

.53 (PRESET POSITION)

.42 (TERMINATED)

CA

ATAS™

Interconnect

CONTACT 1

CONTACT 2

WELDED IN KEY

PLUG ON 20 (D)

MAXIMIZE THE PERFORMANCE OF YOUR DESKTOP PC WITH ATAS™

- Higher performance – An internal ground bus bar reduces noise at high transmission speeds through seven IDE grounds tied to interposing grounds, forming one superground bus.
- More reliable – Innovative design virtually eliminates signal crosstalk at speeds of 33 MB/s and higher in systems that support Ultra ATA/Ultra DMA.
- Faster – The ATAS connector's 80-conductor configuration enhances read/write speeds by 95% and 56%, respectively.

CA

ATA

Interconnect

APPLICATION

Cable assembly for desktop PC when implementing Ultra ATA/ Ultra DMA technology

DESCRIPTION

Ultra ATA Insulation Displacement

Cable Mount Receptacle with internal ground bus
All plastic shell

FEATURES

Cover/Retainer/Base system for ease of assembly
Retainer enables cable pre-alignment
Quick, accurate and reliable termination to 80 conductor PVC insulated conductors
One termination process for both signal and ground
Optional strain relief

PRODUCT SELECTION

Available as individual connector sets or 18" cable assembly

SPECIFICATIONS

ENVIRONMENTAL:

Temperature range: -55°C to +85°C

MECHANICAL:

Insulator Material:

Glass filled thermoplastic
UL94V-0

Contact Material: Phosphor Bronze

Plating:

Contact Area: 15u IN gold
I.D. Area: 90/10 tin/lead
Underplate: 75u IN nickel

Recommended Cable:

80 Conductor, .025 centerline, 30 AWG

ELECTRICAL:

Voltage rating: 30 vac
Current rating: .5 AMPS/conductor
Insulation resistance: 500 megohms EIA364-21
Current capacity of ground bus: 3.5 AMPS
Conforms to SFF-8049 electrical specification

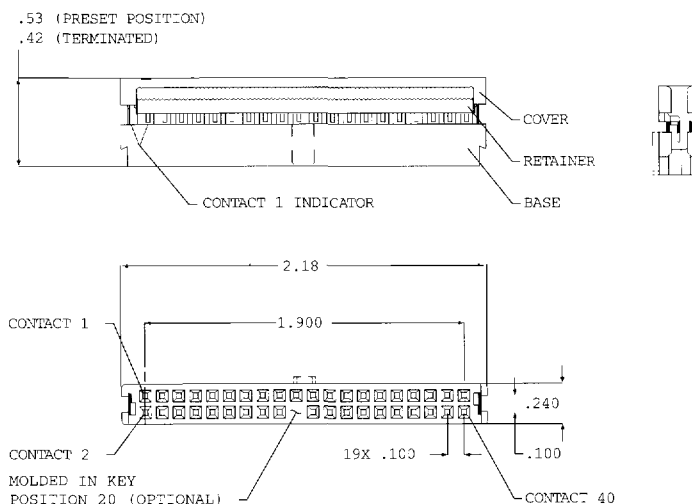
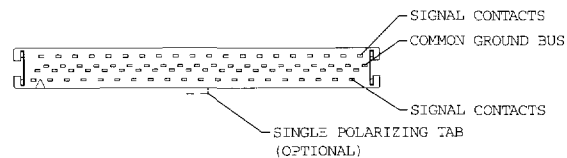
PHYSICAL:

Physical shock: 30G's EIA364-27
Durability: 500 cycles

CA PART NUMBERS

Pin #20 molded over/no tab	Pin#20 open/polarization tab
Connectors	
CA-40ATAS-C-101	CA-40ATAS-C-110
CA-40ATAS-C-201	CA-40ATAS-C-210
CA-40ATAS-C-301	CA-40ATAS-C-310
Cable Assemblies-18" assembly with 3 connectors	
CA-905110-xx	CA-905113-xx

xx=orientation of connectors



1xx

Systems board connector
Base and retainer color: Blue
Cover color: Black
IDC portion of contact 34 removed

2xx

Device 0 - Primary connector
Base, cover and retainer color: Black

3xx

Device 1 - Slave connector
Base and retainer color: Gray
Cover color: Black
IDC portion of contact 28 removed

Circuit Assembly Corp.

18 Thomas Street

Irvine, CA 92618-2777

714.855.7887

714.855.4298 FAX

<http://www.ca-online.com>

