

ACCELERATE®

SLIM, DIRECT ATTACH CABLE ASSEMBLIES

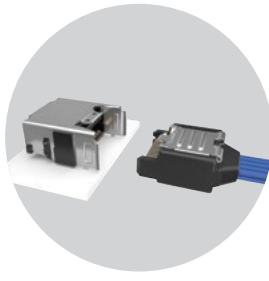
(0.635 mm) .025" PITCH



FEATURES & BENEFITS

NRZ	PAM4
28 Gbps	56 Gbps

- Slimmest cable assembly in the industry - 7.6 mm width
- High-density 2-row design
- 8, 16 and 24 differential pair configurations
- 34 AWG, 100 Ω Eye Speed® ultra low skew twinax cable
- Multiple wiring options including reverse polarity
- Mating board level socket (ARF6 Series) features standard rugged weld tabs for increased stability on the PCB
- Rugged metal latching and shielding
- Supports 56 Gbps PAM4 (28 Gbps NRZ) applications
- Utilizes Samtec's Flyover® Technology to simplify board layout and extend signal reach



Right-angle available.
Visit samtec.com/ARF6-RA
for specifications.



Two rows of high-density
contacts directly
soldered to the cable

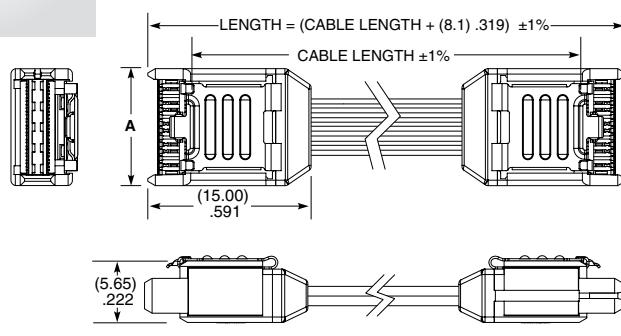
KEY SPECIFICATIONS

PITCH	CABLE	SIGNAL ROUTING	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE
(0.635 mm) .025"	34 AWG Eye Speed® ultra low skew twinax	100 Ω Differential	Black LCP	Copper Alloy	Au or Sn over 50 μ" (1.27 μm) Ni	-40 °C to +125 °C

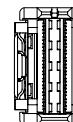
(0.635 mm) .025" • SLIM CABLE & SOCKET

ARC6	-	NO OF PAIRS	-	CABLE LENGTH	-	END 1	-	END 2	-	WIRING OPTION	-	CABLE TYPE
	-	-08	-	-"XX.X"	= Length in Inches 03.0" (76.2 mm) minimum	-	-LU	= Latch Up	-	-2	= Pin 1 to Pin 2 (End 2 -LD option only)	-1
	-	-16	-			-	-LU	= Latch Up	-	-3	= Pin 1 to Pin N-1 (End 2 -LU option only)	
	-	-24	-			-	-LD	= Latch Down	-	-2R	= Pin 1 to Pin 2 Reversed Polarity (End 2 -LD option only) 0.60" (152.4 mm) min. cable length	

ARC6
Board Mates:
ARF6



ARC6-08-XX.X-LU-LU-3-X SHOWN



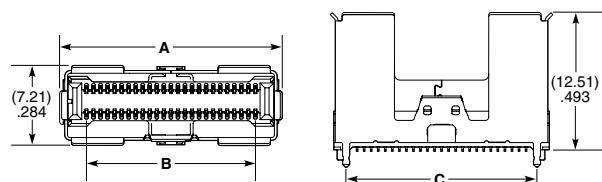
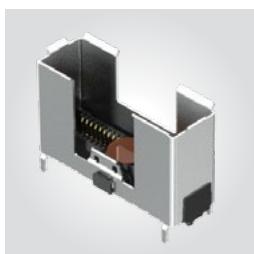
NO. OF PAIRS	A	N	N-1	
-08	(10.90)	.429	26	25
-16	(18.52)	.729	50	49
-24	(26.14)	1.029	74	73

Notes:
Cable lengths longer than
40.00" (1 meter) are not
supported with S.I. test data.

View complete specifications at: samtec.com?ARC6

ARF6	-	NO. OF PAIRS	-	PLATING	-	ROW	-	A	-	K	-	"X"R
	-	-08	-	-S	= 30 μ " (0.76 μ m) Gold on contact area, Matte Tin on tail	-	-D	= Double Row	-	-A	= Alignment Pin	-TR
	-	-16	-			-	-D	= Double Row	-	-K	= Polyimide film Pick & Place Pad	-FR
	-	-24	-			-	-A	= Alignment Pin	-			

ARF6
Cable Mates:
ARC6



ARF6-16-L-D-A SHOWN

Notes:
Tape & Reel packaging
and K-Dot are standard.

Some sizes, styles and
options are non-standard,
non-returnable.

View complete specifications at: samtec.com?ARF6

NO. OF PAIRS	A	B	C
-08	(12.46)	(7.62)	(9.59)
	.491	.300	.378
-16	(20.08)	(15.24)	(17.21)
	.791	.600	.678
-24	(27.70)	(22.86)	(24.83)
	1.091	.900	.978