

Features

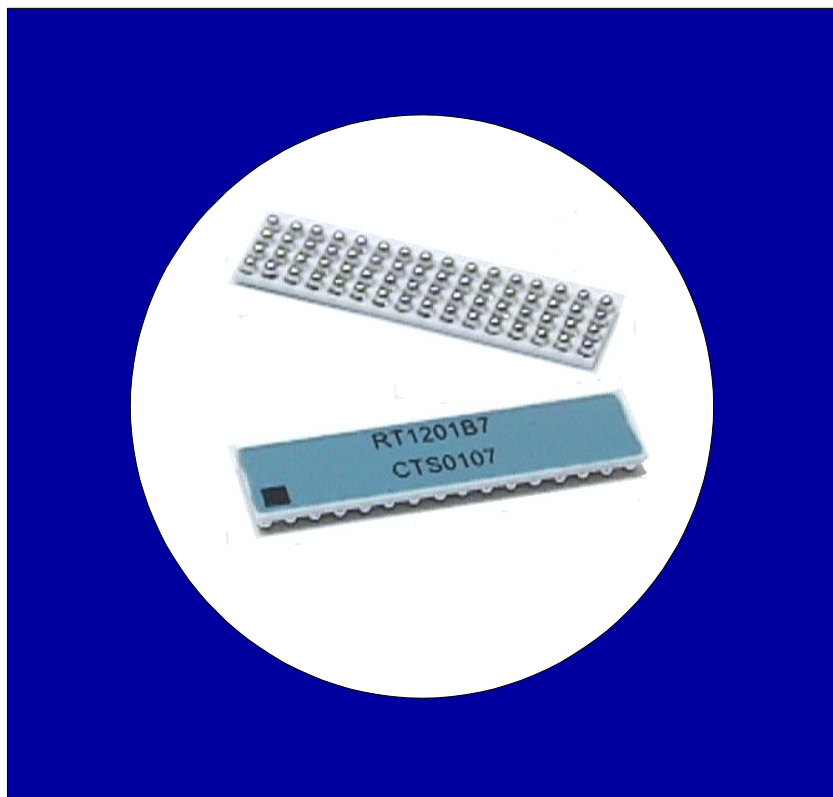
- 16 or 32 Bit Terminators
- Ultra Low Channel Capacitance
- 10 Ohm Trimmed Resistance to 5%
- Slim BGA Package

Description

This CompactPCI termination network provides high performance resistor termination for high-speed data busses.

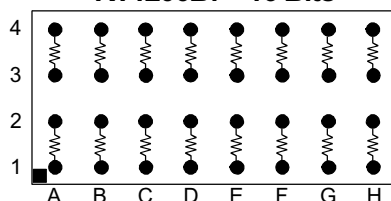
Designed with a ceramic substrate, this device virtually eliminates channel capacitance, a primary cause of reduced system performance. In addition, the BGA package eases routing design, saving the designer many hours of printed circuit layout.

The BGA packaging has been proven to reduce rework and improve reliability.

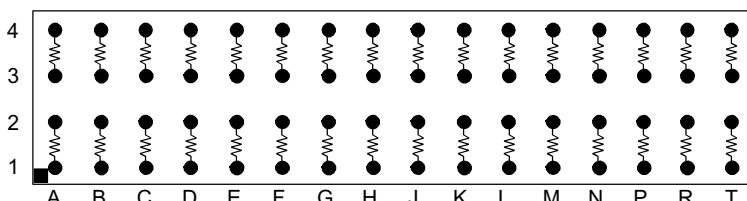


Custom resistor values and tolerances available upon request.

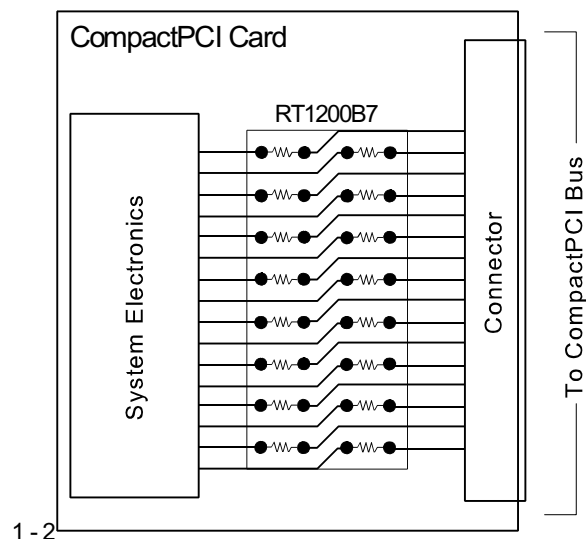
RT1200B7 - 16 Bits



RT1201B7 - 32 Bits



Typical Application



Ordering Information

Part Number	R1 ohms	# Bits	Array Size	Pitch(mm)
RT1200B7	10	16	4 x 8	1.00
RT1201B7	10	32	4 x 16	1.00

Tape and Reel Packaging

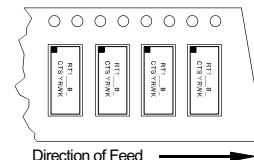
TR13 Suffix	
Tape Width	24 mm
Carrier Pitch	8 mm
Reel Diameter	13 inch
Parts/Reel	4,000
TR7 Suffix	
Tape Width	24 mm
Tape Pitch	8 mm
Reel Diameter	7 inch
Parts/Reel	1,000

Part Number Coding

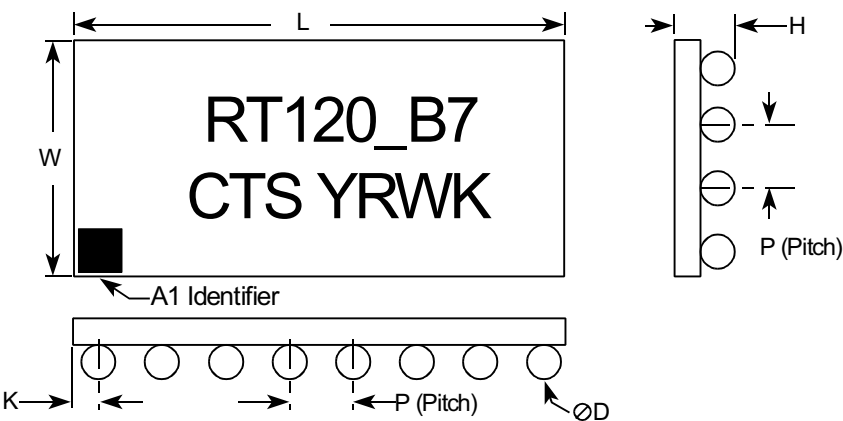
7 inch reel, Add TR7 to part number, example RT1200B7TR7

13 inch reel, Add TR13 to part number, example RT1200B7TR13

(Bulk packaging is not available)

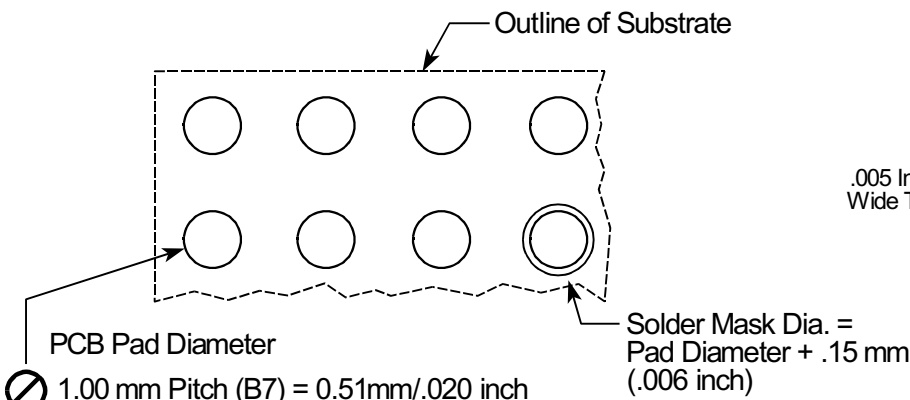


Mechanical Diagram

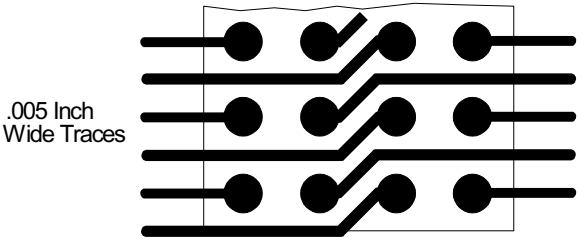


1.00 mm Pitch		L	W	H	P	D	K	Co-planarity
RT1200B7	mm	8.00±0.15	4.00±0.15	1.19±0.15	1.00±0.25	0.64±0.05	0.50±0.25	0.15
	inch	.315±.006	.157±.006	.047±.006	.039±.010	.025±.002	.020±.010	.006
RT1201B7	mm	16.00±0.15	4.00±0.15	1.19±0.15	1.00±0.25	0.64±0.05	0.50±0.25	0.15
	inch	.630±.006	.157±.006	.047±.006	.039±.010	.025±.002	.020±.010	.006

Recommended Land Pattern



BGA Routing Scheme



Electrical Specifications

Resistor Tolerance:
±5.0%

Temperature Coefficient of Resistance:
±200 ppm/°C

Maximum Resistor Power:
0.05 Watts at 70°C

Operating Temperature Range:
-55°C to +125°C

Maximum Package Power:
RT1200B7 0.8 Watts at 70°C
RT1201B7 1.6 Watts at 70°C