

RC4C2 - Top-of-Stack Flex Circuit Mating Connector (Male)

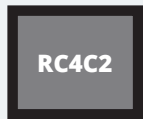
This full-profile, flex-circuit-ready male connector is used at the top of an RC board stack application.
Contact spacing: 0.075" (1.91mm)

DIMENSIONS

TABLE 1			
SIZE	A	B	C
28	1.014	0.784	0.450
52	1.464	1.234	0.900
76	1.914	1.684	1.350
100	2.364	2.134	1.800
128	2.889	2.659	2.325
152	3.339	3.109	2.775

Tolerances: ± 0.010"

Sample Part Number Format: RC4C2-052-151-5700



SERIES
AirBorn RC Stackable
Compliant
Full-Profile
Four rows
0.075" Spacing
Top-of-Stack
Cable Mate



CONFIGURATION
028 – Four rows/7
Columns
052 – Four rows/13
Columns
076 – Four rows/19
Columns
100 – Four rows/25
Columns
128 – Four rows/32
Columns
152 – Four rows/38
Columns



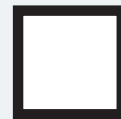
CONTACT
15 – Pin, flex circuit



PLATING
1 – 50 μ inches
Au



HARDWARE
00 – None
57 – Guide pin, non-
polarized
61 – Jackscrew, hex, turning*



TYPE
00 – None



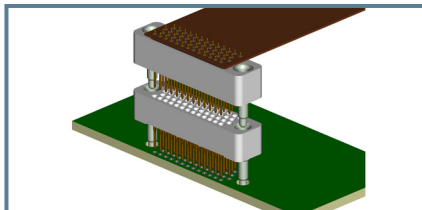
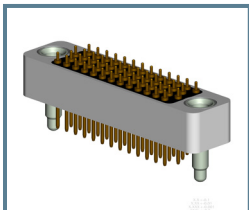
VARIATION
Blank – None
XXX – Consult
factory



PLEASE CONSULT THE MOLEX WEBSITE FOR THE LATEST REVISION OF THIS DOCUMENT PRIOR TO BEGINNING ANY DESIGN WORK.

MATED HEIGHT

Connector body height is 0.325" and is designed to mount flush to the mating connector.



NOTES

* To use the -61 jackscrew hardware option, the fixed jacknut hardware (-XXFT) must be in place on the mating board connector.

MATERIALS and FINISHES

Contact:BeCu per ASTM B196 or B197 (BeCu alloy 172 or 173)
Contact Finish: Gold per MIL-G-45204 over nickel per QQ-N-290
Molded Insulator: Glass-filled polyphenylene sulfide (PPS) per MIL-M-24519
Hardware:Stainless steel per ASTM A484/A484M and ASTM A582/A582M,
Passivated per SAE AMS-2700

NOTE:Molex can manufacture special configurations to your exact specifications.

PERFORMANCE

Contact Rating: 3 amperes
Operating Temperature: -65° C to +125° C
Insulation Resistance: 5,000 megaohms minimum at 500 VDC
Durability: 500 connector mating cycles
Contact Resistance: 3 to 5 milliohms (contact length dependent)
Contact Engagement Force: 4.0oz (113 g) max. with 0.0246" dia. test pin
Contact Separation Force: 0.5oz (14 g) min. with 0.0226" dia. test pin

RC4C2F-PNB-1G