

- [Connector Definitions](#)
- [SAS ?????? ??????DAS](#)
- [SFF-8087??](#)
- [SFF-8484??](#)
- [SFF-8485??](#)

Host Connector?Drive Connector??????Cable????Cable??????Connector????SATA????????????????????
 wide port????????????SATA????????SATA?eSATA????SAS????????SAS??wide port????????????????????
 ?SATA????????Cable????Connector????????SAS??SF????????????????????????????????Connector?Cable?
 ?????????????

1.Internal

- *SFF-8484?Internal Multilane Connector and Cable
- *SFF-8087?Internal Mni Multilane Connector and Cable

2.External

- *SFF-8470?External Multilane Connector and Cable
- *SFF-8088?External Mni Multilane Connector and Cable

3.Other

- *????????????????????????????????????????????????????????Highpoint??IEEE1394 ??SAS Physical layer???ware???"?????"?
 ???ware 9550SX-12????????InfiniBand 4X Connector?

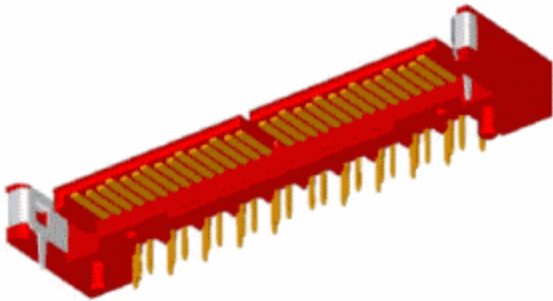
????Cable????????????????SAS????????(Physical Layer)????Connector????????????SAS Drive Connector?
 ??????

Device connector		
Pin	Signal	Notes
S1	GROUND	Primary phy
S2	RP+	
S3	RP-	
S4	GROUND	
S5	TP-	
S6	TP+	
S7	GROUND	
S8	GROUND	Secondary phy (no-connects on SAS single-phy drives, SATA drives, and narrow cables)
S9	RS+	
S10	RS-	
S11	GROUND	
S12	TS-	
S13	TS+	
S14	GROUND	

Host Connector

Host connector	
Pin	Signal
S1	GROUND
S2	TP+
S3	TP-
S4	GROUND
S5	RP-
S6	RP+
S7	GROUND

Host Connector(???backside?) Drive Connector Primary phy link(Secondary phy link narrow link wide port narrow link SAS wide port SATA wide port 4 narrow link Storage Internal Wide Connector



Pin	Signal
S1	Ix 0+
S2	Tx 0-
S3	Rx 0-
S4	Rx 0+
S5	Ix 1+
S6	Tx 1-
S7	Rx 1-
S8	Rx 1+
SB0	Sideband
SB1	Sideband
SB2	Sideband
SB3	Sideband
S9	Ix 2+
S10	Tx 2-
S11	Rx 2-
S12	Rx 2+
S13	Ix 3+
S14	Tx 3-
S15	Rx 3-
S16	Rx 3+

??????wide port?????4?narrow link?????SAS????SMP?????????wide port???Expander?????Storage?????????
 ???sideband????????????SGPIO????????????????????????????????????????????????????????????LED????????????????????backplane?????
 SGPIO????SAS Cable????SGPIO?????

??wide-port????????????????????cable????SCSITA?????????-SAS Integrators Guide????cable????????????????
 ??????????????

??SATA HBA????????????????SAS????????????RAID HBA?????Areca???IOP331??-ARC-1120?



??Cache Memory?DDR333 256MB?IOC?Marvell?????????SATA Port x8?????PCI-X?????????IOP331???Host Bus?
?PCI-X?????????????????????SATA port?????????????????????PCB?????????????????????SATA
Storage?????????????????SATA port?????????Areca??ARC-1120?????????????????????



??3ware???RAID HBA-3 ware 9550SX-8LP?StorSwitch???PPC405CR?G133 RAID Engine?????????????????SATA
port?????????????????????????????????????PCB?????????SATA port?????????????????????SATA port?????????????????????

?????????????3ware????RAID HBA??-3ware 9500S-8?



????RAID HBA?????????3ware?????????port?????StorSwitch?????????????????SATA port?????????????????????
 ?????????????????????????????????????????????????????????????????????????????????????????????????????????????????
 ?SAS?????Connector????SFF?????????????SAS?????Connector???Internal?????SFF-8484?External???SFF-8470??
 ?????????????????SFF-8087?SFF-8088???????