

- 26 Position Internal and 36 Position External Mini-SAS SMT Connectors
- Connector available with enhanced SMT Tabs for improved pcb retention
- Compliant Metal gasket on external cages provides excellent mechanical performance and EMI suppression

- Data rate applications to 6 Gbps, capable to 10 Gbps
- Mini-SAS ideal for Storage Systems market
- Compliant with SFF 8086, SFF 8087 and SFF 8088
- Connectors and Cages are RoHS 6/6 compliant



Mini-SAS External Receptacle Connectors		Catalog Part Number	Contact Plating Mating Area	Contact Plating Termination Area
	Connector, receptacle, Mini-SAS External, 26 Position, SMT, Tape & Reel	FS1-R26-2000	30 u" Gold over 50u" Nickel	Matte Tin (RoHS 6)
	Connector, receptacle, Mini-SAS External, 26 Position, SMT, Enhanced Solder Tabs, Tape & Reel	FS1-R26-2001		



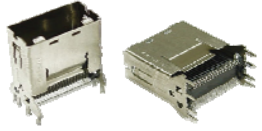
Mini-SAS Single Port External I/O Cages		Part Number 1 Degree	Part Number 0 Degree	Port Keying	Port Function
	Mini-SAS Cage, Single Port	FS1-S01-11E1	FS1-SF1-11E1	1	SATA "X" Cable
		FS1-S01-14E1	FS1-SF1-14E1	4	Universal Port
		FS1-S01-17E1	FS1-SF1-17E1	7	SATA "M" Cable
		FS1-S01-124E1	FS1-SF1-124E1	2, 4	SAS Out Port
		FS1-S01-146E1	FS1-SF1-146E1	4, 6	SAS In Port

Mini-SAS Dual Port External I/O Cages		Part Number 1 Degree	Part Number 0 Degree	Port Keying Left / Right	Port Function Left / Right
	Mini-SAS Cage, Dual Port	FS1-S02-11E1	FS1-SF2-11E1	1 / 1	SATA "X" Cable
		FS1-S02-14E1	FS1-SF2-14E1	4 / 4	Universal Port
		FS1-S02-17E1	FS1-SF2-17E1	7 / 7	SATA "M" Cable
		FS1-S02-1D22E1	FS1-SF2-1D22E1	2, 4 / 2, 4	SAS Out Port
		FS1-S02-1D66E1	FS1-SF2-1D66E1	4, 6 / 4, 6	SAS In Port
		FS1-S02-1D26E1	FS1-SF2-1D26E1	2, 4 / 4, 6	SAS Out Port / SAS In Port
		FS1-S02-1D62E1	FS1-SF2-1D62E1	4, 6 / 2, 4	SAS In Port / SAS Out Port

Mini-SAS Four Port External I/O Cages		Part Number 1 Degree	Part Number 0 Degree	Keying - Ports 1 2 3 4	Port Function 1 2 3 4
	Mini-SAS Cage, Four Port	FS1-S04-11E1	FS1-SF4-11E1	1 1 1 1	SATA "X" Cable
		FS1-S04-14E1	FS1-SF4-14E1	4 4 4 4	Universal Port
		FS1-S04-17E1	FS1-SF4-17E1	7 7 7 7	SATA "M" Cable
		FS1-S04-1D22E1	FS1-SF4-1D22E1	2,4 2,4 2,4 2,4	SAS Out Port
		FS1-S04-1D66E1	FS1-SF4-1D66E1	4,6 4,6 4,6 4,6	SAS In Port

Mini-SAS Internal Receptacle Connectors		Catalog Part Number	Contact Plating Mating Area	Contact Plating Termination Area
	Connector, Receptacle, Mini-SAS Internal, 36 Position, SMT, Tape & Reel	G40BR361BEU	15 u" Gold over 50u" Nickel	Matte Tin (RoHS 6)
		G40BR362BEU	30 u" Gold over 50u" Nickel	

Mini-SAS Internal Cages		Part Number 2.8 mm Cage Tail	Part Number 3.4 mm Cage Tail	Port Keying	Positions
	Cage, Internal Mini-SAS, 36 Position, 2.8 or 3.4 mm PCB Tails	G40SR36L1EU	G40SR36L2EU	Left Key	36
		G40SR36R1EU	G40SR36R2EU	Right Key	
		G40SR36U1EU	G40SR36U2EU	Universal Shell No Key Plug	
		G40SR36D1EU	G40SR36D2EU	Dual Key Shell Universal Plug	

Internal Mini-SAS Cage and Connector Combos		Part Number 2.8 mm Cage Tail	Part Number 3.4 mm Cage Tail	Port Keying	15 u" Gold	30 u" Gold
 <p>Cage and Connector Combo, Right Angle, SMT Connector, Pin Through Hole Solder Tail Cage, 36 Position</p>	G40MR36LX1AEU	G40MR36LX2AEU	Left Key	X = 1	X = 2	
	G40MR36RX1AEU	G40MR36RX2AEU	Right Key	X = 1	X = 2	
	G40MR36UX1AEU	G40MR36UX2AEU	Universal Shell No Key Plug	X = 1	X = 2	
	G40MR36DX1AEU	G40MR36DX2AEU	Dual Key Shell Universal Plug	X = 1	X = 2	
 <p>Cage and Connector Combo, Right Angle, SMT Connector, SMT Cage with Locating Pins, 36 Position</p>	G40MR36LX3AEU	---	Left Key	X = 1	X = 2	
	G40MR36RX3AEU	---	Right Key	X = 1	X = 2	
	G40MR36UX3AEU	---	Universal Shell No Key Plug	X = 1	X = 2	
	G40MR36DX3AEU	---	Dual Key Shell Universal Plug	X = 1	X = 2	
 <p>Cage and Connector Combo, Vertical, SMT Connector, Pin Through Hole Solder Tail Cage, 36 Position</p>	G40MV36LX1AEU	G40MV36LX2AEU	Left Key	X = 1	X = 2	
	G40MV36RX1AEU	G40MV36RX2AEU	Right Key	X = 1	X = 2	
	G40MV36UX1AEU	G40MV36UX2AEU	Universal Shell No Key Plug	X = 1	X = 2	
	G40MV36DX1AEU	G40MV36DX2AEU	Dual Key Shell Universal Plug	X = 1	X = 2	

Amphenol offers a full range Mini-SAS Interconnect System including External I/O and Internal Connectors, and Cable Assemblies.

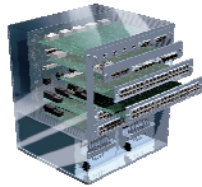
Also available are conversion cables from Mini-SAS to legacy SFF-8484 4x SAS interfaces and break-out cables to individual SATA or SAS drives.

Cable assemblies provide 100 ohm differential impedance with tight skew control and low cross talk. Multiple standard cable lengths are available, as well as customized lengths upon request.

Please consult authorized Amphenol representative or factory for more information.

**Applications:**

NETWORKING	SERVERS	STORAGE
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Internal Plug Cable Assemblies



External Plug Cable Assemblies



**Amphenol Commercial Products locations:**

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