



P1	CIRCUIT DIAGRAM	P2
1	---Common Ground	--- 1
2	----- A+	----- 2
3	----- A-	----- 3
4	---Common Ground	--- 4
5	----- B-	----- 5
6	----- B+	----- 6
7	---Common Ground	--- 7

### Performance Specifications

Compliant with Serial ATA  
Generation 1.0/II Standard

### Material and Finish

Plug Housing: PBT thermoplastic,  
UL94V-0 rated, black color

Plug Cover:  
PC/ABS thermoplastic,  
UL 94V-0 rated, black color

Cable :  
4 Conductor (2-pair w/drains), 26awg

Jacket:  
No Lead PVC, Red Color  
9J AWM 21149 30V 80C VW1

Contact Material: phosphor bronze

Contact Plating Options:  
Standard: gold flash on contact area  
15 Option: 15u" gold on contact area

Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise

### Ordering Information

Item	Series	Type	Cable Length	Plug Type	Plating Option
P/N	KMC -	SATA -	xxxx	R -	15
Desc.	cable	Serial ATA	customer must specify length (mm)	1 right angle plug	blank = Au flash (standard) 15 = 15u" Au (-15 option)

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	5/12/04	New Drawing	H. MA	C. Leiva	H. MA	5/12/04

**KMC-SATA-xxxxR**

xxxx = cable length in mm

Serial ATA Cable, Straight to Right Angle Plugs

1.5-3.0 Gb/s applications

