

RECOMENDED PCB LAYOUT
TOLERANCE:±0.05

ORDERING CODE:

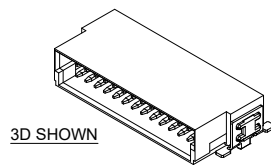
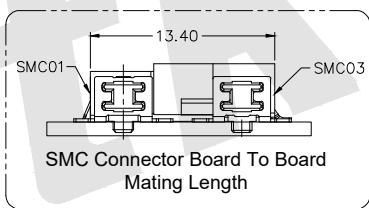
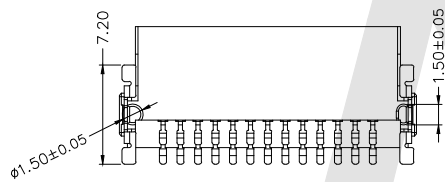
ATK-SMC03 XX XX X

SERIES NO.
1.27 SMC Female Connector
Right Angle SMT Type

CONTACT POSITION
See DIM-TABLE.

Packing
A:Tray
B:Bag
T:Tube
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	8.57	6.35	9.57	10.77	11.34	10.37
16	15.24	11.11	8.89	12.11	13.31	13.88	12.91
20	17.78	13.65	11.43	14.65	15.85	16.42	15.45
26	21.59	17.46	15.24	18.46	19.66	20.23	19.26
30	24.13	20.00	17.78	21.00	22.20	22.77	21.80
32	25.40	21.27	19.05	22.27	23.47	24.04	23.07
40	30.48	26.35	24.13	27.35	28.55	29.12	28.15
50	36.83	32.70	30.48	33.70	34.90	35.47	34.50
68	48.26	44.13	41.91	45.13	46.33	46.90	45.93
80	55.88	51.75	49.53	52.75	53.95	54.52	53.55

Specifications:

Insulator Material:High Temp,Thermoplastic,UL94V-0 Board Lock Material:Brass
Contact Material:Phosphor Bronze
Contact Plating: Au (1μ"/ 5μ"/ 30μ" Min.) on Contact Area.
Au (1μ" Min.) or Sn (100μ" Min.) on Solder tail.
Nickel (Contact - 80μ" Min. / Solder tail - 50μ" Min.)
Board Lock Plating: Sn(100μ" Min.) over Nickel (40μ" 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)

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	

Atkonn® ATKCONN ELECTRONICS CO., LTD
Http://www.atkonn.com

TITLE:
1.27 SMC Male Connector Right Angle SMT Type

DRAWING NO: ATK-SMC03XXXXX

PRODUCT NO: ATK-SMC03XXXXX

REV	DESCRIPTION	DATE
1		