

INTRODUCTION:

Adam Tech SATA & eSATA series Serial ATA connectors combine hot-plug capability with a combination of power and signal contacts in a blind-mate design. They are ideal for connecting disk drives to backplanes in servers or network equipment. Adam Tech SATA connectors are designed with differential-pair signaling technology and are precision manufactured to consistently perform at speeds up to 3.0 Gbits/s.

FEATURES:

Meets SCA Interconnection Standards
40P Fiber Channel and 80P SCSI compatible
Interchangeable Industry Standard Design

MATING CONNECTORS:

Adam Tech SATA & eSATA series plugs and all industry standard SATA plugs.

SPECIFICATIONS:

Material:

Insulator: Hi-Temp thermoplastic, glass filled, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Plating:

Gold over nickel underplate on mating area, tin over copper underplate on tails

Electrical:

Operating Voltage: 30V AC
Current Rating: 1.5 Amps Max.
Contact Resistance: 30 mΩ Max. initial
Insulation Resistance: 1000 MΩ Min.
Dielectric Withstanding Voltage: 500V AC for 1 Minute

Mechanical:

Insertion force: 10.20 lbs max.
Withdrawal force: 2.25 lbs min.

Temperature Rating:

Operating Temperature: -55°C to +85°C
Soldering process temperature: 260°C

PACKAGING:

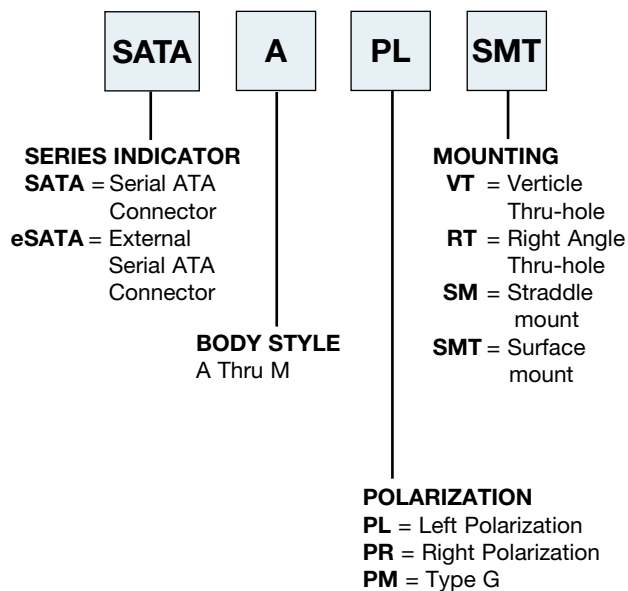
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



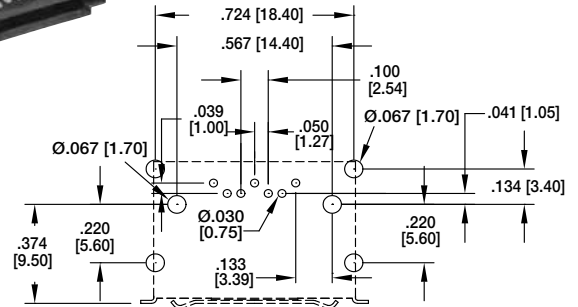
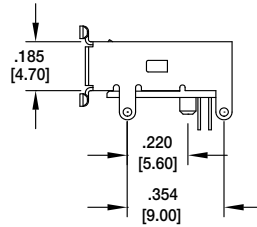
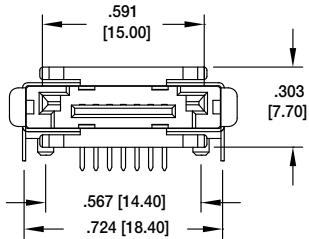
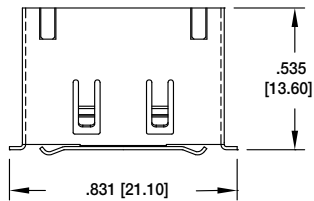
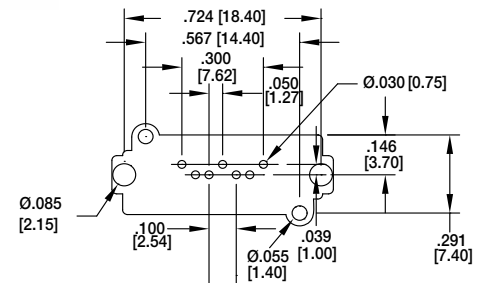
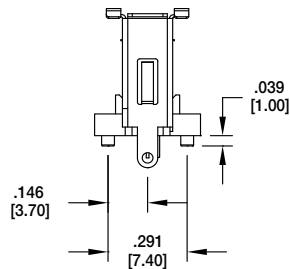
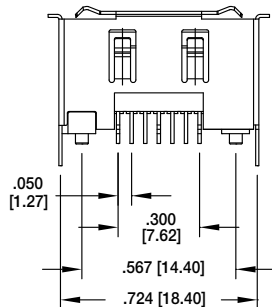
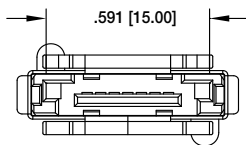
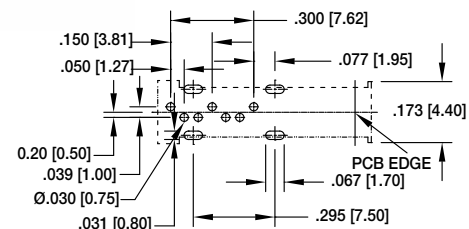
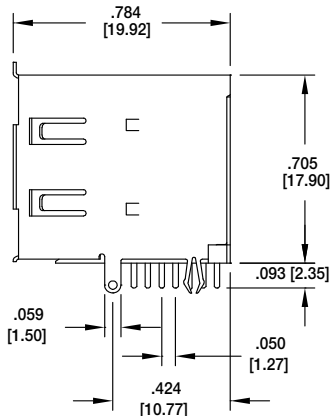
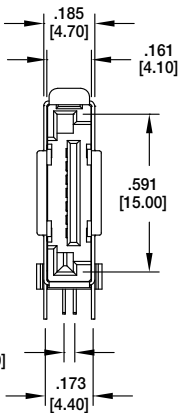
ORDERING INFORMATION



OPTIONS:

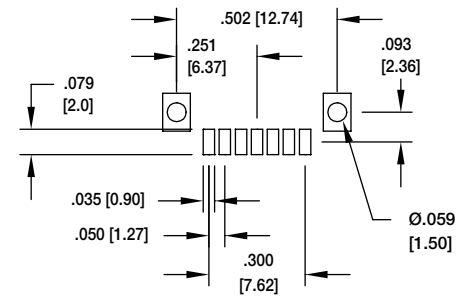
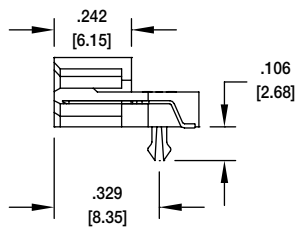
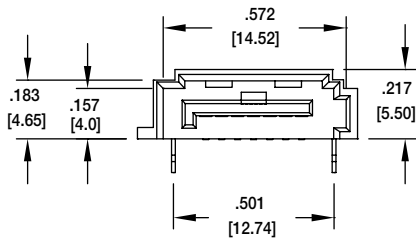
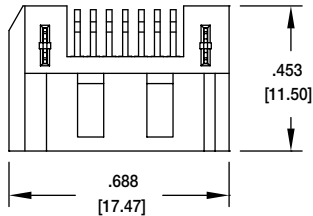
Add designator(s) to end of part number

K = Key
S = Side slots (type D)
30 = 30 μin gold plating in contact area
P = Locating Pegs

**ESATA-W-NP-RA****SATA-W-NP-VT****SATA-W-NP-RU**

SATA-A SINGLE R/A SMT

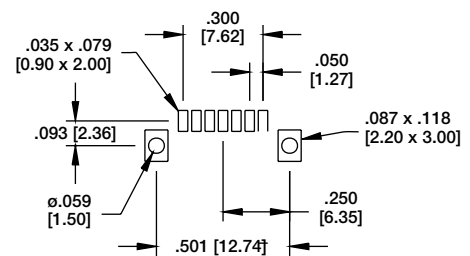
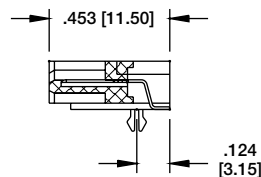
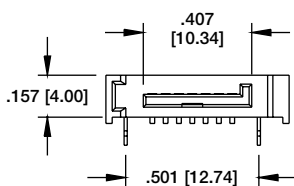
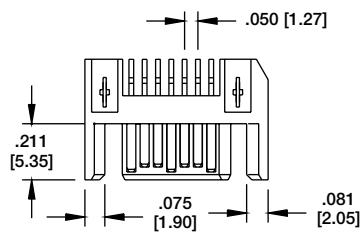
SATA-A-PL-SMT-K



Recommended PCB Layout

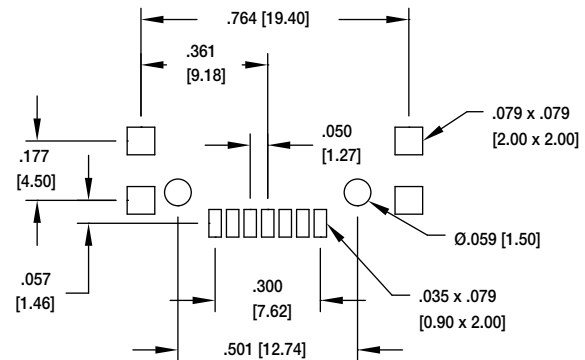
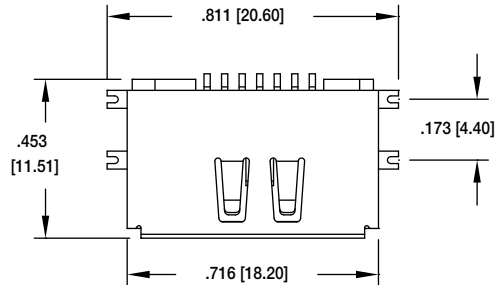
SATA-C SINGLE R/A SMT

SATA-C-PR-SMT-K

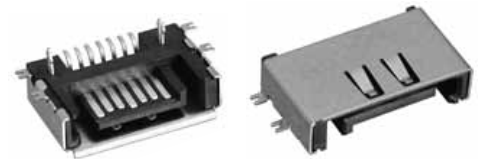
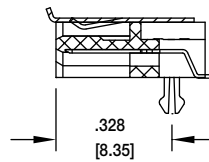
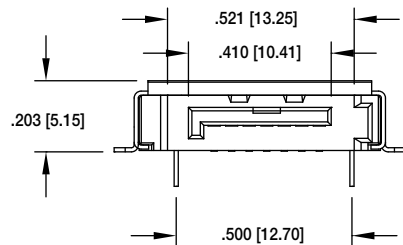


Recommended PCB Layout

SATA-B SHIELDED, R/A, TRUE SMT

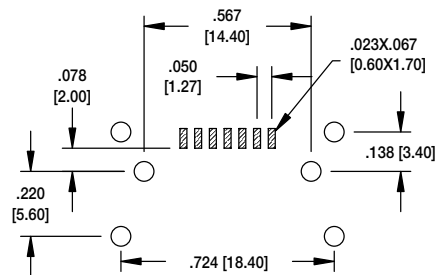
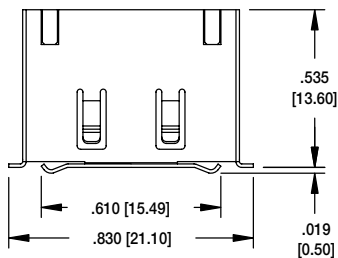


Recommended PCB Layout

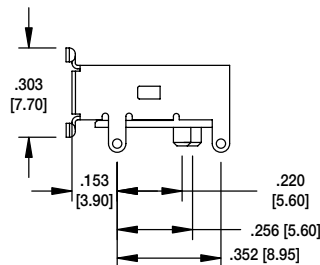
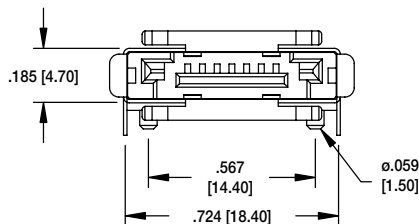


SATA-B-PL-SMT-K

SATA-J SHIELDED, R/A, SMT

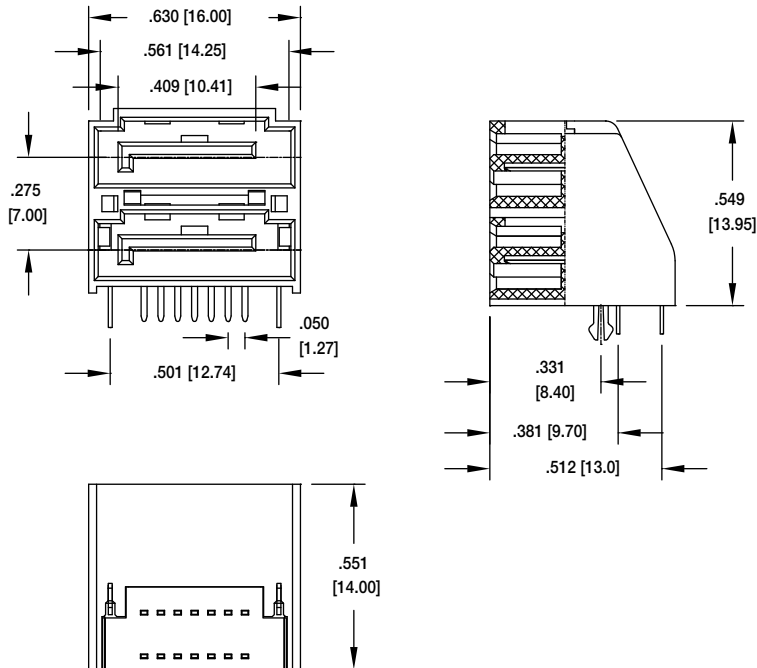


Recommended PCB Layout

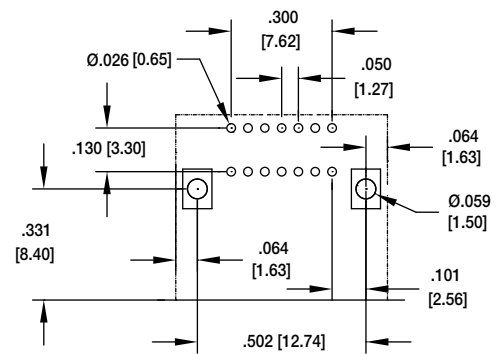


SATA-J-NP-SMT-P-S-PG

SATA-D DUAL STACKED, SMT

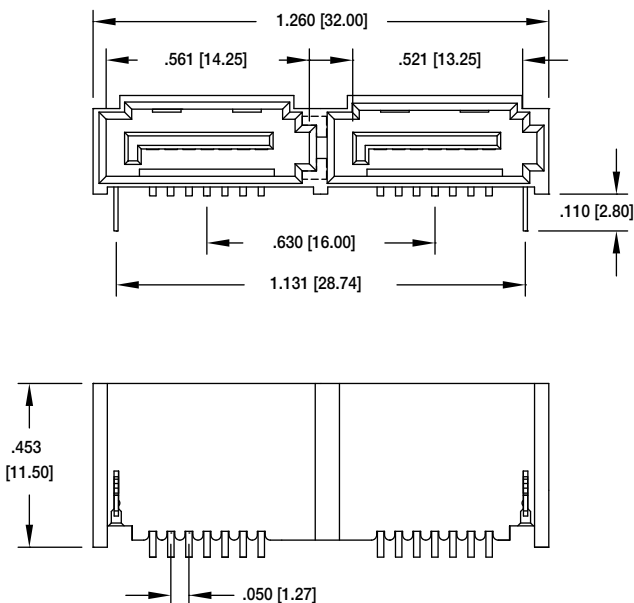


SATA-D-PL-RT

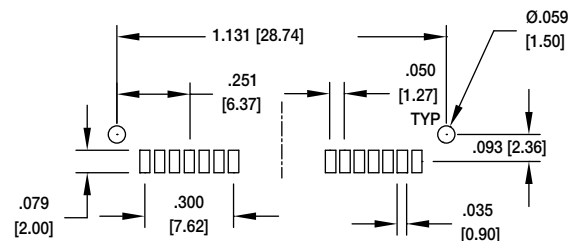
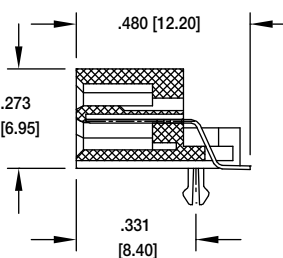


Recommended PCB Layout

SATA-E DUAL, SIDE BY SIDE THRU-HOLE

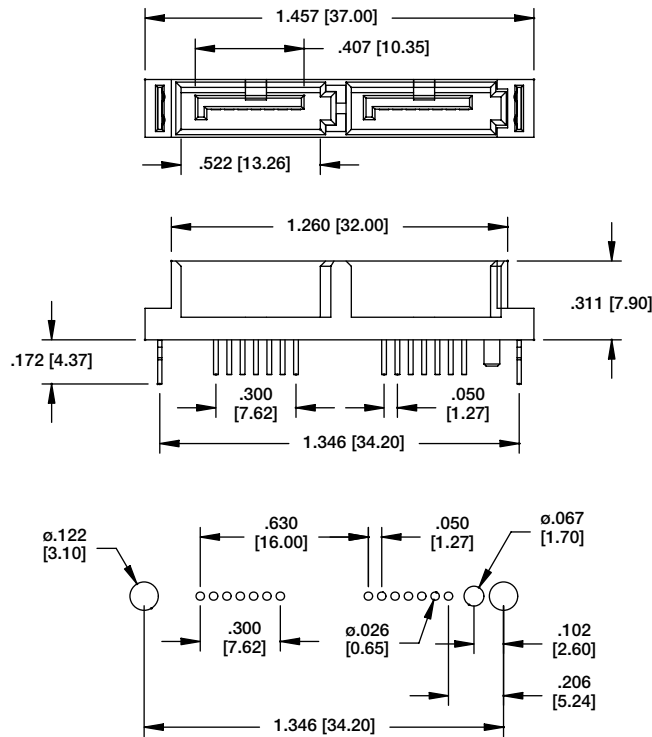


SATA-E-PR-SMT-K



Recommended PCB Layout

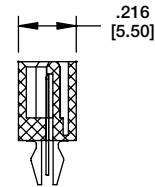
SATA-F DUAL VERTICAL THRU-HOLE



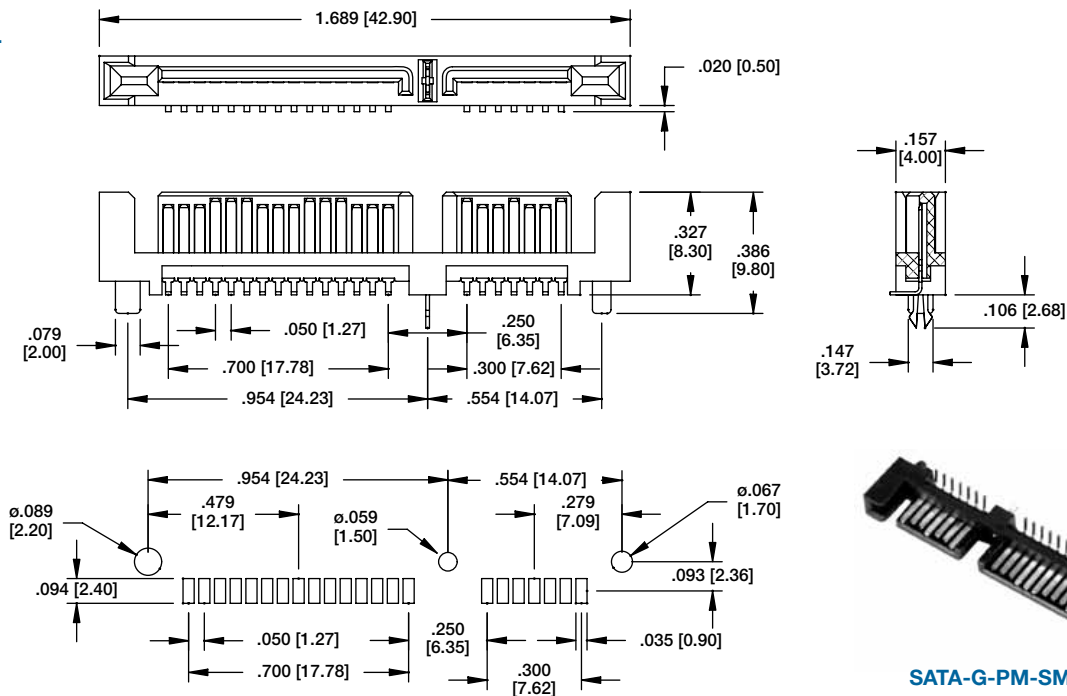
Recommended PCB Layout



SATA-F-PL-VT-K-P



SATA-G DUAL VERTICAL SMT

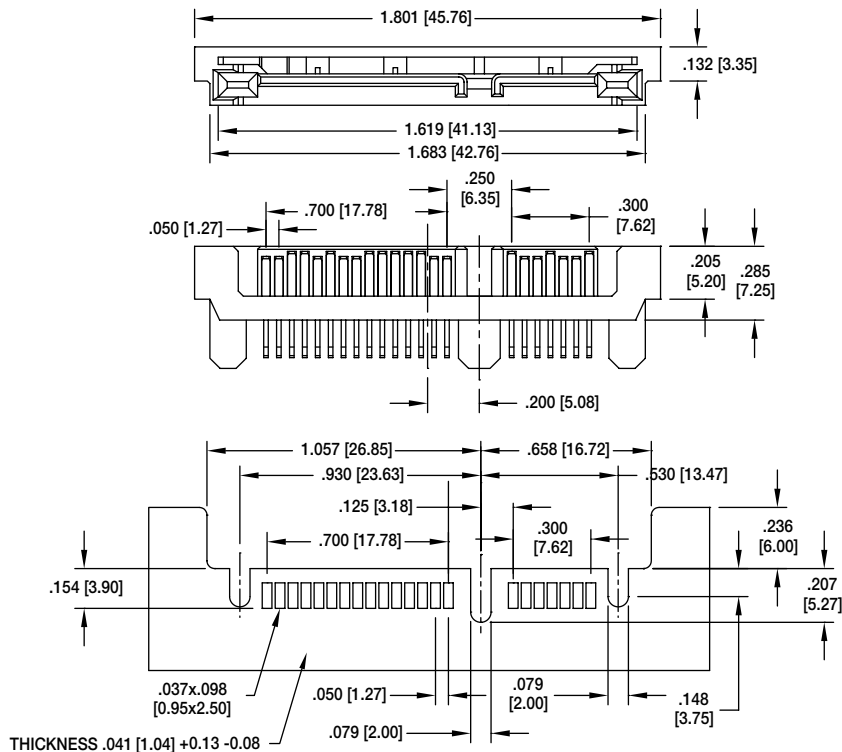


Recommended PCB Layout

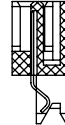


SATA-G-PM-SMT

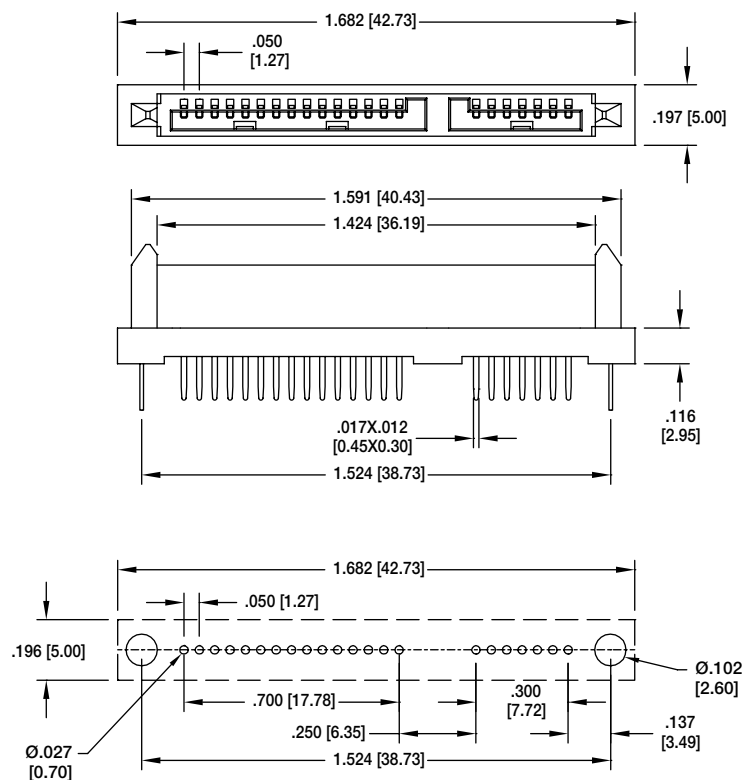
SATA-M
DUAL VERTICAL
THRU-HOLE



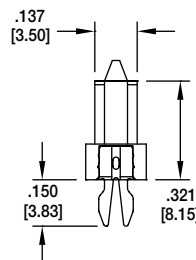
Recommended PCB Layout



SATA-M-PM-SMT



Recommended PCB Layout



SATA-G-PM-VT