



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

Specifications:
 Insulator Material:High Temp,Thermoplastic,UL94V-0 Board Lock Material:Brass
 Contact Material:Phospher Bronze
 Contact Plating:Au (1 μ"/ 5 μ"/ 30 μ" Min.) on Contact Area.
 Au (1 μ" Min.) or Sn (100 μ" Min.) on Solderetail.
 Nickle (Contact - 80 μ" Min. / Solderetail - 50 μ" Min.)
 Board Lock Plating: Sn(100 μ" Min.) over Nickel (40 μ" Min.)
 Current Resistance:1.2A Max. Volage-Withstand:500V AC For 1 Minute
 Conductor Resistance:Max:25mΩ Insulation Resistance:Min:1000MΩ Min
 Operating Temp.: -55° C ~ +125° C
 Max.Processing Temp.:230° C for 30~60 seconds. 260° C for 10 seconds.
 Durability Test:500 mating cycles Insertion Force:0.8N Max. (Per Contact)
 Withdrawal Force:0.4N Min. (Per Contact)

ORDERING CODE:

ATK-SMC02 XX XX X X

Series NO.
1.27 SMC Female Connector
Vertical SMT Type

CONTACT POSITION
See DIM-TABLE.

Packing Standing Height:
 A:Tray A: 6.25 , X=1.05
 B:Bag B: 9.05 , X=3.85
 C: 13.65 , X=8.45
 U:Tube+CAP
 R:Tape&Reel
 W:Tape&Reel+CAP

Contact Plating:
 G0:Gold flash S0:Selective
 G1:3U" Gold S1:Selective 3u"
 G2:5u" Gold S2:Selective 5u"
 G3:10u" Gold S3:Selective 10u"
 G4:15u" Gold S4:Selective 15u"
 G5:30u" Gold S5:Selective 30u"
 SN:Tin

DIM-TABLE

PIN NO.	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
12	12.70	8.37	6.35	9.37	10.77	11.34	10.57
16	15.24	10.91	8.89	11.91	13.31	13.88	13.11
20	17.78	13.45	11.43	14.45	15.85	16.42	15.65
24	20.32	15.99	13.97	16.99	18.39	18.96	18.19
26	21.59	17.26	15.24	18.26	19.66	20.23	19.46
30	24.13	19.80	17.78	20.80	22.20	22.77	22.00
32	25.40	21.07	19.05	22.07	23.47	24.04	23.27
40	30.48	26.15	24.13	27.15	28.55	29.12	28.35
50	36.83	32.50	30.48	33.50	34.90	35.47	34.70
68	48.26	43.93	41.91	44.93	46.33	46.90	46.13
80	55.88	51.55	49.53	52.55	53.95	54.52	53.75

Unless Otherwise specified tolerance
 X. ±0.35 X.XX:±0.20
 X.X:±0.25 X.XXX:±0.15

SCALE: As Shown UNIT: mm
 DRAW ZLA DATE 24/10/2022
 CHECK BobYang DATE 24/10/2022
 VER. A0

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TITLE:
1.27 SMC Female Connector Vertical SMT Type

DRAWING NO: ATK-SMC02XXXXX

PRODUCT NO: ATK-SMC02XXXXX

REV	DESCRIPTION	DATE
1		
2		
3		
4		
5		