

STORAGE INTERFACE SOLUTIONS PART 1



The 29 Position SAS Receptacle and Plug connectors enable high-speed SAS interface up to 6 Gb/s. FCI's SAS product range supports hot plugging, blind-mating of HDDs and feature retention clips that provide additional mechanical strength for robust PCB attachment. For complete SAS product range selection, please consult FCI or visit www.fciconnect.com

FEATURES & BENEFITS

- For high-speed serial storage interfaces of up to 6 Gb/s
- 29-position SAS connectors enable SFF-8482 HDD interface
- Provide dual signal ports (7 contacts/port) and 15 contacts for power
- SAS receptacles also accept SATA drives
- Designed to support hot-plugging and blind-mating of HDDs
- Connector retainers provide additional mechanical strength after soldering
- RoHS-compliant and compatible with lead-free processing temperatures

SERIAL-ATTACHED SCSI CONNECTORS

- SAS Vertical Receptacles
- SAS Right-Angle Receptacles
- SAS Headers



TARGET MARKETS / APPLICATIONS

Data

- Servers & storage blades
- External storage systems
- SSDs, HDDs & HDD carriers

STORAGE INTERFACE SOLUTIONS PART 1



SAS Solutions Matrix (including 6 Gb/s)

SAS Vertical Receptacle

Partnumber	Termination Type			Other Features	Remarks
	Power	Port 2	Port 1		
10018182	thru-hole, in-line footprint			with forklock retainers	meet 6 Gb/s
10039748	thru-hole, staggered footprint			wide base with forklock retainers	
10045665	thru-hole staggered footprint			wide base with molded posts and SMT retainers	
10036876	thru-hole, staggered	SMT	signal: SMT ground: thru-hole	wide base with molded posts and solder tab retainers, hybrid termination	meet 6 Gb/s
10036312	thru-hole, in line	SMT	thru-hole, in line	wide base with molded poses and solder tab retainers, hybrid termination	
10031077	cress-fit, in-line footprint			with forklock/harpoon retainers	meet 6 Gb/s
10038064	Dress-fit staggered footprint			wide base, molded posts and forklock/harpoon retainers.	6 Gb/s capable ..Refer Note (2)
10045782	press-fit staggered footprint			full length, wide base with molded posts	6 Gb/s capable ..Refer Note (2)
10031567	SMT			with molded posts and SMT retainers	meet 6 Gb/s
10036355	SMT			with molded posts and SMT retainers (open SAS pin)	meet 6 Gb/s
10038334	SMT			17.85mm extended height with molded posts and SMT retainers	
10035845	SMT			wide base, molded posts and solder tab retainers	meet 6 Gb/s
10076579	SMT			wide base with molded posts and SMT retainers	meet 6 Gb/s
10077259	SMT			with molded posts and SMT retainers	meet 6 Gb/s

SAS Right-Angle Receptacle

Partnumber	Termination Type	Mounting Direction	Other Features	Remarks
10035202	SMT	Port 1 (SATA) away from PCB - Reverse	with forklock retainer	6 Gb/s capable, Refer Note (2)
10036587	SMT	Port 1 (SATA) toward PCB	with solder tab retainers	6 Gb/s capable, Refer Note (2)
10044002	SMT	Port 1 (SATA) toward PCB	with molded posts.	

SAS Vertical Plug

Partnumber	Termination Type	Other Features	Remarks
10031193	SMT	SMT retainers	6 Gb/s capable.. Ref note (2)
10041724	SMT	SMT retainers	6 Gb/s capable.. Ref note (2)
10045105	SMT	Rivet holes for PCB attachment	

SAS Right-Angle Plug

Partnumber	Termination Type	Other Features	Remarks
10034524	SMT	Port 1 (SATA) away from PCB, with forklocks retainers	6 Gb/s capable.. Ref note (2)
10082443	SMT	Straddle Mount type, with 4 jumper pins	meet 6 Gb/s

Notes:

- (1) Meet 6 Gb/s - Denotes product meet 6 Gb/s data speed, per SAS specification T10/17G0-D Rev 15
- (2) 6 Gb/s capable - Product are deem capable to meet to 6 Gb/s data speed depending on customer application and design optimization.
FCI Technical team avail abie for discussion on this.