



LVD SCSI Terminator Technical Data Sheet

RoHS Compliant Parts Available

Description

This LVD SCSI termination network is designed for high performance active termination of SCSI networks compliant to SPI-2 (Ultra2), SPI-3 (Ultra3) and beyond.

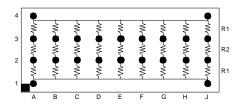
Designed with a ceramic substrate and a ball grid array interconnect, this device virtually eliminates channel capacitance and lead inductance, the primary cause of reduced system performance.

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

Features

- 9 Line LVD Termination Network
- Ultra2 and Ultra3 Compliant
- Low Channel Capacitance Less than 0.25pF
- BGA package reliability
- ±1% Resistor Tolerance
- Low Channel Cross Talk
- RoHS Compliant Designs Available
 - Compatible with both lead and lead-free manufacturing processes

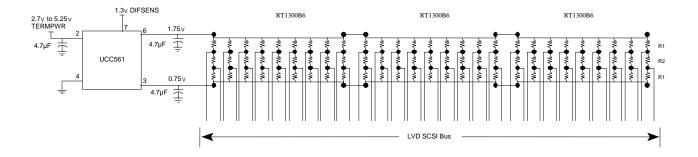
Style E Schematic Diagram



Electrical Specifications

Resistor Tolerance:	± 1.0%			
TCR	± 200ppm/°C			
Operating Temperature Range	-55°C to +125°C			
Maximum Resistor Power:	0.05 Watts at 70°C			
Maximum Package Power:	1.0 Watts at 70°C			
Process Requirements:				
Maximum Re-flow Temperature	Per IPC/JEDEC J-STD-020C			

LVD SCSI Active Termination Circuit



Ordering Information

Standard Part No.	R1 Ω	R2 Ω	Lines	Pitch (mm)	RoHS Part No.
RT1300B6*	475	121	9	1.27	RT2300B6*

*Indicates available Top Probe-able part numbers.
Refer to the following link for detailed Top Side Probe-able

www.ctscorp.com/components/clearone/TopProveClearOne.pdf

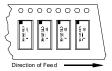
Packaging Information

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

Part Number Coding 7 inch reel, Add TR7 to part number, example RT2300B6TR7

13 inch reel, Add TR13 to part number, example RT2300B6TR13

(Bulk packaging is not available)

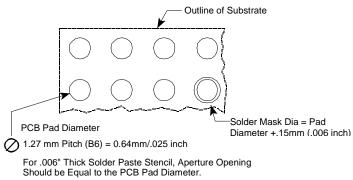


© 2006 CTS Corporation. All rights reserved. Information subject to change.

information:

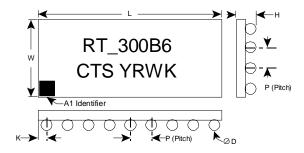


Recommended Land Pattern



Refer to $\underline{www.ctscorp.com/components/clearone.asp} \ for \\$ additional PCB design information

Mechanical Diagram



1.27mm	Pitch	L	W	Н	Р	D	K
RT1300B6	mm	11.43±0.15	5.08±0.15	1.32±0.15	1.27±0.25	0.76±0.05	0.64±0.25
RT2300B6	Inch	.450±.006	.200±.006	.052±.006	.050±.010	.030±.002	.025±.010

Complete ClearONE Product, Processing, and Application Information can be found at the following link:

http://www.ctscorp.com/components/clearone.asp