0.5P		4.50	3.50	1.10	6.65	4.50	3.70	1.20		
		3.90	2.90	1.20	8.50	3.90	3.10	1.20		
		5.00	3.60	1.50	4.00	5.00	3.80	1.60		
		5.00	3.60	1.50	11.00	5.00	3.80	1.60		
		6.00	4.50	1.50	4.20	6.00	4.70	1.60		
		5.50	4.00	1.20	10.00	5.50	4.20	1.20		
M3.5 X 0.6P		6.00	4.50	1.50	12.00	6.00	4.70	1.60		
M3.5 X 0.6P		7.14	4.50	1.10	3.18	7.14	4.70	1.20		
SMT PACKING INFORMATION										
Absorbtion Side  Solder Side * The Kapton tape is attached to the top hole of SMT fastener for SMT nozzle pick and place process * 7" or 13" plastic disk										

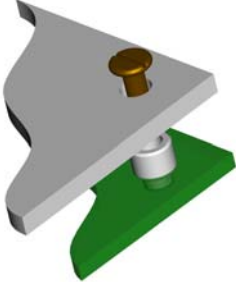
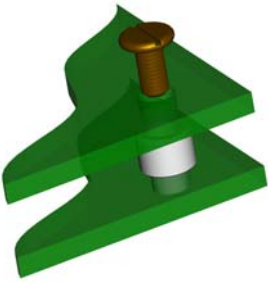
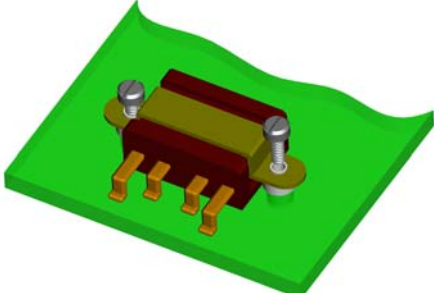
STANDARD : METRIC UNIT : mm

PHOTO		DIAGRAM					
							
THREAD SIZE	STANDARD PART SIZES	D Max Dia	H Height above PCB	A Solder Pad Dia	B Hole Dia	C PCB Thickness	Remark
M1.2 X 0.25P		3.00	3.10	3.00	1.40	NA	
M1.6 X 0.35P		3.40	1.50	3.4	1.80	NA	
SMT PACKING INFORMATION							
		* The Kapton tape is attached to the top hole of SMT fastener for SMT nozzle pick and place process * 7" or 13" plastic disk					

Note :

- 1. Standard parts and customized design project are all welcomed !!!
- 2. The lead time of prototyping sample will be about 1~2 weeks not including SMT carrier tape.

SMT fastener application

		
CASE TO PCB	PCB TO PCB	COMPONENT TO PCB

APPLICATIONS

- CASE TO PCB : Easy to fix the PCB with SMT nut and save the labor power.
- PCB TO PCB : To shield the upper PCB and lower PCB for short circuit situation.
- OMPONENT TO PCB : To fix component on the PCB,like connector,heatsink.....etc.

APPLICATION PHOTOS



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