



RC4C2 - Top-of-Stack Cable Mating Connector (Male)

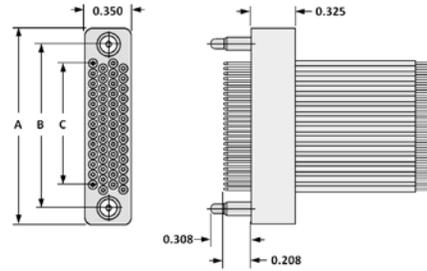
Contact spacing: 0.075" (1.91 mm)

A full profile bodied male pre-wired cable connector for use at the top of an RC board stack application.

DIMENSIONS

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: RC4C2-052-181-57ED



SERIES
 Stackable
 Compliant
 Full-Profile
 4 Rows
 0.075" Spacing
 Top-of-Stack
 Cable Mate



CONFIGURATION
 028 – 4 Rows/7 Columns
 052 – 4 Rows/13 Columns
 076 – 4 Rows/19 Columns
 100 – 4 Rows/25 Columns
 128 – 4 Rows/32 Columns
 152 – 4 Rows/38 Columns



CONTACT
 18 – Pin, crimp, 26-24 AWG
 19 – Pin, crimp, 30-28 AWG



PLATING
 1 – 50 μ" Au



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



TYPE
 XX – See Wire Codes



VARIATION
 Blank – None
 XXX – Consult factory

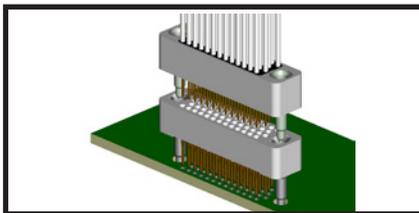
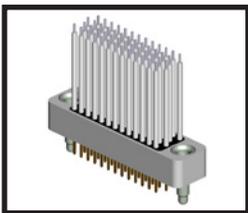
WIRE CODES

TYPE and COLOR			LENGTH	
Code	Size	Color	Code	Length (+1"/-0")
Mil-W-16878/4				
C	24 awg	Ten repeating	A	6"
D	24 awg	White	B	12"
E	26 awg	Ten repeating	C	18"
F	26 awg	White	D	24"
G	28 awg	Ten repeating	E	30"
H	28 awg	White	F	36"
J	30 awg	Ten repeating	G	42"
K	30 awg	White	H	48"
Mil-W-22759/33				
N	24 awg	Ten repeating	J	54"
P	24 awg	White	K	60"
R	26 awg	Ten repeating	L	66"
S	26 awg	White	M	72"
T	28 awg	Ten repeating	N	84"
U	28 awg	White	P	96"
V	30 awg	Ten repeating	R	108"
W	30 awg	White	S	120"

PLEASE CONSULT THE AIRBORN 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.



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: AirBorn 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 @ 500 VDC
 Durability: 500 connector mating cycles
 Contact Resistance: 3 to 5 milliohms (contact length dependent)
 Contact Engagement Force: 4.0 oz (113 g) max. w/0.0248" dia. test pin
 Contact Separation Force: 0.5 oz (14 g) min. w/0.0226" dia. test pin

NOTES

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