Internal Mini-SAS, SATA



Connectors:

	SMT Receptacle	Solder tail	Shell	Combined
	(36 pos)	length (shell)		Assembly
	1888020-4	2.0 mm (,08 in)	1888413-4	1888174-2
Vertical	1888020-4	2.8 mm (.11 in)	1888413-6	1888174-4
	1888020-4	3.5 mm (.14 in)	1888413-8	1888174-6
	1761987-8	2.0 mm (.08 in)	1888021-4	1888019-2
Right Angle	1761987-8	2.8 mm (011 in)	1-1888021-2	1888019-6
	1761987-8	3.5 mm (.14 in)	1-1888021-6	1888019-8

Receptacles and shells can be ordered separately or as a combined assembly for single step processing.

External Mini-SAS, SATA



Connectors:

	1 Port	2 Port	3 Port	4 Port
Receptacle (26 position)	1761987-7	1761987-7	1761987-7	1761987-7
Shield (universal key #4) *	1888321-1	1888321-2	1888321-3	1888321-4

^{*} Other key and port configurations available, see Tyco Electronics' drawing 1888321.

Note: Part Numbers are RoHS Compliant.



2

External Mini SAS Cable Assemblies



Туре	P/N	Length	AWG	Equalization
	1928391-1	0.5 meter	28	Unequalized
_	1928391-2	1.0 meter	28	Unequalized
_	1928391-3	2.0 meters	28	Egualized
Mini SAS to Mini SAS	1928391-4	3.0 meters	28	Equalized
Standard keying	1928391-5	4.0 meters	28	Equalized
(2-4, 4-6)	1928391-6	5.0 meters	28	Equalized
_	1928391-7	6.0 meters	24	Equalized
_	1928391-8	4.0 meters	24	Equalized
_	1928391-9	5.0 meters	24	Equalized
	2053534-1	0.5 meter	28	Unequalized
_	2053534-2	1.0 meter	28	Unequalized
_	2053534-3	2.0 meters	28	Equalized
_	2053534-4	3.0 meters	28	Equalized
Mini SAS to Mini SAS	2053534-5	4.0 meters	28	Equalized
Universal Keying	2053534-6	5.0 meters	28	Equalized
(2-4-6,6-4-2)	2053534-7	6.0 meters	24	Equalized
_	2053534-8	4.0 meters	24	Equalized
_	2053534-9	5.0 meters	24	Equalized
_				
	1928392-1	0.5 meter	28	Unequalized
_	1928392-2	1.0 meter	28	Unequalized
Mini SAS to SAS 4X	1928392-3	2.0 meters	28	Unequalized
Universal Key	1928392-4	3.0 meters	28	Equalized
(2-4-6)	1928392-5	4.0 meters	28	Equalized
_	1928392-6	5.0 meters	28	Equalized
	1928392-7	6.0 meters	28	Equalized
Ōt	her keying options are a	vailable.		

Other keying options are available.



Cable Assembly Options:

- Custom cable lengths
- Right angle connector assemblies
- Various keying options
- Customized Equalization

*Please contact Tyco Electronics for specific requirements or additional information.



ELECTRICAL TESTING

EVERCLEAR External Cable Assembly Test Results Summary

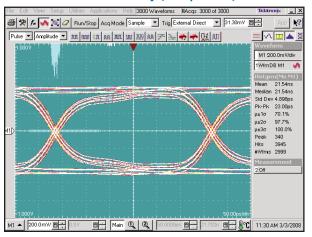
Cable AWG	Cable Length [M]	Imped 100+/-10 Min.		Intra-Pair Skew 50 PS Max	ISI 60 PS Max	Insertion Loss	Near-End Cross Talk
28	0.5	90.9	105.6	3.1	19	See Report	See Report
28	1	90.9	105.6	1.8	23	See Chart	See Chart
28	2	90.9	105.4	2.6	17	See Report	See Report
28	3	90.8	107.6	4.9	23	See Report	See Report
24	4	91.6	104.6	2.6	14	See Report	See Report
24	5	91.8	103.6	4.3	16	See Chart	See Chart
24	6	91.7	102.8	0.6	17	See Report	See Report

Test Report available from Tyco Electronics upon request.

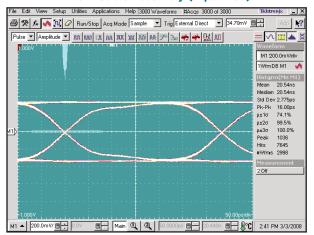


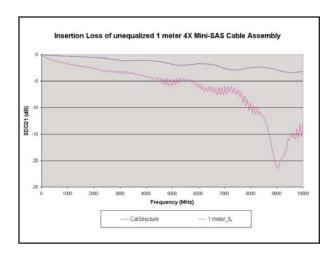
ISI Through Cable Assembly Measurements

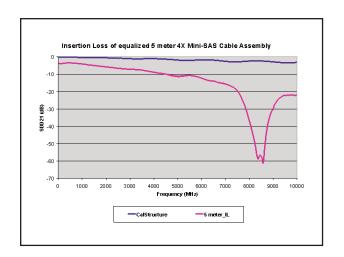
1m Cable Assembly (Unequalized)

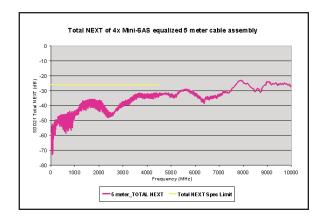


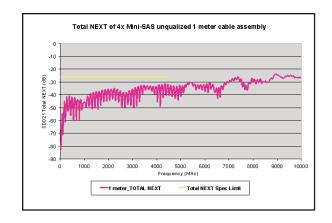
5m Cable Assembly (Equalized)











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- Ability to browse RoHS Compliant Products in our on-line catalog
- Downloadable Technical Data
 Customer Information Presentation
- More detailed information regarding the definitions used above
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